2021

IndigoVision®
a Motorola Solutions Company

PRODUCT CATALOG

WORLD CLASS HARDWARE • OPEN ARCHITECTURE
RESILIENT RECORDING • MARKET LEADING MANAGEMENT SOFTWARE

Contents

Icon Introduction

Choosing the product that is right for you can be a complex task, especially when faced with such a large range of products and so many different features.

We have made this easier with our simple user-friendly icons Each icon represents a feature or benefit, so all you need to do is pick the icons you are interested in and look out for them in the datasheets.

Sensor

High Definition (HD)
Video standard including 720p (1280 x 720) and 1080p (1920 x 1080).

4 Megapixel (4MP)
High resolution (2560 x 1440) with 4:3 aspect ratio.

6 Megapixel (6MP)
High resolution (2880 x 2160) with 4:3 aspect ratio.

8 Megapixel (8MP)
High resolution (4000 x 3000) with 4:3 aspect ratio.

12 Megapixel (12MP)
High resolution (4000 x 3000) with 4:3 aspect ratio.

High Resolution (4K)
Higher quality than conventional HD or MP. 4000 x 3000 pixels provide more detailed footage.

Wide Dynamic Range (WDR)
Captures images in high-contrast lighting conditions.

Dual Wide Dynamic Range
Captures images in high-contrast lighting conditions by using two pixels for light and dark. Significantly better than standard WDR.

Day/Night
A mechanical infrared (IR) filter allows the camera to operate normally during the day and then switch to mono as it grows darker.

Low Light
Allows images and footage to be captured at night or in areas where light levels are between 0.5 and 0.01 lux.

Image Stablisation
A means of cancelling out any natural movement of a camera due to wind or vibration.

Compression

H.265
A motion-based video compression format.

H.264
A motion-based video compression format.

IndigoVision H.264
Optimised H.264 video codec meaning lower bandwidth and reduced storage.

JPEG2000
A still-image compression standard that allows images to be displayed in multiple resolutions.

MPEG-4
A motion-based video compression format.

MJPEG
Motion JPEG – a stills-based video compression format.

Guaranteed 25fps
25 frames per second (fps) is guaranteed at maximum resolution using IndigoVision's unique video processing technology.

Up to 60fps
The camera can stream at a rate of 60 frames per second (fps) at maximum resolution.

Up to 30fps
The camera can stream at a rate of 30 frames per second (fps) at maximum resolution.

Up to 25fps
The camera can stream at a rate of 25 frames per second (fps) at maximum resolution.

Up to 12fps
The camera can stream at a rate of 12 frames per second (fps) at maximum resolution.

Field Programmable Gate Array (FPGA)
Hardware processor used to encode video, ensures guaranteed frame rate.

Advanced Audio Coding (AAC)
An audio compression and encoding format. It delivers higher quality audio than traditional G.711 format.

G.711
An audio compression format commonly used in digital transmission systems. It samples at 8Khz and streams at 64kbps.

MP2
An audio compression format commonly used in audio broadcasting systems.

Intelligence

Activity Controlled Frame Rate (ACF)
Frame rate reduces when no motion is detected using basic analytics – up to 90% reduction in storage requirements.

Activity Controlled Frame Rate + (ACF+)
Reduces frame rate when no motion is detected using advanced analytics. Greater than 90% reduction in storage requirements.

Analytics
Advanced video analytics including: object detection, virtual tripwire, museum mode and object counter-flow.

Motion Detection
Basic video analytics covering simple motion.

CyberVigilant® Technology
Control Center-integrated network monitoring technology designed to monitor and detect network cybersecurity anomalies.

Other

Distributed Network Architecture (DNA)
Intelligence is at the edge of the system with no reliance on a central server; provides resilience and redundancy.

Power over Ethernet (PoE)
Devices draw power and data from a single Ethernet cable, simplifying installation.

Power over Ethernet (PoE+)
Devices draw power and data from a single Ethernet cable, simplifying installation.

Power over Ethernet (Hi-PoE+)
Devices draw power and data from a single Ethernet cable, simplifying installation.

Firewall
A security feature that regulates incoming and outgoing network traffic to guard against potentially malicious attacks on the system.

ONVIF
Open Network Video Interface Forum – An industry forum to maintain a communication standard for IP video devices.

BNC Connector
BNC, 75Ohm, Standard Definition video input(s).

Watermark
A means of digitally protecting video data from tampering.

Linux
A robust and reliable operating system designed for embedded appliances.

Windows
Windows operating system.

ATEX Certified
Certified to ATEX equipment directive (94/9/EC) for use in a potentially hazardous area or explosive atmosphere.

IECEx Certified
Certified to IECEx standards for use in a potentially hazardous area or explosive atmosphere.

INMETRO Certified
Certified to INMETRO standards for use in a potentially hazardous area or explosive atmosphere.

cLCus Certified
Certified to cLCus standards for use in a potentially hazardous area or explosive atmosphere.

Wearable Video
A standalone mobile camera that can be worn.

CentOS
A robust and reliable operating system designed for embedded appliances.

Physical

Outdoor
Outdoor cameras feature a protective casing to protect them from the elements.

IR
Integrated IR Illumination for improved low light operation.

Adaptive IR
Integrated Adaptive IR Illumination with optimum scene illumination for improved low light operation.

IK08
IK ratings measure the durability of protective casings through impact testing.

IK10
IK ratings measure the durability of protective casings through impact testing.
10 is the highest rating.

Low Temperature
Can function in temperatures as low as -50°C.

High Temperature
Can function in temperatures as high as 50°C.

In-Ceiling
In-ceiling cameras that can be mounted into false ceilings. This is less intrusive than conventional mountings.

Integral Microphone
A built -in microphone such that audio may be listened to or recorded.

Physical

1U Height
Product is rack mountable and when mounted will occupy 1U in height.

2U Height
Product is rack mountable and when mounted will occupy 2U in height.

19" Rack
Product is rack mountable in a standard 19" rack.

Redundant Power Supply
Product supports a redundant power supply that, when utilised, minimises the chance of a complete shutdown.

Redundant Network
Contains a redundant network connection so that vital network capabilities are always available when needed.

White Light Illumination
Camera's field of view is illuminated using standard white light.

180°
Hemispheric camera providing a 180-degree panoramic view (wall mount) for wide area of coverage and no blind spots.

360°
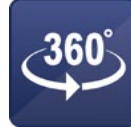Hemispheric camera providing a full 360-degree surround view (Ceiling/floor/table mount) or 180-degree panoramic view (wall mount) for wide area of coverage and no blind spots.

Mini Client Workstation
Efficient and ultra compact - designed to run small sites.

Hybrid NVR Workstation
Complete one-stop-shop powerhouse with built-in NVR capability.

Peak Performance Model
Complete powerhouse, lighting-fast processing perfect for large sites.

Redundant Fans
Contains redundant fans to maintain operating temperature even under a fault condition.

Zoom

30x Optical
Operators can optically zoom in to view part of an image, revealing more detail without any loss in resolution.

Storage

ADAPT
ADAPT is a data protection scheme that maximizes flexibility, provides built in spare capacity, allows for very fast rebuilds, large storage pools, and simplified expansion.

RAID6
A means of mounting multiple disks into a single storage volume.

RAID5
A means of mounting multiple disks into a single storage volume.

Dual RAID
A means of ensuring that RAID arrays remain intact, even if one of the RAID controllers fails.

SATA
A type of hard disk drive.

SAS
A type of hard disk drive.

Integrations

Alarm Integration into Control Center
Events and alarms from a third party system are forwarded into Control Center.

Alarm Integration into Third Party Systems
Events and alarms from Control Center are forwarded into a third party system.

Acknowledgement of Alarms from a Third Party System from within Control Center
One-click acknowledgement. An alarm is acknowledged in Control Center and the corresponding alarm is also automatically acknowledged in the third party system interface.

Acknowledgement of IndigoVision Alarms from within a Third Party System Interface
One-click acknowledgement. An alarm is acknowledged in a third party system interface and the corresponding alarm is also automatically acknowledged in Control Center.

Video Integration into Third Party Systems
Video streams (live and recorded video) from an IndigoVision system can be displayed embedded in the third party user interface.

Manually Control Actions within the Third Party System - Directly from Control Center
Specific actions in the third party system are directly controlled from within Control Center, such as triggering a gate release mechanism.

Integrate Data Streams from Third Party Systems into Control Center
Continuous streams of data such as detected license plates or POS transaction data can now be managed within Control Center. Filter and search through sets of data for an easy side by side review of relevant data entries and their associated video recordings.

Integration of Recorded Video into Third Party System
Recorded video from an IndigoVision system can be imported, processed and filtered in BriefCam user interface.

Integration of Recorded Video into Third Party System
Recorded video from an IndigoVision system can be imported, processed and filtered in BriefCam user interface.

MANAGE

Get the information you need at your fingertips to make fast, critical decisions.

At IndigoVision, we know that security teams who have complete visibility of their site, along with immediate access to video, alarms and data, are able to resolve incidents in seconds and have a much greater chance of enhancing safety and protecting their people, property and assets.

Our suite of Management Software and Hardware products are designed to help you more effectively manage your security systems with the highest level of operator control.

Control Center, our renowned Video Management Software (VMS), is a fully integrated user interface for managing your video, alarms and third party systems. Pull up footage from any of your cameras in seconds, give your team complete situational awareness of any incident, day or night, and easily integrate with third party applications. Loved by operators for being an intuitive system to learn and use, you can be confident that employees of any experience level will be able to deal comprehensively with critical incidents that occur.

Our range of Management Software products increase the intelligence of your investigations and support your operating procedures. Our Command & Control Software enables you to consistently guide the response of your operators and ensure data-driven decision making from improved Business Intelligence, while our IndigoReports platform provides advanced analytics to enhance investigations and provide protection against cyber attacks. Get the flexibility to set up a bespoke security solution with our Management Hardware products, from Integra®, our "security system in a box", to the monitors, workstations and accessories needed to configure your Control Room to meet modern security challenges.

Manage Index

Control Center v17.1 IndigoUltra®

Your security solution of choice.

Control Center IndigoUltra® merges your choice of products, allowing a custom-tailored integrated system design. Performing reliably on any scale IndigoUltra® allows for quickest response times and accurate incident management.

With IndigoVision's Distributed Network Architecture, IndigoUltra® supports an unlimited number of client workstation installs and NVRs connected to the system; supporting continuous system growth whatever the future might bring.

Control Center is IndigoVision's effective, scalable and robust security management solution. It has an intuitive interface that provides easy system setup and efficient administration, saving you both time and money. Relentless testing and quality control 365 days a year ensure strong foundations for a robust, trusted security management offering.

IndigoUltra® delivers:

- Unlimited Device Connections
- Unlimited Client Workstations
- Unlimited NVR Connections

Product Codes

Control Center	
IndigoVision Product CD/USB - Control Center Software	340003
IndigoUltra® Single Device Connection License	340000-U
IndigoPro® to IndigoUltra® - Upgrade Single Device Connection License	345000-PU
IndigoLite® to IndigoUltra® - Upgrade Single Device Connection License	345000-LU
IndigoUltra® - Migration - Single Device Connection License	341000-U
IndigoUltra® - Demo - Single Device Connection License	346003-U

Specification

General Specification

Number of Device Connections	Unlimited
Number of Client Workstations	Unlimited (200 simultaneous connections per Site Database Server)
Number of NVR-AS Connections	Unlimited
Live Video	100 video streams (25 per screen)
GUI Themes	Light Mode / Dark Mode
Dynamic Profile Switching	✓
PTZ Control	✓
ONVIF PTZ Priority	✓
Audio	Receive / Record / Transmit*
Video Resolutions	up to 20MP*
Video Compression Formats	MPEG-4* / H.265* / H.264* / MJPEG* / JPEG2000*
Audio Compression Formats	AAC* / G.711*
Snapshots	BMP / JPEG
Privacy Zones	✓
Sequences, Salvos and Guard Tours	✓
Pursuit Mode	✓
Connect to Video Wall†	✓
Playback	25 streams
Synchronised Playback	✓
Reverse Playback	✓
Thumbnail Overview	Time / Alarm / Bookmark / Motion* / Audio*
Incident Export	Incident Player / 3rd Party Player (.mp4)*
Storyboard Export	Export recordings from multiple cameras at different times, in any order.
Recording Schedules	✓
Failover / Redundancy and Automatic NVR Switching	✓
Watermarking	Digital watermarking on recording and export
Maps	Multi-layered maps (BMP / JPEG / PNG / DWG), Tile Server
Webpages	✓
Zones	Group multiple inputs into a single alarm
Event Inputs	Digital Input* / Analytics* / Network Loss* / Video Loss* / Motion Detection*
Third Party Inputs	Through IndigoVision Integration Modules or IndigoVision Binding Kit
Alarm Video	Live and looped replay / Pre-alarm video / Alarm Groups
Actions on Event	Record / Email / Snapshot* / Move to Preset / Relay Output* / Audio*
Alarm Schedules	✓
Alarm Reports	✓
Bookmarking	✓
Motion and Audio Search	✓
Connect to LPR powered by InnoWare†	Receive events/alarms, bookmarks and data records
Connect to BriefCam†	✓
Alarm and Bookmark Search	✓
Connect to CyberVigilant®†	✓
Support for CyberVigilant® in Camera	✓
Integrated Data	Manage millions of data records from LPR, EPOS and other integrations†
Alarm Escalation	✓
Alarm Procedure Documents	HTML / Text / URL
System Alerts	✓
Audit Log	✓
Mobile Client	View live video and play back alarm video from ONVIF cameras, control PTZ cameras and manage alarms in web browser, Android or iOS app
Architecture	DNA (Distributed Network Architecture)
User Groups	✓
Access Permissions	Object and function based permissions
User Authentication	Windows authentication / Basic password
PC Monitors	4
Keyboard Support	IndigoVision / Pelco / American Dynamics / Panasonic
Multiple Languages	10+ languages including; English, Chinese, French, German, Spanish
Matrix Numbering	1 - 9,999,999
Network Connection Types	TCP / UDP Unicast / UDP Multicast / HTTP / HTTPS^
Device Discovery	✓
Supported Cameras and Encoders	IndigoVision Ultra, BX and GX camera ranges, 9000 Range Encoders, FrontLine, Camera Gateway and 3rd Party Cameras**
Industry Open Standards	ONVIF Profile S
License Mechanism	Software License Key. Federated License Server supported.
Control Center Supported OS	Windows 10 ® 64-bit v1607 and later, Windows 8.1 ® 64-bit
Windows NVR-AS Supported OS	Windows Server 2019 ®, Windows Server 2016 ®, Windows Server 2012 R2 ®, Windows Server 2012 ®, Windows 10 ® 64-bit
License Server Supported OS	Windows Server 2019 ®, Windows Server 2016 ®, Windows Server 2012 R2 ®, Windows Server 2012 ®, Windows 10 ® 64-bit. The License Server is also available as part of the IndigoVision NVR-AS 4000 Linux appliances.
Site Database Server Supported OS	Windows Server 2019, Windows Server 2016, Windows Server 2012 R2, Windows 10 ® 64-bit v1607 and later, Windows 8.1 64-bit

* Features may vary based on capabilities of the camera or encoder model. Please refer to the relevant product datasheets for details. ** Please see our Control Center Supported 3rd Party Cameras list for full details.
† Purchase product to be connected separately. ^ HTTPS is only supported on new Control Center v16.1 or later installations.

Control Center v17.1 IndigoPro®

Your security solution of choice.

Control Center IndigoPro® merges your choice of products, allowing a custom-tailored system design of cameras, encoders and NVRs. Performing reliably, IndigoPro® allows for quick response times and accurate incident management.

With IndigoVision's Distributed Network Architecture, IndigoPro® supports an unlimited number of client workstation installs and NVRs connected to the system; supporting continuous system growth whatever the future might bring.

Control Center is IndigoVision's effective, scalable and robust security management solution. It has an intuitive interface that provides easy system setup and efficient administration, saving you both time and money. Relentless testing and quality control 365 days a year ensure strong foundations for a robust, trusted security management offering.

IndigoPro® delivers:

- Up to 80 Device Connections
- Unlimited Client Workstations
- Unlimited NVR Connections

Product Codes

Control Center	
IndigoVision Product CD/USB - Control Center Software	340003
IndigoPro® Single Device Connection License	340000-P
IndigoLite® to IndigoPro® - Upgrade Single Device Connection License	345000-LP
IndigoPro® - Migration - Single Device Connection License	341000-P
IndigoPro® - Demo - Single Device Connection License	346003-P

Specification

General Specification	
Maximum Number of Device Connections	80
Number of Client Workstations	Unlimited (200 simultaneous connections per Site Database Server)
Number of NVR-AS Connections	Unlimited
Live Video	80 video streams (25 per screen)
GUI Themes	Light Mode / Dark Mode
Dynamic Profile Switching	✓
PTZ Control	✓
Audio	Receive / Record / Transmit*
Video Resolutions	up to 20MP*
Video Compression Formats	MPEG-4* / H.265* / H.264* / MJPEG* / JPEG2000*
Audio Compression Formats	AAC* / G.711*
Snapshots	BMP / JPEG
Privacy Zones	✓
Sequences, Salvos and Guard Tours	✓
Pursuit Mode	✓
Playback	25 streams
Synchronised Playback	✓
Reverse Playback	✓
Thumbnail Overview	Time / Alarm / Bookmark / Motion* / Audio*
Incident Export	Incident Player / 3rd Party Player (.mp4)*
Storyboard Export	Export recordings from multiple cameras at different times, in any order.
Recording Schedules	✓
Watermarking	Digital watermarking on recording and export
Maps	Multi-layered maps (BMP / JPEG / PNG / DWG), Tile Server
Webpages	✓
Zones	Group multiple inputs into a single alarm
Event Inputs	Digital Input* / Analytics* / Network Loss / Video Loss* / Motion Detection*
Third Party Inputs	Through IndigoVision Integration Modules or IndigoVision Binding Kit
Alarm Video	Live and looped replay / Pre-alarm video / Alarm Groups
Actions on Event	Record / Email / Snapshot* / Move to Preset / Relay Output* / Audio*
Alarm Schedules	✓
Alarm Reports	✓
Bookmarking	✓
Motion and Audio Search	✓
Connect to LPR powered by InnoWare†	Receive events/alarms, and bookmarks
Alarm and Bookmark Search	✓
Support for CyberVigilant® in Camera	✓
Alarm Escalation	✓
Alarm Procedure Documents	HTML / Text / URL
System Alerts	✓
Audit Log	✓
Mobile Client	View live video and play back alarm video from ONVIF cameras, control PTZ cameras and manage alarms in web browser, Android or iOS app
Architecture	DNA (Distributed Network Architecture)
User Groups	✓
Access Permissions	Object and function based permissions
User Authentication	Windows authentication / Basic password
PC Monitors	4
Keyboard Support	IndigoVision / Pelco / American Dynamics / Panasonic
Multiple Languages	10+ languages including; English, Chinese, French, German, Spanish
Matrix Numbering	1 - 9,999,999
Network Connection Types	TCP / UDP Unicast / UDP Multicast / HTTP / HTTPS^
Device Discovery	✓
Supported Cameras and Encoders	IndigoVision Ultra, BX and GX camera ranges, 9000 Range Encoders, Camera Gateway and 3rd Party Cameras**
Industry Open Standards	ONVIF Profile S
License Mechanism	Software License Key. Federated License Server supported.
Control Center Supported OS	Windows 10 ® 64-bit v1607 and later, Windows 8.1 ® 64-bit
Windows NVR-AS Supported OS	Windows Server 2019 ®, Windows Server 2016 ®, Windows Server 2012 R2 ®, Windows Server 2012 ®, Windows 10 ® 64-bit
License Server Supported OS	Windows Server 2019 ®, Windows Server 2016 ®, Windows Server 2012 R2 ®, Windows Server 2012 ®, Windows 10 ® 64-bit. The License Server is also available as part of the IndigoVision NVR-AS 4000 Linux appliances.
Site Database Server Supported OS	Windows Server 2019, Windows Server 2016, Windows Server 2012 R2, Windows 10 ® 64-bit v1607 and later, Windows 8.1 64-bit

* Features may vary based on capabilities of the camera or encoder model. Please refer to the relevant product datasheets for details.
** Please see our Control Center Supported 3rd Party Cameras list for full details. ^ HTTPS is only supported on new Control Center v16.1 or later installations.

Control Center v17.1 IndigoLite®

Your security solution of choice.

Control Center IndigoLite® merges your choice of products, allowing a custom-tailored system design of cameras, encoders and NVRs. Performing reliably, IndigoLite® allows for quick response times and easy management of video recordings.

With IndigoVision's Distributed Network Architecture, IndigoLite® supports an unlimited number of client workstation installs and NVRs connected to the system; supporting continuous system growth whatever the future might bring.

Control Center is IndigoVision's effective, scalable and robust security management solution. It has an intuitive interface that provides easy system setup and efficient administration, saving you both time and money. Relentless testing and quality control 365 days a year ensure strong foundations for a robust, trusted security management offering.

IndigoLite® delivers:

- Up to 40 Device Connections
- Unlimited Client Workstations
- Unlimited NVR Connections

Product Codes

Control Center	
IndigoVision Product CD/USB - Control Center Software	340003
IndigoLite® Single Device Connection License	340000-L
IndigoLite® - Migration - Single Device Connection License	341000-L
IndigoLite® - Demo - Single Device Connection License	346003-L

Specification

General Specification	
Maximum Number of Device Connections	40
Number of Client Workstations	Unlimited (200 simultaneous connections per Site Database Server)
Number of NVR-AS Connections	Unlimited
Live Video	40 video streams (25 per screen)
GUI Themes	Light Mode / Dark Mode
Dynamic Profile Switching	✓
PTZ Control	✓
Audio	Receive / Record / Transmit*
Video Resolutions	up to 20MP*
Video Compression Formats	MPEG-4* / H.265* / H.264* / MJPEG* / JPEG2000*
Audio Compression Formats	AAC* / G.711*
Snapshots	BMP / JPEG
Privacy Zones	✓
Playback	25 streams
Synchronised Playback	✓
Reverse Playback	✓
Thumbnail Overview	Time / Alarm / Bookmark / Motion* / Audio*
Incident Export	Incident Player / 3rd Party Player (.mp4)*
Storyboard Export	Export recordings from multiple cameras at different times, in any order.
Recording Schedules	✓
Watermarking	Digital watermarking on recording and export
Zones	Group multiple inputs into a single alarm
Event Inputs	Digital Input* / Network Loss / Video Loss* / Motion Detection*
Alarm Video	Live and looped replay / Pre-alarm video / Alarm Groups
Actions on Event	Record / Email / Snapshot* / Move to Preset / Relay Output* / Audio*
Alarm Schedules	✓
Alarm Reports	✓
Bookmarking	✓
Motion and Audio Search	✓
Alarm and Bookmark Search	✓
Alarm Procedure Documents	HTML / Text / URL
System Alerts	✓
Audit Log	✓
Mobile Client	View live video and play back alarm video from ONVIF cameras, control PTZ cameras and manage alarms in web browser, Android or iOS app
Architecture	DNA (Distributed Network Architecture)
User Groups	✓
Access Permissions	Object and function based permissions
User Authentication	Basic password
PC Monitors	4
Keyboard Support	IndigoVision / Pelco / American Dynamics / Panasonic
Multiple Languages	10+ languages including; English, Chinese, French, German, Spanish
Matrix Numbering	1 - 9,999,999
Network Connection Types	TCP / UDP Unicast / UDP Multicast / HTTP / HTTPS^
Device Discovery	✓
Supported Cameras and Encoders	IndigoVision Ultra, BX and GX camera ranges, 9000 Range Encoders, Camera Gateway and 3rd Party Cameras**
Industry Open Standards	ONVIF Profile S
License Mechanism	Software License Key
Control Center Supported OS	Windows 10 ® 64-bit v1607 and later, Windows 8.1 ® 64-bit
Windows NVR-AS Supported OS	Windows Server 2019 ®, Windows Server 2016 ®, Windows Server 2012 R2 ®, Windows Server 2012 ®, Windows 10 ® 64-bit
License Server Supported OS	Windows Server 2019 ®, Windows Server 2016 ®, Windows Server 2012 R2 ®, Windows Server 2012 ®, Windows 10 ® 64-bit. The License Server is also available as part of the IndigoVision NVR-AS 4000 Linux appliances.
Site Database Server Supported OS	Windows Server 2019, Windows Server 2016, Windows Server 2012 R2, Windows 10 ® 64-bit v1607 and later, Windows 8.1 64-bit

* Features may vary based on capabilities of the camera or encoder model. Please refer to the relevant product datasheets for details.
** Please see our Control Center Supported 3rd Party Cameras list for full details. ^ HTTPS is only supported on new Control Center v16.1 or later installations.

IndigoVision
a Motorola Solutions Company

Control Center Mobile
Security management on the go

IndigoVision Control Center Mobile extends the surveillance capabilities of Control Center far beyond the control room to provide situational awareness on the move. Security personnel can monitor live video, control PTZ cameras and manage alarms from any location over mobile and wireless IP networks using a mobile phone, tablet or PC-based web browser. Control Center Mobile synchronizes to the Control Center site database so that it always reflects the current system configuration.

- Familiar touch and swipe gestures

- High quality real-time video

- Full PTZ control

- Receive, acknowledge and clear alarms from Control Center

- Play back recorded video from the time of an alarm

- Available for Apple iPhone, iPad and Android compatible smartphones and tablets

- PC-based web browsers also supported (Firefox and Google Chrome)

- Supports ONVIF cameras from IndigoVision or 3rd parties

- Cyber secure by design - all communication encrypted

Available on the App Store

ANDROID APP ON Google Play

Control Center Mobile Specification

IndigoVision Control Center Mobile is the application that runs on your mobile device. It is available for free download from Apple App Store and Google Play.

General Specification	Apple	Android
Mobile Devices	iPhone 5 or later, iPad 4 or later	Android smartphones and tablets
Mobile OS	iOS 10 or later	Android 6.0 or later
Supported Control Center versions	Control Center v17.0 and later	
Supported Cameras	IndigoVision Ultra range* BX Range, GX range Camera Gateway™ Video Stream Manager	
Supported Encoders	9000 Encoders running ONVIF firmware, BX Encoders, 3rd Party ONVIF Encoders	
Viewing Options	Single Pane, Multi-pane up to 2x2 layout	
PTZ Control	Pan, Tilt and Zoom using touch screen gestures Go to preset position	
Alarms	Receive, acknowledge and clear alarms from Control Center	
Alarm Video	Play back recorded video from 30 seconds before to 30 seconds after an alarm**	
Networks	Wi-Fi, 3G, 4G, IPv4, IPv6, Secure connection over HTTPS	
User Access	Supports full range of Control Center user access permissions	
Supported Live Video Codecs	H.264, H.263, MPEG-4, MJPEG	
Supported Alarm Video Codecs	H.264 (video) and AAC-LC (audio)	
Streaming Control	Where site database appropriately configured, Control Center Mobile will automatically use the lowest resolution configured for a given camera	

* Excludes IndigoVision Ultra 5K. Ultra 2K range must be running v6 or later ONVIF compatible firmware.
**Supported camera resolutions dependent on mobile client display resolution.

Control Center Web Specification

Control Center Web is the software that acts as a gateway between the Control Center System and your mobile device. Recommended hardware specifications for running Control Center Web are listed in the Control Center Performance Guide. Control Center Web OS: Windows Server 2012 R2, Windows Server 2016, Windows Server 2019, Windows 10.

Control Center Mobile Diagram

Remote Monitoring Site — Firewall — Internet — Firewall — Control Center Web — IP Cameras and Encoders — Control Center — Wireless Network — Wireless Network — IndigoVision Security Management System — Control Center Site Database

IndigoVision®
a Motorola Solutions Company
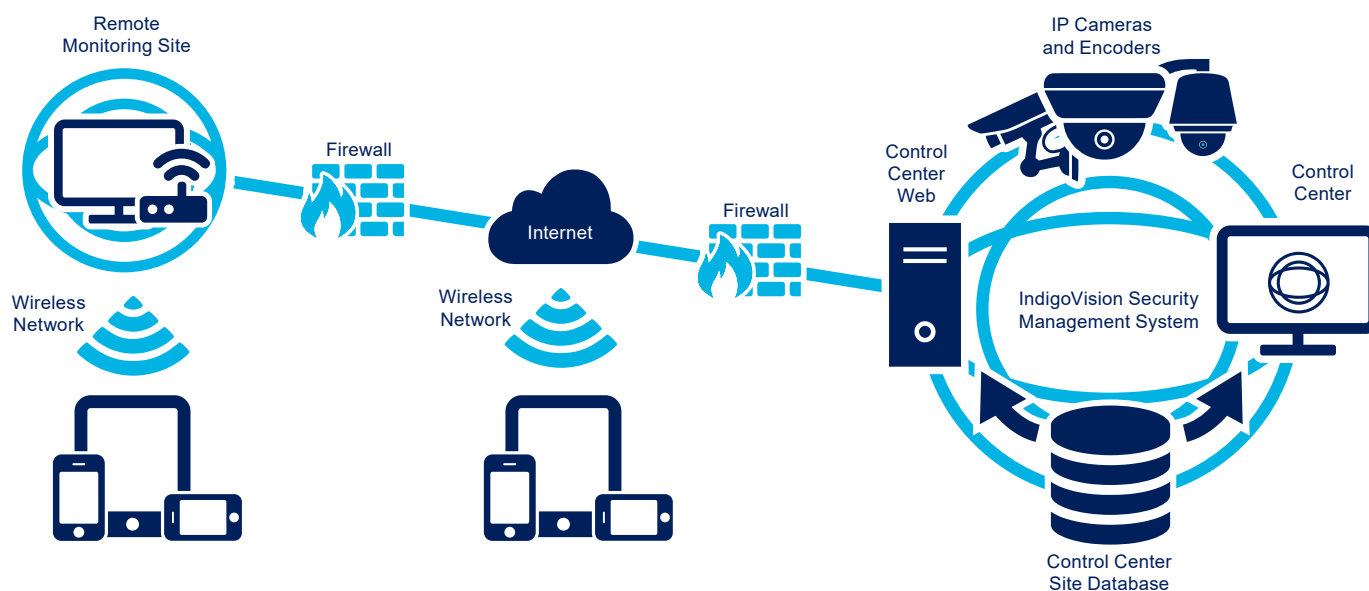
Agora
Ensuring your operators perform at their best every time

Agora from IndigoVision enhances the traditional end-to-end security solution by introducing a new layer of management capability and business intelligence that will guide operators in their response to security incidents. Agora ensures an accurate and prompt response to security incidents through the implementation of workflows and standard operating procedures that can be customised. The business intelligence provided through Agora's reporting functionality also enables security systems to be monitored for technical issues and the performance of security operators and service providers can be measured and audited.

Key Features

- Video Management
- Alarm Systems
- Building Management
- Access Control
- Voice-Over-IP Audio

Business Intelligence
Supervise your security systems and be notified of technical issues to ensure they remain fully operational.

Accurate first responses
Ensure your team perform consistently and effectively by implementing workflows and Standard Operating Procedures (SOPs).

Audit performance
Control budgets and achieve return on investment by auditing and measuring key performance indicators, such as the performance of security operators.

Cost-effective
As a web-based platform, Agora is easy to install and operate and as it is system-agnostic, it can be integrated with your existing platforms.

Product Codes

Agora	Product Codes
Agora Single Site Base License: 2 server licenses, 2 simultaneous users, from 1 to 5 sites	350001
Agora Multi-Site Base License: 2 server licenses, 2 simultaneous users, 6 or more sites	350002

See the IndigoVision Price List for a full list of Agora product codes.
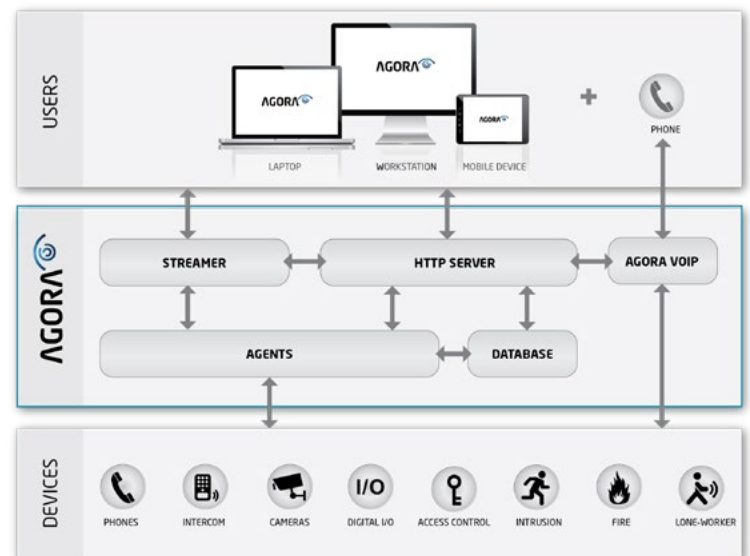
Technical Requirements

Agora Client Minimum requirements

Type of User	CPU / RAM	Workstation Monitors	Operating System	Browser	Other requirements
Control Room Operator	CPU: Intel® Core™ i7; RAM: 8 GB	2 monitors with 1280x1024 pixels	Microsoft Windows, Linux or Mac OSX	Google Chrome Latest Version or Mozilla Firefox Latest Version	Installation of HTTPS certificate, to be provided by the End-User.

If the Agora Jostick is used, a stand-alone Agora Joystick App needs to be installed as well (Microsoft Windows only). |
| **Control Room Supervisor** | CPU: Intel® Core™ i5; RAM: 4 GB | One monitor with 1280x1024 pixels | | | |
| **System Configurator** | CPU: Intel® Core™ i5; RAM: 4 GB | One monitor with 1280x1024 pixels | | | |

Agora Server Models

Description	Product Codes	CPU / RAM	Storage	Operating System
Mid-Range Server	980320	CPU: 1 x Intel® Xeon® 8-core RAM: 64 GB	2TB SATA HDD	Windows Server® 2019 Standard
High-End Server	980321	CPU: 2 x Intel® Xeon® 16-core RAM: 96 GB	2TB SATA HDD	Windows Server® 2019 Standard

Virtualization

Agora can be installed in a virtual machine. The virtual machine operating system can be Windows Server 2012 R2 Standard Edition (with Service Pack 1), Windows Server 2016 Standard Edition or Windows Server 2019 Standard Edition. **Note:** Agora VoIP is always supplied as a Linux virtual machine.

Firewall and Network Requirements

Product	Description	Source	Destination	Protocol / IP Port	Agora Versions
Agora Client / Server and Agora VoIP	HTTPS access to Agora Server	Agora Client	Agora Server	TCP/443	1.4-2.0
	RTMP	Agora Client	Agora Server	TCP/1935	1.4
	HTTP Streamer	Agora Client	Agora Server	TCP/9000	2.0
	Instance Manager	Agora Client	Agora Server	TCP/9050	2.0
	SMTP	Agora Server	SMTP Server	TCP/587, TCP/25	1.4-2.0
	Agora VoIP	Agora Server	Agora VoIP	VPN/LAN (no firewall preferred), TCP/5038	
	Agora VoIP	Agora VoIP	End-User PBX	VPN/LAN (no firewall preferred), UDP/5060	
	Agora VoIP	Agora VoIP	End-User PBX	VPN/LAN (no firewall preferred), RTP 10000-20000	
	Google Maps API	Agora Client	*.googleapis.com	TCP/80	1.4-2.0
	Agora Joystick	Agora Client	Agora Server	TCP/443	1.4-2.0
Agora Videowall	Decoder Control	Agora Server	Agora Decoder	TCP/443	2.0
	Decoder Streaming	Agora Decoder	RTSP Source	TCP/554	2.0
	RTSP Server	Agora Decoder	Agora Server	TCP/554	2.0
Agora Failover	Database Synchronization	Agora Server Primary	Agora Server Secondary	TCP/3306	1.4-2.0
	DFS Replication	Agora Server Primary	Agora Server Secondary	Active Directory services	1.4-2.0

NOTE: Each third-party integration will have specific firewall and network requirements not included in the table above.

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Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

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Agora Servers
Bringing control and reliability to your security system

Agora is a high-performance rack-mount server that comes with Agora Command & Control pre-installed. The server is designed to protect your valuable security management information, while tolerating the failure of one of the hard drives without data loss. Windows Server 2019 operating system and Agora software are both installed on a SSD drive for improved resilience to disk faults. With powerful Intel Xeon CPUs, the Agora Server is well-suited for high-workload incident management requiring transcoding of multiple high-quality video streams from different sources to serve multiple simultaneous browser clients in the context of a busy Command Center. The server comes with Next Business Day service level, plus the Keep Your Hard Drive service that allows end-users to keep failed hard drives, so that any sensitive data stored inside will be kept under your control.

Key Features

- Agora Command & Control pre-installed
- Two redundant power supply units
- Two SATA drives for RAID-1 data storage
- Powerful Intel Xeon CPUs
- Next Business Day service
- Keep Your Hard Drive service

Product Codes

Agora	Product Codes
Agora Mid-Range Server	980320
Agora High-End Server	980321

Specifications

	Mid-Range Server	High-End Server
Hardware and Operating System		
CPU	1 x Intel Xeon E-2288G 3.7GHz, 8 Cores / 16 Threads	2 x Intel Xeon Gold 5218 2.3GHz, 16 Cores / 32 Threads
RAM	4 x 16GB DDR4 ECC UDIMM, 2666MT/s	6 x 16GB RDIMM, 2666MT/s, Dual Rank
Operating System Drive	1 x 240GB SSD SATA	
Agora Data Storage	2 x 1TB 7.2K RPM SATA Drives managed by a PERC H330 RAID Controller	
Operating System	1 x Embedded Windows Server 2019 Standard	
Server Management	iDrac9	
Mechanical		
Form Factor	1U Rackmount Server	
Chassis	3.5" Chassis with up to 4 Hot Plug Hard Drives	
Rackmount Rails	1 x ReadyRails Sliding Rails Without Cable Management Arm	
Dimensions	Height: 42.8 mm (1.68") Width*: 434 mm (17.08") Depth*: 595.6 mm (23.45")	Height: 42.8 mm (1.68") Width*: 434 mm (17.08") Depth*: 714.6 mm (28.13")
Weight	13.6 kg (29.98lbs.)	17.6 kg (38.9lbs.)

* Dimensions do not include bezel

Electrical / Enviromental		
Power	100-240V AC. Dual Hot Plug Redundant Power Supply (1+1), 550W. Push button power switch at front.	
Power Cord	2 x C13 to C14, PDU Style, 10 AMP, 6.5 Feet (2m), Power Cord	
Operating Temperature	10°C to 35°C	
Operating Humidity	10% to 80% (non-condensing)	
Regulatory	EN 60950-1, IEC 60950-1, EN 62311, EN 55022, CISPR 22, EN 61000-3-2, EN 55024, IEC 61000-3-2 (Class D), EN 61000-3-3, IEC 61000-3-3, CISPR 24	
Interfaces		
Video output	1x VGA at rear	
Serial Port	1x RS-232 at rear	
Network interfaces	1x Broadcom BCM5720 NIC providing 2x 1Gb Ethernet (RJ45)	
USB ports	2x USB 3.0 at rear, 1x USB 2.0 at front, 1x internal USB 3.0	
Service		
Basic Next Business Day	15 Months	
ProSupport Plus and Next Business Day Onsite Service Initial	15 Months	
ProSupport Plus and Next Business Day Onsite Service Extension	24 Months	
Keep Your Hard Drive	39 Months	

Agora Decoder

High-performance video decoding appliance for low-latency video streaming

Agora Decoder is the building block for Agora-driven video-wall systems. The Agora Decoder has two video outputs, each offering configurable mosaic layouts from full-screen to 4x4 channels. Agora operators can select their desired video content and configure camera sequences. Agora Decoders can also be configured in video-alarm mode, so that the cameras linked to the latest incidents are automatically displayed in selected channels.

Key Features

- Two video outputs to drive video-wall content to two monitors

- Configurable mosaic layouts from full-screen to 4x4

- Low-latency video streaming directly from ONVIF/RSTP sources to avoid video transcoding in Agora Server

- Configuration modes: manual content, camera sequences and video-alarms (automated camera content triggered by incidents)

- Resilient high-performant appliance based in embedded Linux that boots from an internal USB drive and runs in RAM memory

Product Codes

Agora	Product Codes
Agora Decoder	980110

Specifications

Hardware and Operating System

CPU	Intel (R) Core (TM) i5-9500 3.0GHz to 4.4GHz, 6 Cores / 6 Threads
RAM	16GB DDR4, 2666MHz
Operating System Drive	USB Pen Drive (internally connected)
Operating System	Linux Embedded
Pre-installed Software	Agora Decoder for two video outputs
Video Layouts (per video output)	Full Screen, 2x2, 1+5, 3x3, 1+12, 4x4
Maximum Video Channels (per video output)	16 channels in 1920x1080 @ 30 FPS (4x4 mode)
Video Codec	H.264

Mechanical

Form Factor	Micro
Dimensions	Height: 182 mm (7.2”); Width: 36 mm (1.4”); Depth: 178 mm (7.0”)
Weight	1.18 kg (2.6lbs.)

Electrical / Enviromental

Power	100-240V AC. External, 130W. Push button power switch at front.
Power Cord	Power Cord with 130W AC Adapter
Operating Temperature	10°C to 35°C
Operating Humidity	20% to 80% (non-condensing)
Regulatory	Environmental Standards (eco-labels): ENERGY STAR, EPEAT Registered9, TCO Certified, CEL, WEEE, Japan Energy Law, South Korea E-standby, South Korea Eco-label, EU RoHS,China RoHS14

Interfaces

Video output	• 1 x HDMI 2.0b (rear), maximum resolution: 1980x1080 @ 60hz
	• 2 x DisplayPorts 1.2 (rear), maximum resolution: 1980x1080 @ 60hz
	• Agora Decoder allows two video outputs:
	    Output 1: HDMI or DisplayPort
	    Output 2: DisplayPort

Serial Port	1 x Serial + PS/2 (rear)
Network interfaces	1 x Intel i219-LM Gigabit Ethernet LAN 10/100/1000 (RJ45)
USB ports	• 1 x USB 3.1 Gen 2 Type-C port with PowerShare (front) • 1 x USB 3.1 Gen 1 port with PowerShare (front) • 2 x USB 3.1 Gen 1 ports (one supports Smart Power On) (rear) • 2 x USB 3.1 Gen 2 ports (rear)

Service

Basic Onsite Service Channel	39 Months
ProSupport Plus Accidental Damage Protection Commencing on Invoice Date Channel	39 Months
ProSupport Plus and Next Business Day Onsite Service Upgrade Channel	39 Months

Agora Joystick
Specifically designed for critical security installations

The Agora Joystick provides advanced features such as a 3-axis Hall effect joystick, jog/shuttle dial, 27 user-defined pushbuttons and USB 2.0 interface for powerful control of video systems. The Agora Joystick is designed for resilience in demanding operational scenarios such as industry, utilities, banks, critical infrastructures, retail, logistics, transportation and education.

Key Features

- **Professional USB multifunction controller**
- **Non-contacting Hall effect technology**
- **Proportional three axis for PTZ control**
- **27 tactile push buttons**
- **USB 2.0 HID compliant**
- **Jog / shuttle dial**

Product Codes

Agora	Product Code
Agora Joystick	110070

Specifications

Mechanical

Dimensions	Height: 110.74 mm (4.36") Width: 228.35 mm (8.99") Depth: 279.40 mm (11.0")
Weight	1.13 kg (2.9lbs.)
Operating Force	2.8 N (0.63 lbf)
Maximum Vertical Load	200 N (45 lbf)
Maximum Horizontal Load	200 N (45 lbf)
Joystick Mechanical Angle of Movement	36° X & Y axis, 80° Z axis
Jog/shuttle performance spring loaded ring travel	±40°
Knob rotation	360°
Expected Mechanical Life	3 million lifecycles
Lever Action (centering)	Spring

Materials

Body	ABS
Shaft	Stainless steel
Boot	Silicone
Handle	Glass filled nylon

Electrical / Enviromental

Operating Temperature	25 °C to +85 °C (-13 °F to +185 °F)
Storage Temperature	-25 °C to +85 °C (-13 °F to +185 °F)
Operating Humidity	20% to 80% (non-condensing)
Sealing	None
Regulatory	EMC Immunity Level: CE compliant, EMC directive 2004/108/EC, FCC Part 15 Subpart B

IndigoReports
for Control Center
Enhancing security through faster insights
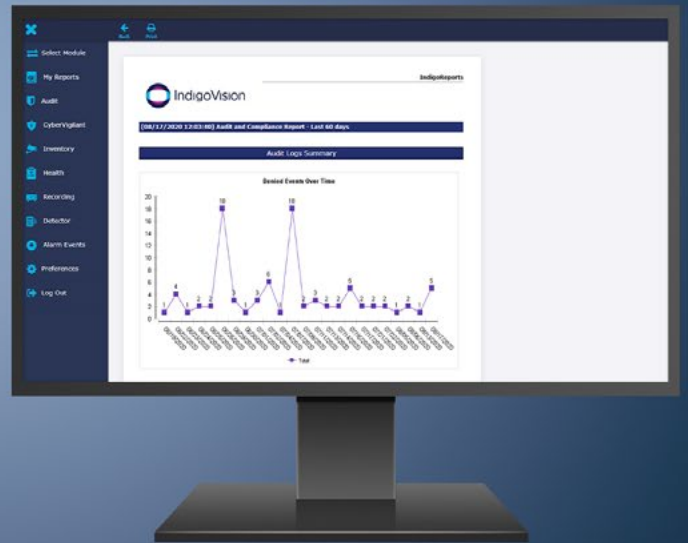
IndigoReports helps organizations identify security risks, comply with data protection regulations, and ensure the health and uptime of their Control Center systems.

Key Features

Audit Reports
- Turn audit logs into actionable intelligence to identify insider threats or misuse of security systems.
- Protect sensitive data by highlighting unauthorized activity and maintaining compliance with regulatory requirements.

Health Reports
- Ensure system-wide monitoring coverage by reporting on devices which aren't monitored by device fault detectors.
- Keep device firmware up-to-date to improve security and performance.
- Maintain time synchronization.
- Gain system-wide visibility of camera and recording status.

CyberVigilant Reports
- Indicators of Compromise (IoC) Dashboard quickly identifies activity which may be related to potential compromise or breach.
- Correlate CyberVigilant data with audit logs to defend against cyber attacks.

Incident Reporting
- Quickly document security incidents in detail.
- Associate Control Center users, cameras, alarm events, and audit log records with incident reports.
- Attach media including documents, audio, video, and more.

Product Codes

IndigoReports	Product Codes
IndigoReports VMS Reporting module	340010
IndigoReports VMS Reporting module AND Incident Reporting module	340011

Regardless of size, a Control Center system comprised of a single site database only requires a single IndigoReports license.

IndigoReports is designed for use with Control Center v14.0 and later.

	ACTION	
Audit Reports	ACTION	Protect data, spot insider threats
CyberVigilant Reports	ACTION	Defend against cyber attacks
Health Reports	ACTION	Achieve maximum uptime
Inventory Report	ACTION	Maintain global system visibility
Security Incident Reports	ACTION	Eliminate paper incident reports

DATA INSIGHTS IndigoReports

CYBERVIGILANT
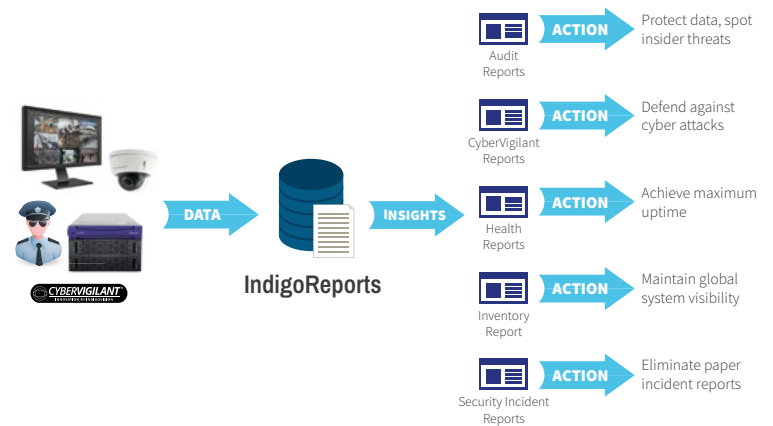
VMS Reporting and Incident Reporting features

	VMS Reporting Module (340010)	VMS + Incident Reporting Module (340011)
Reports		
Audit	✓	✓
Health	✓	✓
Inventory	✓	✓
Detectors	✓	✓
Recent Alarms	✓	✓
Recording Status	✓	✓
CyberVigilant	✓	✓
Incidents		✓
Features		
Control Center integration	✓	✓
Canned reports (preconfigured)	✓	✓
Saved Reports (customized)	✓	✓
Search filters	✓	✓
E-mail (on-demand or scheduled)	✓	✓
Save As PDF, Word, PowerPoint, or Excel	✓	✓
Save as HTML		✓
Customizable Headers and Watermarks	✓	✓
Media file attachments		✓
Spell check		✓

System Requirements	
Processor	64-bit Intel processors
Memory	16GB RAM minimum
Storage	300GB (or more when Incident Reporting is used with media attachments) Hardware RAID controller recommended but not required
Supported Hardware	IndigoReports is recommended to be installed on a dedicated server or virtual machine (VM) which meet these requirements. It is possible to install IndigoReports on Windows-based NVR-AS4000 appliances which meet the requirements, but recording performance may be affected.
Supported Operating Systems	Windows 10 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016, Windows Server 2019
Supported Control Center Versions	IndigoVision Control Center v14.0 or later required (English)
Supported Web Browsers (for clients)	Latest versions of Microsoft Internet Explorer, Google Chrome, Mozilla Firefox, and Apple Safari
CyberVigilant Requirements	The CyberVigilant report contains some elements designed specifically for CyberVigilant appliances, while some are designed specifically for cameras with CyberVigilant. The IoC dashboard requires at least one CyberVigilant appliance AND one camera with CyberVigilant. CyberVigilant Events by Camera require at least one camera with CyberVigilant.
Camera Requirements	All cameras supported by Control Center will be included in reporting, but the following report elements are designed for ONVIF Profile S conformant cameras and cannot support legacy cameras: • Inventory: Firmware Versions by Model • Health: Cameras with NTP Server Configured • Some report features
E-mail Requirements	An SMTP server is required for on-demand and scheduled report e-mails.
Network Connectivity	The server where IndigoReports is installed must have network connectivity to the Control Center site database and all devices (cameras, NVRs, Alarm Servers) in the Control Center system

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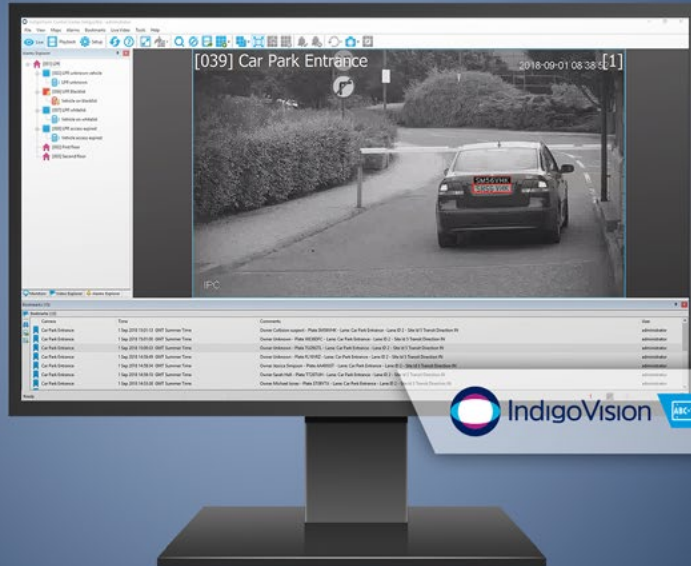
IndigoVision's LPR powered by InnoWare

Detect. Deter. Disrupt.

Integrated into IndigoVision Control Center, IndigoVision's LPR powered by InnoWare takes your system beyond traditional License Plate Recognition. Suitable for either parking-lot applications or free-flowing traffic, IndigoVision's LPR reads plates with a high level of accuracy and is supported in most countries. Plate reads are indexed to recorded video from your IP cameras, allowing operators to search for full or partial license plates and instantly retrieve the associated recorded footage.

Bounding boxes and text overlaid on the video highlight the location of the license plate and show the plate that has been automatically read. An optional web interface is also available which can be displayed in Control Center's browser window, allowing users to search results, edit the blacklist and whitelist, view snapshots and thumbnail images of license plates, and locate cameras on maps.

Key Features

Product Codes

LPR Software	Product Codes
Innovis LPR Single Lane Base License (Per Lane)	317430
InnoWeb LPR Management Suite	317432
InnoWeb LPR Management Per-Lane License	317433

Analytics

Specifications

General Specification	
IndigoVision System Software Requirements	Control Center v15.1 or later with IndigoUltra® or IndigoPro® license
Event and Alarm Integration Capability	Unidirectional flow of events and alarms from the LPR system into Control Center: Vehicle in blacklist, vehicle in whitelist, unknown vehicle, whitelist expired for vehicle Bookmarks automatically generated in Control Center. Integrated Data Records optionally generated in Control Center.*
Supported Camera Frame Rates	5 fps – 25 fps depending on application (stop / go or free flowing traffic)
Supported Resolutions	Size of a single Region of Interest must not exceed 4 Megapixel
Maximum Vehicle Speed	200km/h^
Database Support	Microsoft SQL Server 2015 or later (not required for single-site installations)

PC Specifications	
CPU	CPU Benchmark performance score of 2500 points per lane
RAM	1 GB per lane
Minimum HDD Space	500 GB
Supported Operating Systems	Windows Server 2016®, Windows Server 2012 R2®, Windows Server 2012®, Windows Server 2008 R2®, Windows 10® 64-bit, Windows 8.1® 64-bit

* Integrated Data Records requires IndigoUltra® license. ^ Dependent on camera capabilities.

Supported Countries

Albania	Indonesia	Portugal
Algeria	Ireland	Romania
Australia	Italy	Serbia
Austria	Latvia	Singapore
Belgium	Luxembourg	Slovakia
Bosnia	Macedonia	Slovenia
Bulgaria	Malaysia	Spain
Cambodia	Montenegro	Sweden
Croatia	Netherlands	Switzerland
Czech Republic	New Zealand	South Africa
France	Norway	Ukraine
Germany	Philippines	United Kingdom
Hungary	Poland	USA

Software Upgrade Plan (SUP)

First year of SUP is included at no additional charge.

Annual Maintenance	Product Codes
SUP for Innovis LPR Single Lane Base License Per Lane (12 months)	417430
SUP for InnoWeb LPR Management Suite (12 months)	417432
SUP for InnoWeb LPR Management Per Lane (12 months)	417433
SUP for Innovis Lite LPR Single Lane License (12 months)	417434
Annual Maintenance Renewal	**Product Codes**
SUP Renewal for Innovis LPR Single Lane Base License Per Lane (12 months)	417430R
SUP Renewal for InnoWeb LPR Management Suite (12 months)	417432R
SUP Renewal for InnoWeb LPR Management Per Lane (12 months)	417433R

CyberVigilant®

Intelligent Intrusion Detection Made Easy.

Part of IndigoVision's management hardware offering, CyberVigilant® protects your Control Center environment by detecting threats as they occur. Alarms are sent directly into Control Center enabling operators to respond immediately to a cyber-attack.

CyberVigilant® connects to your managed edge network switch to monitor connected cameras, encoders and NVRs using Switched Port Analyzer (SPAN) functionality, sometimes called port mirroring or port monitoring. Support for tagged VLANs is included, and CyberVigilant® can also log alarms using Syslog, allowing integration with Security Information and Event Management (SIEM) systems.

Key Features

Product Codes

CyberVigilant®	Product Code
CyberVigilant® 16 Channel	980710
CyberVigilant® 24 Channel	980720

INTELLIGENCE

OTHER

PHYSICAL

INTEGRATIONS

CYBERVIGILANT®
INNOVATION BY INDIGOVISION

Dimensions

View on Front Face

View on Back Face

View on Left Face

190.5mm / 7.50in
View on Top Face

107mm / 4.21in
View on Right Face

View on Bottom Face
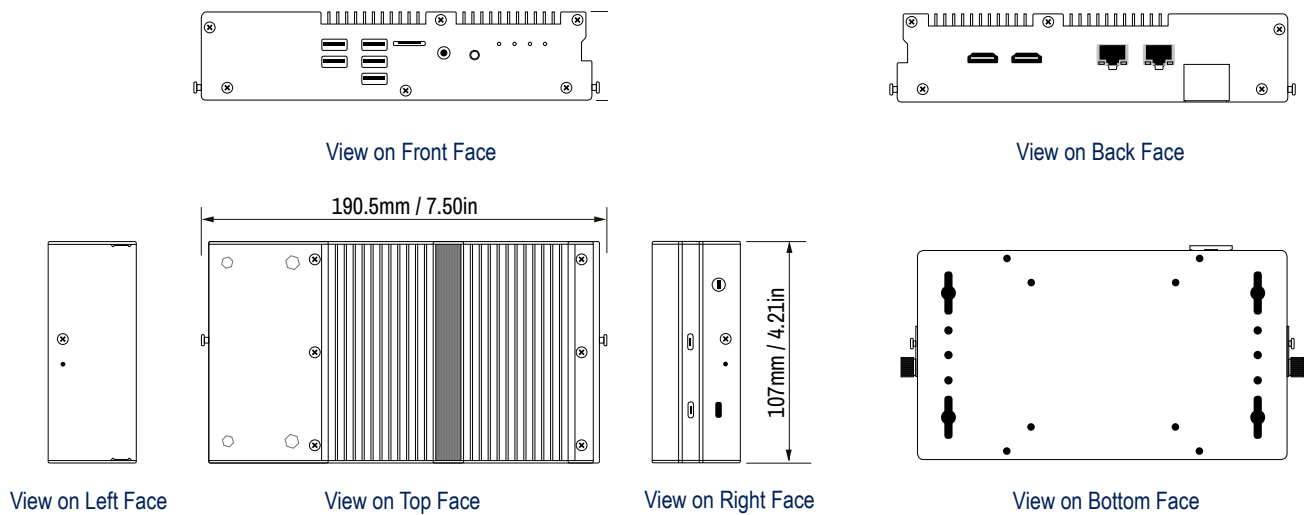
Specifications

General Specifications	16 Channel	24 Channel
Performance (Ports Monitored)	16 independent	24 independent
Performance (Switch Uplink Throughput)	10Gbps egress, 30Mbps ingress	40Gbps egress, 45Mbps ingress
Alarms	Alarm management directly within Control Center	
Operating System	Embedded Linux	
Processor	Intel® Celeron® N3060 1.6-2.48Ghz 2MB Cache	
Memory	1GB DDR3L 1600MHz	2GB DDR3L 1600MHz
O/S Hard Disk	60GB mSATA	
USB	4 x USB 3.0 (Front); 1 x USB 2.0 (Front); for configuration only	
Network Interface	Dual Port 100/1000 BaseT RJ-45 Connections (management port and monitoring port)	
Network Security	SSH, HTTPS, Embedded Linux Firewall	
VLAN support	Optional filtering by 802.1Q tagged VLAN ID	
Remote Logging	Syslog UDP/514	
Network Switch Requirements	Switched Port Analyzer (SPAN), port mirroring or port monitoring configured to monitor ingress traffic only	
Video Interface	HDMI (v1.4b) for configuration only	
Dimensions/Weight	107mm (d) x 190.5mm (w) x 48.3mm (h) and 1.4kg / 4.21in (d) x 7.5in (w) x 1.90in (h) and 3.09lbs	
Electrical	Internal 50W PSU, 100-240VAC, 50/60 Hz, Auto Switching	
Regulatory	CE, FCC, TUV	
Housing	Fanless aluminium extrusion with aluminium front / rear cover with Kensington Lock security	
Operating Temperature	0°C to 35°C (32°F to 95°F)	
Supplied Accessories	VESA/Wall Mountable Bracket, mains power cord	
IndigoVision Software Requirements	Control Center v15.2 or later	
IndigoVision License Requirements	Control Center License with CyberVigilant® feature	

IndigoVision's CyberVigilant® Threat Detection and Supported Actions

Examples of Threat Detection
Unauthorized configuration access attempts
Network reconnaissance
Device access from unauthorised clients
Shell access
Use of unauthorised DNS, NTP and SMTP servers
Denial Of Service (DOS) attacks

Examples of Supported Actions
PTZ Camera moves to Preset
Video from one or more cameras displayed on operator's PC
Notification email sent
Recording of any camera started
CCTV site map pops up with event source highlighted
Two way audio connection established so operator can listen and talk to the source of the event
Relay triggered action initiated e.g. door opens or lights turn on

Accessories

Accessories	Product Code
19" Rackmount Kit	110801

Note: IndigoVision reserves the right to change specifications at any time.

ID: IV-CYB-VIG 19.1 MAR 19

Integra® Software

Control Center Performance. Intelligently Delivered.

IndigoVision Integra® packs a lot of power into a small package. Coming with Control Center, NVR-AS, License Server, NTP client/server, VPN and Control Center Web/Mobile Server pre-installed, Integra® is a fully-featured, self-contained security management solution with an intuitive and familiar interface.

Integra® (8, 16, 24) are pre-licensed with device licenses to match the number of PoE/PoE+ ports. No additional licenses are required to View or Record 8, 16 or 24 video channels on each Integra®. There is no mandatory Software Upgrade Plan (SUP) for Integra®. An "Integra® Software Upgrade (per device connection)" fee applies for customers wishing to upgrade to the next major software release.

Integra® can be used as a standalone device or connected together in a centrally managed system. An Integra® View Workstation is required to view more than one Integra®.
As a fully-featured security management solution in its own right, Integra® is independent of IndigoLite®, IndigoPro® and IndigoUltra® systems. To add more cameras to an Integra® system, additional Integra® 8, 16 or 24 hardware is required.
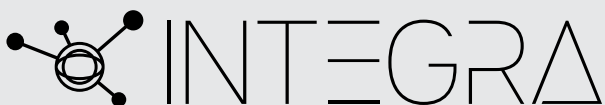
Specifications

General Specifications	
Number of Device Connections Included	8 / 16 / 24 to match number of PoE/PoE+ ports on the Integra®
Number of Client Workstations	Integra® combines a fully functional Control Center workstation with a PoE+ switch. An unlimited number of additional workstations can be connected if required.
GUI Themes	Light Mode / Dark Mode^
Dynamic Profile Switching	✓
PTZ Control	✓
Audio	Receive / Record / Transmit*
Video Compression Formats	MPEG-4* / H.265*^ / H.264* / MJPEG*
Audio Compression Formats	AAC* / G.711*
Snapshots	BMP / JPEG
Privacy Zones	✓
Sequences, Salvos and Guard Tours	✓
Pursuit Mode	✓
Synchronised Playback	✓
Reverse Playback	✓
Thumbnail Overview	Time / Alarm / Bookmark / Motion* / Audio*
Incident Export	Incident Player / 3rd Party Player (.mp4)*
Recording Schedules	✓
Watermarking	Digital watermarking on recording and export
Maps	Multi-layered maps (BMP / JPEG / PNG / DWG), Tile Server
Webpages	✓
Zones	Group multiple inputs into a single alarm
Event Inputs	Digital Input* / Analytics* / Network Loss / Video Loss* / Motion Detection*
Third Party Inputs	Through IndigoVision Integration Modules or IndigoVision Binding Kit
Alarm Video	Live and looped replay / Pre-alarm video / Alarm Groups
Actions on Event	Record / Email / Snapshot* / Move to Preset / Relay Output* / Audio*
Alarm Schedules	✓
Alarm Reports	✓
Bookmarking	✓
Motion and Audio Search	✓
Connect to LPR powered by InnoWare†	Receive events/alarms, and bookmarks
Alarm and Bookmark Search	✓
Support for CyberVigilant® in Camera	✓
Alarm Escalation	✓
Alarm Procedure Documents	HTML / Text / URL
System Alerts	✓
Audit Log	✓
Mobile Client	View live video and play back alarm video from ONVIF cameras, control PTZ cameras and manage alarms in web browser, Android or iOS app
User Groups	✓
User Authentication	Windows authentication / Basic password
Keyboard Support	IndigoVision / Pelco / American Dynamics / Panasonic
Multiple Languages	10+ languages including; English, Chinese, French, German, Spanish
Matrix Numbering	1 - 9,999,999
Network Connection Types	TCP / UDP Unicast / UDP Multicast
Device Discovery	✓
Supported Cameras and Encoders	IndigoVision Ultra, BX and GX camera ranges, 9000 Range Encoders, Camera Gateway and 3rd Party Cameras**
Supported NVR types	IndigoVision NVR-AS 4000 only. 3rd party Windows NVRs cannot be used in an Integra® / Integra® View system
Industry Open Standards	ONVIF Profile S^^
License Mechanism	Software License Key
Operating System	Windows 10 Enterprise Edition 2016 LTSB
Pre-installed IndigoVision Software	Control Center, NVR-AS, License Server, Control Center Web/Mobile Server, IndigoVision VPN

* Features may vary based on capabilities of the camera or encoder model. Please refer to the relevant product datasheets for details.
** Please see our Control Center Supported 3rd Party Cameras list for full details.
† Purchase product to be connected separately.
^ Requires software upgrade to version 16.0.
^^ ONVIF communication is via HTTP, not HTTPS.

![IndigoVision® a Motorola Solutions Company]

Integra®

Control Center Performance. Intelligently Delivered.

The IndigoVision Integra® gives you the best of both worlds with a powerful workstation, integrated PoE switch and up to 24TB of storage for video recordings. Supporting up to two monitors, the IndigoVision Integra® can display up to 24 simultaneous video streams. Designed and configured for easy installation with performance guaranteed.

Key Features

COMPRESSION

OTHER

| H.264 | MJPEG | MPEG-4 | AAC | G.711 |

| DNA | Windows | PoE | PoE+ |

Product Codes

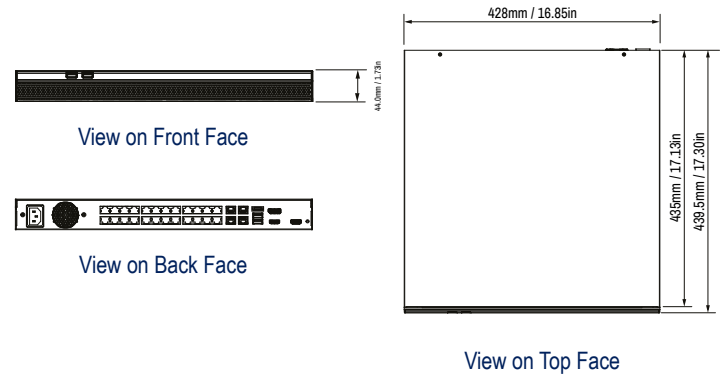| Integra®	Product Code
Integra® 8, 2TB with 8 Camera License	980600
Integra® 8, 4TB with 8 Camera License	980601
Integra® 16, 6TB with 16 Camera License	980602
Integra® 16, 12TB with 16 Camera License	980603
Integra® 24, 18TB with 24 Camera License	980604
Integra® 24, 24TB with 24 Camera License	980605
Integra® Software Upgrade (per device connection)	321000

Accessories

Accessories	Product Code
Integra® View Mini Workstation (up to 24 channels)	980610
Integra® View Mid Workstation (unlimited channels)	980613

Dimensions: Integra® 8

220mm / 8.66in

43.9mm / 1.73in

244.3mm / 9.62in
249.3mm / 9.81in

View on Front Face

View on Back Face

View on Top Face

Dimensions: Integra® 16/24

428mm / 16.85in

44.0mm / 1.73in

435mm / 17.13in
439.5mm / 17.30in

View on Front Face

View on Back Face

View on Top Face
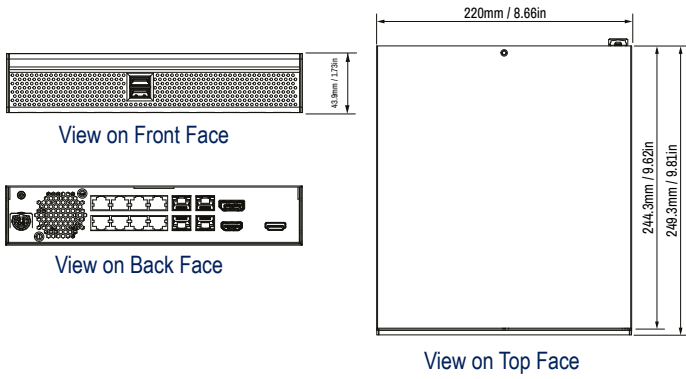
Specifications

General Specifications	Integra® 8		Integra® 16		Integra® 24	
Device Connections	8		16		24	
Disk Capacity	2TB	4TB	6TB	12TB	18TB	24TB
Performance*	8 recording streams, 1080p 30fps 4Mbps 4 live streams, 1080p 30fps 4Mbps 2 CC Mobile streams, 1080p 30fps 4Mbps OR 8 recording streams, 1080p 30fps 4Mbps 8 live streams, 4SIF 30fps 1Mbps 2 CC Mobile streams, 1080p 30fps 4Mbps OR 8 recording streams, 1080p 30fps 4Mbps 8 live streams, 1080p 30fps 4Mbps CC Web/Mobile Media Server powered off		16 recording streams, 1080p 30fps 4Mbps 16 live streams, 4SIF 30fps 1Mbps 2 CC Mobile streams 1080p 30fps 4Mbps OR 16 recording streams, 1080p 30fps 4Mbps 4 live streams, 1080p 30fps 4Mbps 3 CC Mobile streams, 1080p 30fps 4Mbps OR 16 recording streams, 1080p 30fps 4Mbps 8 live streams, 1080p 30fps 4Mbps CC Web/Mobile Media Server powered off		24 recording streams, 1080p 30fps 4Mbps 24 live streams, 4SIF 30fps 1Mbps 2 CC Mobile streams 1080p 30fps 4Mbps OR 24 recording streams, 1080p 30fps 4Mbps 4 live streams, 1080p 30fps 4Mbps 3 CC Mobile streams, 1080p 30fps 4Mbps OR 24 recording streams, 1080p 30fps 4Mbps 8 live streams, 1080p 30fps 4Mbps CC Web/Mobile Media Server powered off	
Recording Throughput	128Mbps		256Mbps		384Mbps	
Playback Rate	128Mbps		256Mbps		384Mbps	
Operating System	Windows 10 Enterprise Edition 2016 LTSB					
Processor	Intel Skylake i5		Intel Skylake i7			
Memory	8GB DDR4 (2x4GB)		16GB DDR4 (2x8GB)			
O/S Hard Disk	1 x 500GB Hard drive					
Recording Hard Disk	1 x 3.5" SATA surveillance hard drive		4 x 3.5" SATA surveillance hard drives (RAID5)			
USB	2x USB 3.0 3x USB 2.0		3x USB 3.0 2x USB 2.0			
PoE Ports	8x 10/100 (802.3at) PoE+ , 120W (max)		16x 10/100 (802.3at) PoE+ , 240W (max)		24x 10/100 (802.3at) PoE+ , 360W (max)	
Uplink	10/100/1000Mbps					
Port Mirroring	Many to one (Tx/Rx)					
Switch Control	Managed Switch via web page, DHCP Server, DHCP RelayAgent, STP, Link Aggregation, Port Mirroring, IGMP Snooping, 802.1Q VLAN, ACL, QoS					
Video Interface	On board Intel HD Graphics 530 2x HDMI (1080p), 1x DisplayPort (1080p), dual monitor output					
Audio Interface	Mic In, Headphone					
Form Factor	Small Form Factor		1U Rack Mount			
Dimensions/Weight	244.3mm (d) x 220mm (w) x 43.9mm (h) and 2.5kg / 9.62in (d) x 8.66in (w) x 1.73in (h) and 5.51lbs		435mm (d) x 428mm (w) x 44mm (h) and 6.1kg / 17.13in (d) x 16.85in (w) x 1.73 (h) and 13.45lbs			
Electrical	Operating Voltage: Input 100-240V ~ 47-63Hz; Power consumption: 200W (max). 56V power supply included		Operating Voltage: Input 100-240V ~ 47-63Hz; Power consumption: 420W (max)		Operating Voltage: Input 100-240V ~ 47-63Hz; Power consumption: 520W (max)	
Regulatory	EN 60068-2-1, EN 60068-2-2, EN 60068-2-30, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11,EN 61000-6-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2, FCC Part 15 subpart B, AS/NZS 61000.6.4, EN60068-2-6, EN60068-2-64, EN60068-2-27					
Housing	Mild Steel Chassis and Polycarbonate Fascia					
Temperature	Operating: 32°F to 104°F Storage: 32°F to 122°F					
Humidity	10% to 90% non-condensing					
Supplied Accessories	HDD Caddy Keys, External Power Supply, Power Cable		HDD Caddy Key, Rack Mount Kit, Power Cable			
Software Requirements	Control Center, NVR-AS, License Server, CC Web/Mobile Server and IndigoVision VPN pre-installed. Integra® View Workstation required to view more than one Integra®					

Note: IndigoVision reserves the right to change specifications at any time.

ID: INTEGRA 19.2 APR 19

IndigoVision®
a Motorola Solutions Company

Integra® View Workstation
Control Center Performance. Intelligently Delivered.

The IndigoVision Integra® View Workstation is designed and configured for easy installation and enable the connection and management of multiple Integra® as a single site. The Integra View Mid Workstation supports up to four monitors and has an Intel® Core™ i7 quad core processor with ample 16GB RAM. Designed and pre-installed with Control Center Integra® View each workstation delivers guaranteed performance.

Key Features

COMPRESSION

H.264 | H.264 | MJPEG | MPEG-4

AAC | G.711

OTHER

DNA | (Windows)

PHYSICAL

TOWER

Product Codes

Integra® View Workstations	Product Code
Integra® View Mid Workstation (G2) (unlimited channels)	980613

Specifications

General Specifications	Mid Workstation
Live Viewing Performance*	98 4SIF streams at 30fps, 18 HD streams at 30fps, 10 4MP streams at 30fps, 5 4K streams at 30fps
Playback Viewing Performance*	25 4SIF streams at 30fps, 11 HD streams at 30fps, 8 4MP streams at 30fps, 3 4K streams at 30fps
Operating System	Windows 10 64bit (IoT Enterprise Embedded 2016, Multi-Language)
Processor	Intel® Core™ i7 (3.2Ghz)
Memory	16GB DDR4 (2x8GB, 2666MHz)
O/S Hard Disk	256GB SSD (PCIe NVMe Class 40) plus 4TB 3.5in SATA
Network Interface	100/1000 BaseT RJ-45
Video Interface	Radeon Pro WX 2100 2GB Supporting up to three HD or three 4K monitor output or five HD monitors if using DisplayPort MST
Audio Interface	HDMI, Mic In, Headphone, Line In/Out
Form Factor	Mini Tower Form Factor Chassis
Dimensions/Weight	345mm (d) x 176.6mm (w) x 335mm (h) and 9.36Kg / 13.58in (d) x 6.95in (w) x 13.19in (h) and 20.63lb
Electrical	460W (100 to 240 VAC, 50/60 Hz, auto switching). 90% efficient PSU (80PLUS Gold Certified Certified) Energy Star compliant
Regulatory	EN 60950-1, IEC 60950-1, EN 55022, CISPR 22, EN 61000-3-2, EN 55024, IEC 61000-3-2 (Class D), EN 61000-3-3, IEC 61000-3-3, CISPR 24
Housing	Mild Steel Chassis and Polycarbonate Fascia
Temperature	Operating:10 °C to 35 °C (50°F to 95°F) Storage: -40° C to 65° C (-40°F to 149°F)
Humidity	20% to 80% relative humidity (non-condensing)
Vibration	Operating: 5 Hz to 350 Hz at 0.0002 G²/Hz Storage: 5 Hz to 500 Hz at 0.001 to 0.01 G²/Hz
Shock	Operating: 40 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 51 cm/sec) Storage: 105 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 127 cm/sec)
Altitude	Operating: -50ft to 10,000 ft Storage: -50ft to 35,000ft
Supplied Accessories	USB Mouse, Regional Power Cord, 2 x mDP to DisplayPort cables, 8x Slimline DVD+/-RW Drive
Software Requirements	Control Center v15.3 will come pre-installed

Accessories

Accessories	Product Code
Workstation Monitor 24in 1080p 60Hz	110390
Workstation Keyboard (USB) - US International	110385
Workstation Keyboard (USB) – UK English	110384
Workstation Keyboard (USB) – Spanish	110383
Workstation Keyboard (USB) – Italian	110382
Workstation Keyboard (USB) – German	110381
Workstation Keyboard (USB) – French	110380
Workstation Keyboard (USB) – Arabic	110386

Note: IndigoVision reserves the right to change specifications at any time.

![IndigoVision logo] **IndigoVision**®
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Hybrid NVR Workstation

Control Center Performance. Intelligently Delivered.

The IndigoVision Hybrid NVR Workstation gives you the best of both worlds with a powerful workstation and 8TB of space for you to record your video footage. Supporting up to four monitors, the IndigoVision Hybrid NVR Workstation can display up to 16 simultaneous HD full frame rate video streams. Designed and configured for easy installation of Control Center with performance guaranteed.

Key Features

COMPRESSION

H.264 | H.264 | JPEG 2000 | MJPEG | MPEG-4

AAC | G.711

OTHER

DNA | Windows

PHYSICAL

TOWER

Product Codes

Hybrid NVR Workstation	Product Code
Hybrid NVR Workstation 8TB (G2)	980628

Specifications

General Specifications	
Live Viewing Performance	70 4SIF streams at 30fps, 16 HD streams at 30fps, 12 4MP streams at 20fps, 4 4K streams at 30fps
Playback Viewing Performance	25 4SIF streams at 30fps, 10 HD streams at 30fps, 8 4MP streams at 20fps, 3 4K streams at 30fps For complete live viewing performance specification please refer to the Control Center v15.0 Performance Reference Guide, available on the IndigoVision Partner Website
Recording Performance	20 Recording plus simultaneous playback of 10 streams
Recording Throughput	80 Mbps recording; 40 Mbps playback
Operating System	Windows 10 64bit (IoT Enterprise Embedded 2016, Multi-Language)
Processor	Intel® Core™ i5 (3.0Ghz)
Memory	16GB DDR4 (2x8GB, 2666MHz)
O/S Hard Disk	1 x 256GB SSD (PCIe NVMe Class 40)
Recording Hard Disk	2 x 8TB 3.5in SATA (RAID 1)
Network Interface	100/1000 BaseT RJ-45
Video Interface	Radeon Pro WX 2100 2GB supporting up to three HD or three 4K monitor output or five HD monitors if using DisplayPort MST
Audio Interface	HDMI, Mic In, Headphone, Line In/Out
Form Factor	Mini Tower Form Factor Chassis
Dimensions/Weight	345mm (d) x 176mm (w) x 335mm (h) and 9.36Kg / 13.58in (d) x 6.95in (w) x 13.19in (h) and 20.63lbs
Electrical	460W (100 to 240 VAC, 50/60 Hz, auto switching). 90% efficient PSU (80PLUS Gold Certified Certified) Energy Star compliant
Regulatory	EN 60950-1, IEC 60950-1, EN 55022, CISPR 22, EN 61000-3-2, EN 55024, IEC 61000-3-2 (Class D), EN 61000-3-3, IEC 61000-3-3, CISPR 24
Housing	Mild Steel Chassis and Polycarbonate Fascia
Temperature	Operating: 0°C to 35°C (32°F to 95°F) Storage: -40° C to 65° C (-40°F to 149°C)
Humidity	Operating: 10% to 80% relative humidity (non-condensing) Storage: 10% to 95% relative humidity (non-condensing)
Vibration	Operating: 5 Hz to 350 Hz at 0.0002 G²/Hz Storage: 5 Hz to 500 Hz at 0.001 to 0.01 G²/Hz
Shock	Operating: 40 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 51 cm/sec) Storage: 105 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 127 cm/sec)
Altitude	Operating: -50ft to 10,000 ft Storage: -50ft to 35,000ft
Supplied Accessories	USB Mouse, Regional Power Cord, 2 x mDP to DisplayPort cables, 8x Slimline DVD+/-RW Drive
Software Requirements	This workstation requires installation of Control Center and NVR Software available separately from IndigoVision

Accessories

Accessories	Product Code
Workstation Monitor 24in 1080p 60Hz	110390
Workstation Keyboard (USB) - US International	110385
Workstation Keyboard (USB) – UK English	110384
Workstation Keyboard (USB) – Spanish	110383
Workstation Keyboard (USB) – Italian	110382
Workstation Keyboard (USB) – German	110381
Workstation Keyboard (USB) – French	110380
Workstation Keyboard (USB) – Arabic	110386

Note: IndigoVision reserves the right to change specifications at any time.

ID: HBRD-NVR-WORKSTN 20.0 NOV 20

IndigoVision®
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Platinum Client Workstation

Control Center Performance. Intelligently Delivered.

The IndigoVision Platinum Client Workstation is the ultimate performance workstation packed with Intel® Core™ Xeon processor, 32GB of high speed memory and Radeon Pro graphics. Supporting up to four monitors, the IndigoVision Platinum Client Workstation can display up to 25 simultaneous HD full frame rate video streams. Designed and configured for easy installation of Control Center with performance guaranteed.

Key Features

COMPRESSION

H.264   H.264   JPEG 2000   MJPEG   MPEG-4

AAC   G.711

OTHER

DNA   [Windows]

PHYSICAL

FULL

Product Codes

Platinum Client Workstation	Product Code
Platinum Client Workstation	980629

Specifications

General Specifications	
Live Viewing Performance	100 4SIF streams at 30fps, 25 HD streams at 30fps, 17 4MP streams at 30fps, 6 4K streams at 30fps
Playback Viewing Performance	25 4SIF streams at 30fps, 15 HD streams at 30fps, 9 4MP streams at 30fps, 4 4K streams at 30fps For complete live viewing performance specification please refer to the Control Center v15.0 Performance Reference Guide, available on the IndigoVision
Operating System	Windows 10 64bit (IoT Enterprise 2016, Multi-Language)
Processor	Intel® Core™ Xeon (10 Core, 3.3Ghz)
Memory	32GB DDR4 ECC (4x8GB, 2666MHz)
O/S Hard Disk	256GB SSD (PCIe NVMe Class 40) plus 4TB 3.5in SATA
Recording Hard Disk	N/A
Network Interface	100/1000 BaseT RJ-45
Video Interface	Radeon Pro WX4100 4GB Quad mDP, supporting up to four HD or four 4K monitor output
Audio Interface	HDMI, Mic In, Headphone, Line In/Out
Form Factor	Full Tower Form Factor Chassis
Dimensions/Weight	518.3mm (d) x 176.5mm (w) x 417.9mm (h) and 15.4Kg / 20.41in (d) x 6.95in (w) x 16.45in (h) and 32.0lbs
Electrical	950W, (100 to 240 VAC, 50/60 Hz, auto switching)
Regulatory	EN 60950-1, IEC 60950-1, EN 55032:2012/CISPR 32:2012, EN 55032:2015/CISPR 32:2015, EN 55024:2010 +A1:2015/CISPR 24:2010 +A1:2015, EN 61000-3-2:2014/IEC 61000-3-2:2014 (Class D), EN 61000-3-3:2013/IEC 61000-3-3:2013, EN 301 489-1 V2.2.0, DRAFT EN 301 489-3 V2.1.1
Housing	Mild Steel Chassis and Polycarbonate Fascia
Temperature	Operating: 10°C to 35°C (50°F to 95°F) Storage: -40°C to 65°C (-40°F to 149°F)
Humidity	8% to 85% relative humidity (non-condensing)
Vibration	Operating: 5 Hz to 350 Hz at 0.52Grms Storage: 5 Hz to 500 Hz at 2.0Grms
Shock	Operating: 40 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 51 cm/sec) Storage: 105 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 127 cm/sec)
Altitude	Operating: -50ft to 10,000 ft Storage: -50ft to 35,000ft
Supplied Accessories	16x Slimline DVD+/-RW Drive, USB Mouse, Regional Power Cord, 4 x mDP to DisplayPort cables
Software Requirements	Control Center v15.3 (pre-installed)

Accessories

Accessories	Product Code
Workstation Monitor 24in 1080p 60Hz	110390
Workstation Keyboard (USB) - US International	110385
Workstation Keyboard (USB) – UK English	110384
Workstation Keyboard (USB) – Spanish	110383
Workstation Keyboard (USB) – Italian	110382
Workstation Keyboard (USB) – German	110381
Workstation Keyboard (USB) – French	110380
Workstation Keyboard (USB) – Arabic	110386

Note: IndigoVision reserves the right to change specifications at any time.

ID: PLTM-WORKSTN 19.3 APR 19

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![IndigoVision logo]
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Mini Client Workstation

Control Center Performance. Intelligently Delivered.

The IndigoVision Mini Client Workstation is a small but powerful machine that is perfect when space is limited in your Control Room. Lightning fast boot times are made possible with a Solid State Hard Drive and 8GB of high speed memory. Designed and configured for easy installation of Control Center with performance guaranteed.

Key Features

COMPRESSION

H.264 | H.264 | JPEG 2000 | MJPEG | MPEG-4

AAC | G.711

DNA | Windows

MINI

Product Codes

Mini Client Workstation	Product Code
Mini Client Workstation	980631

Specifications

General Specifications	
Live Viewing Performance	34 4SIF streams at 30fps, 5 HD streams at 30fps, 2 4MP streams at 30fps, 1 4K streams at 30fps
Playback Viewing Performance	25 4SIF streams at 30fps, 6 HD streams at 30fps, 3 4MP streams at 30fps, 1 4K streams at 30fps For complete live viewing performance specification please refer to the Control Center v15.0 Performance Reference Guide, available on the IndigoVision Partner Website
Operating System	Windows 10 64bit (IoT Enterprise 2019)
Processor	Intel® Core i5-9500
Memory	8GB DDR4 (2666MHz)
O/S Hard Disk	256GB SSD (PCIe NVMe Class 40)
Network Interface	100/1000 BaseT RJ-45
Video Interface	2x DisplayPort, Integrated Intel UHD Graphics supporting dual monitor output
Audio Interface	Mic In, Headphone, Line Out
Form Factor	Compact Micro Form Factor Chassis
Dimensions/Weight	178mm (d) x 36mm (w) x 182mm (h) and 1.18Kg / 7.0in (d) x 1.4in (w) x 7.2in (h) and 2.6lb
Electrical	130W Adaptor (100 to 240 VAC, 50/60 Hz, auto switching). Minimum Efficiency > 87%, ENERGY STAR compliant
Regulatory	EN 60950-1, IEC 60950-1, EN 55032:2012/CISPR 32:2012, EN 55032:2015/CISPR 32:2015, EN 55024:2010 +A1:2015/CISPR 24:2010 +A1:2015, EN 61000-3-2:2014/IEC 61000-3-2:2014 (Class D), EN 61000-3-3:2013/IEC 61000-3-3:2013, DRAFT EN 301 489-1 V2.2.0, DRAFT EN 301 489-17 V3.2.0
Housing	Mild Steel Chassis and Polycarbonate Fascia
Temperature	Operating: 10°C to 35°C (50°F to 95°F) Storage: -40°C to 65°C (-40°F to 149°F)
Humidity	20% to 80% relative humidity (non-condensing)
Vibration	Operating: 5 Hz to 350 Hz at 0.0002 G²/Hz Storage: 5 Hz to 500 Hz at 0.001 to 0.01 G²/Hz
Shock	Operating: 40 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 51 cm/sec) Storage: 105 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 127 cm/sec)
Altitude	Operating: -50ft to 10,000 ft Storage: -50ft to 35,000ft
Supplied Accessories	USB Mouse, Regional Power Cord
Software Requirements	Control Center v16.0 (pre-installed)

Accessories

Accessories	Product Code
Workstation Monitor 24in 1080p 60Hz	110390
Workstation Keyboard (USB) - US International	110385
Workstation Keyboard (USB) – UK English	110384
Workstation Keyboard (USB) – Spanish	110383
Workstation Keyboard (USB) – Italian	110382
Workstation Keyboard (USB) – German	110381
Workstation Keyboard (USB) – French	110380
Workstation Keyboard (USB) – Arabic	110386

Note: IndigoVision reserves the right to change specifications at any time.

ID: MINI-WORKSTN 20.0 JAN 20

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Workstation Monitor
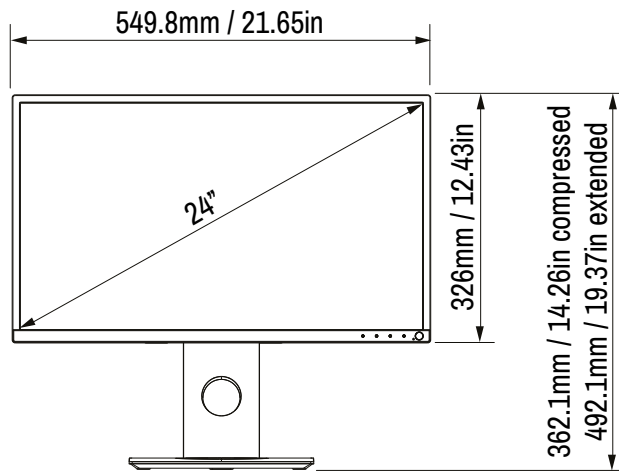
Complete clarity and versatility

IndigoVision's 24" Workstation Monitor is designed for pixel-perfect clarity and purpose-built for workspace versatility with full tilt, height, angle, and even complete rotation for portrait setup. Stunning visuals guaranteed and perfected to work with IndigoVision's Mini Client, Platinum Client, and Hybrid NVR Workstations.

- Purposefully designed for comfort and convenience

- Enjoy full adjustibility to pivot, tilt, height adjustment and swivel to suit your needs

- Excellent picture quality and consistent color representation

- Maximise your security potential with IndigoVision's Mini Client, Platinum Client, and Hybrid NVR Workstations
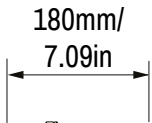
Product Code

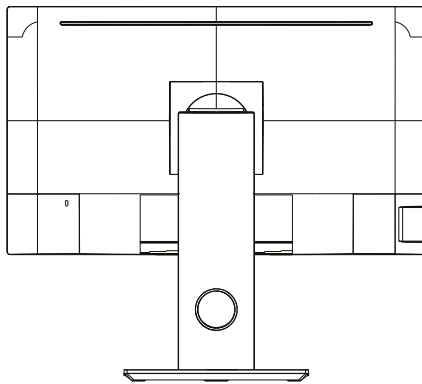| Workstation Monitor	Product Code
Workstation Monitor 24in 1080p 60Hz	110390

Dimensions

549.8mm / 21.65in

24"

326mm / 12.43in

362.1mm / 14.26in compressed
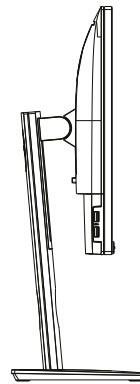492.1mm / 19.37in extended
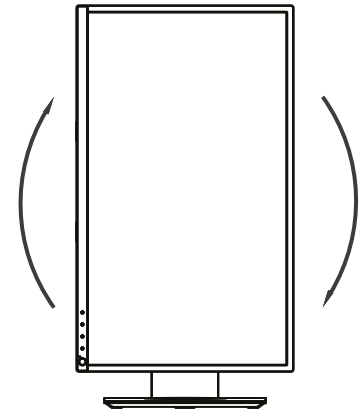
View of Front Face

180mm/
7.09in

View of Left Side

View of Back

View of Right Side

Swivel Configuration

Specification

General Specification	
Display Type	LED-backlit LCD monitor / TFT active matrix 24"
Energy Class	Class A+
Built-in Devices	USB 3.0 hub
Aspect Ratio	Widescreen - 16:9
Native Resolution	Full HD (1080p) 1920 x 1080 at 60 Hz
Pixel Pitch	0.275 mm
Brightness	250 cd/m²
Contrast Ratio	1000:01:00
Colour Support	16.7 million colours
Response Time	6 ms (grey-to-grey)
Horizontal Viewing Angle	178°
Vertical Viewing Angle	178°
Screen Coating	Anti-glare, 3H Hard Coating
Backlight Technology	LED backlight
Features	Ultra wide viewing angle, Premium Panel Guarantee, Dell Easy Arrange, Dell ComfortView
Dimensions (WxDxH) and Weight	549.8 mm (w) x 362.1 mm (h) x 180.0 mm (d) w/ stand compressed or 492.1 mm (h) w/ stand extended, 5.89 kg / 21.65" (w) x 14.26" (h) x 7.09" (d) w/ stand compressed or 19.37" (h) w/ stand extended, 12.98lbs
Display Position Adjustments	Height, pivot (rotation), swivel, tilt
Connectivity	HDMI, DisplayPort, VGA, 2 x USB 3.0, 2 x USB 2.0
Cables Included	1 x VGA cable, 1 x DisplayPort cable, 1 x SuperSpeed USB cable
Electrical	AC 120/230 V (50/60 Hz)
Compliant Standards	TCO Displays
ENERGY STAR Certified	Yes

Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: WRK-MNTR 19.1 MAR 19

Surveillance Keyboard

Who needs a mouse?

IndigoVision's Surveillance Keyboard is used to access Control Center's Virtual Matrix and IP Video Wall. The Control Center Virtual Matrix allows the Surveillance Keyboard to control IndigoVision and most third party PTZ cameras including Pelco and Panasonic.

- Seamless control of live and recorded video

- Desktop keyboard with 3-axis joystick (pan/tilt/zoom)

- Full variable PTZ control of speed domes

- Full control of Control Center virtual matrix

- Multi-function keys

- LCD graphic display

Product Code

Surveillance Keyboard	Product Code
Surveillance Keyboard	110078

Dimensions

View of Right Side

105.2mm / 4.14in
76.6mm / 3.02in

View of Back Side

322.9mm / 13.11in

165mm / 6.50in

IndigoVision

View of Top Face
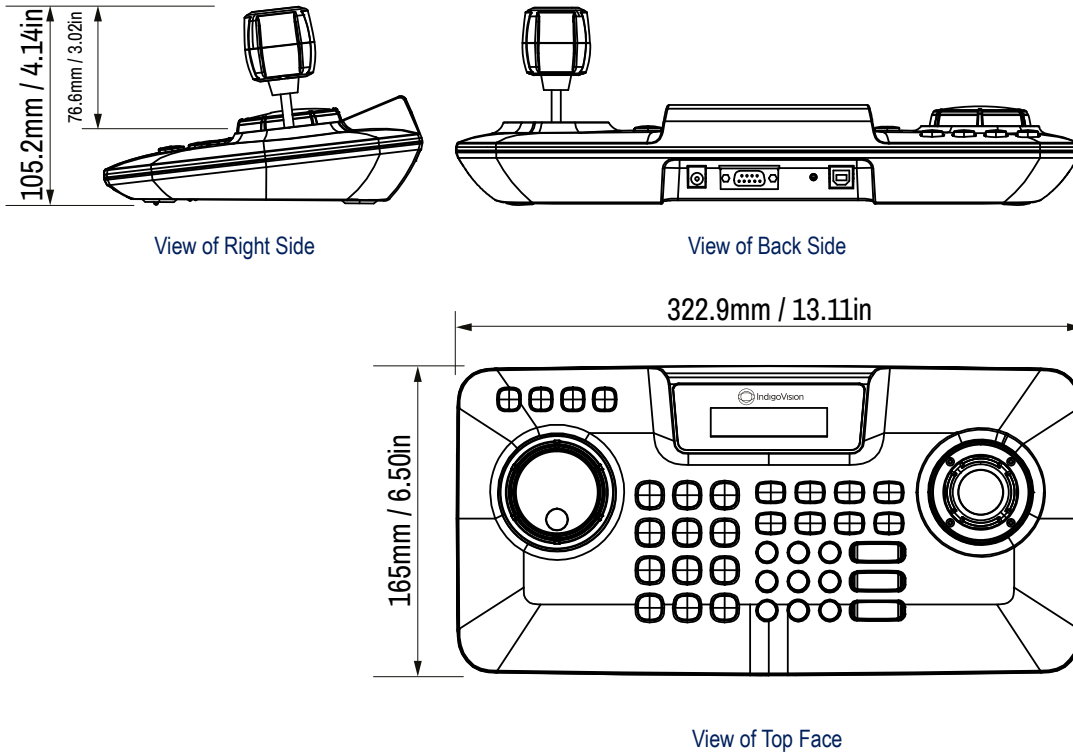
Specification

General Specification	
Control	Proportional 3 axis joystick plus jog / shuttle dial
Numeric Keypad	12 Keys
Multi-function Keypad	24 Keys
LCD Graphic Display	16x2 LCD Screen
LCD Backlit	Yes
Keyboard Power Supply	5v DC USB / 12V DC Power supply (included)
Power Consumption	1.1W
Operating Temperature	0°C to 40°C
Dimensions/Weight	165.0mm (d) x 332.9mm (w) x 105.2mm (h) and 800g / 6.50" (d) x 13.11" (w) x 4.14" (h) and 1.76lb
RS232 connections	1 Serial Line (COM) Female DB9 Connector (Included)
Regulatory	CE, FCC

Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: IV-SK 19.1 MAR 19

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IndigoVision®
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IP Video Wall

Build your own control rooms, cost effectively and scalably

Using IndigoVision's IP Video Wall software, a video wall can be constructed using slave workstations, each of which displays up to 100 panes of video across four monitors. The video wall is controlled over an IP network by an unlimited number of master workstations. Large video walls are constructed using as many Slaves as necessary.

The video wall is managed from Master Control Center workstations through a standard CCTV keyboard or Control Center. Monitors within the video wall can be used to display a variety of information; Video, Salvos, Maps, Alarm Video.

- Construct video walls using any PC monitors e.g. CRT, Plasma, LCD, HD TV

- Controlled using standard CCTV keyboards or Control Center

- Supports SD, HD and higher resolutions up to 20MP

- Display video, maps and alarm video

- Dynamically change the pane layout of a monitor

Product Code

IP Video Wall	Product Code
IP Video Wall Slave License	317420

Specification

General Specification	
Master PCs	Unlimited
Slave PCs	Up to 98 individually licensed PCs
Maximum Monitors per Slave	4
Maximum Panes per Monitor	25
Maximum Total Video Wall Panes	9800
Supported CCTV Keyboards	IndigoVision Surveillance Keyboard, Pelco KBD300A, American Dynamics ADCC1100, American Dynamics AD2088, Panasonic WV-CU650
Supported Actions	From keyboard: Select live camera into pane, Stop video on pane, Pan/Tilt/Zoom/Focus/Iris/Preset control, Sequence control (start/stop/pause/next/previous), Salvo control (start/stop), Guard Tour control (start/stop), Change pane layout. From Control Center: Push live video currently displayed in Control Center to video wall, including pane layout.
Supported Operating Systems	Windows 8.1® 64-bit, Windows 10® 64-bit
Licensing mechanism	Software license
Supported Network	Windows Domain

IP Video Wall Diagram

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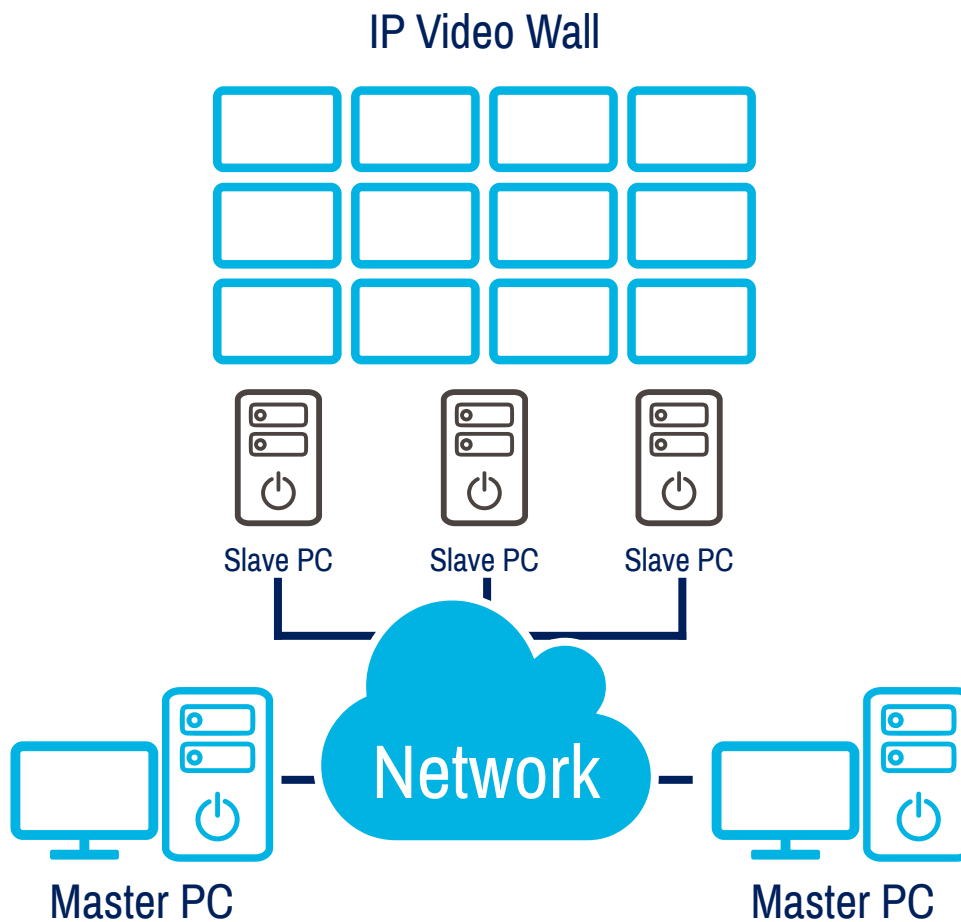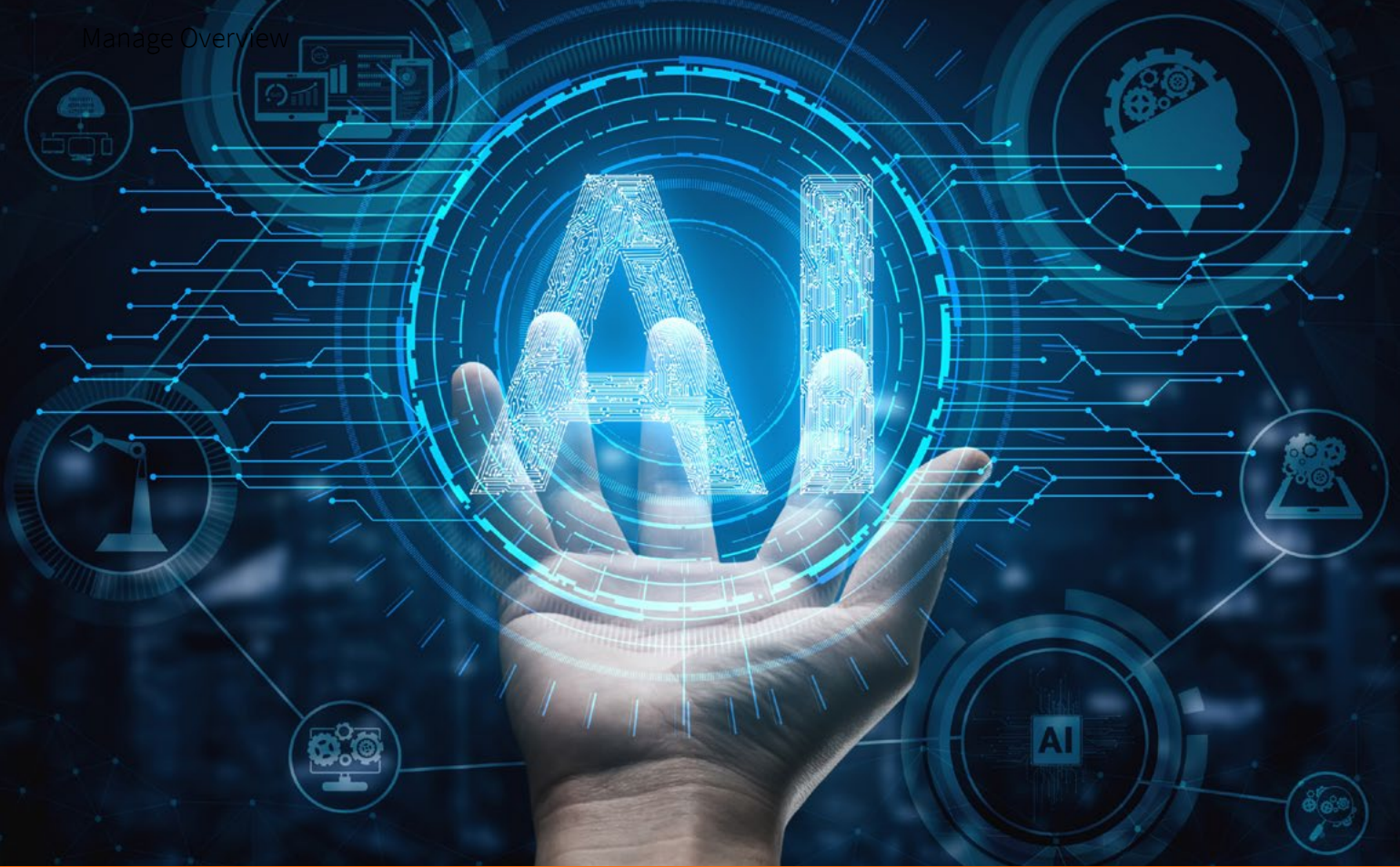
AI

Focus on the moments that matter and react more effectively

You could be managing thousands of the highest quality cameras in the world but this won't improve safety and security if you can't find the evidence you need, when you need it.

Our Artificial Intelligence (AI) products allow you to zero in on the seconds of relevant footage that are required to accelerate your investigations by improving operational efficiency and maximizing your operators' resources. AI carries out the mundane tasks for your team, such as monitoring blacklists, alerting operators only when a critical action needs to be taken. AI sends alerts for the moments your team can't monitor in real time: from the precise moment an object was left abandoned in a waiting room, or the last known location and direction of travel of a suspect. Condensing hours of footage down into the relevant moments allows operators to resolve investigations faster, based on identifying factors such as gender, clothing, colours and object type.

The benefits of AI don't have to end with your security investigations: the latest computer vision and deep learning technology lets you analyze your current processes and enact operational efficiencies. Use data based on customer dwell times and common paths within retail outlets to best position your products for maximum sales. Recognize busy periods in your Casino through the use of heat maps, so you can open tables in expectation of higher demand and efficiently organize rotas to maximize the use of your staff resources.

Adapting to the new normal, instilling confidence and promoting healthy and safe environments for your customers and employees could not be easier with IndigoKiosk AI. Automate occupancy management to ensure the optimum levels for social distancing and face mask detection.

Artificial Intelligence Index

Artificial Intelligence powered by BriefCam

BriefCam's powerful video analytics software uses the latest computer vision and deep learning technology to deliver innovative, market-leading security and operational efficiencies. Integrating with IndigoVision's security management solution, BriefCam extracts the value from recorded video.

The Review module enables super-fast video review and search capability, dramatically shortening your time-to-target. Condense hours of video from NVRs in your IndigoVision installation into just a few minutes, presenting only the items of interest to the operator. Produce exportable reports of your results, fully annotated. Search across multiple video sources for people and vehicles of interest and identify similar looking objects, including through the use of face recognition.

The Research module available in BriefCam Insights and Protect software provides comprehensive Business Intelligence, allowing you to make informed decisions to optimize your business operations. Visualize key performance indicators and perform trend analysis based on the classification of extracted video objects. Quantify the number of objects entering or dwelling within user-defined areas, travelling or dwelling along user-defined paths, or travelling between areas. Use out-of-the-box dashboards or customize them to your specific use cases. Drill down to reveal further quantitative video insights, and schedule dashboard generation on a daily, weekly or monthly basis if desired.

The Respond module, also available in BriefCam Insights and Protect, enables alerts to be triggered in the BriefCam software and in Control Center in near real-time. Alert triggers include face recognition, objects in area, and class categories such as person, two-wheeled and other vehicles.

Key Features

Product Codes

BriefCam Software	Product Codes
BriefCam RapidReview Base License. Includes 2 concurrent users and 50 channels	317450
BriefCam RapidReview pack of 10 Additional Cameras (REVIEW)	317471
BriefCam Insights Base License. Includes 5 concurrent users and 100 channels	317451
BriefCam Insights pack of 10 Additional Cameras (REVIEW)	317472
BriefCam Insights pack of 10 Additional Cameras (RESPOND)	317473
BriefCam Insights 1 Additional User (REVIEW/RESPOND)	317452
BriefCam Insights 5 Additional Users (1 x Editor; 4 x Viewer) (RESEARCH)	317474
BriefCam Insights Processing Expansion Pack	317475
BriefCam Protect Base License. Includes 5 concurrent users and 100 channels	317476
BriefCam Protect pack of 10 Additional Cameras (REVIEW)	317477
BriefCam Protect pack of 10 Additional Cameras (RESPOND)	317478
BriefCam Protect 1 Additional User (REVIEW/RESPOND)	317479
BriefCam Protect 5 Additional Users (1 x Editor; 4 x Viewer) (RESEARCH)	317480
BriefCam Protect Processing Expansion Pack	317481
BriefCam Annual Maintenance at 20% of total software cost	317456
BriefCam Annual Maintenance - Year 2	317484
BriefCam Annual Maintenance - Year 3 onwards	317485
BriefCam Basic Service Pack	317483
Server	**Product Code**
Video Processing Server 128GB, Dual GPU + Hardware ProSupport Plus	980432

Software Variants

Feature	RapidReview	Insights	Protect
Video Input	VMS Only	VMS Only	VMS + standard video files
No. of Included Concurrent Users	2	5	5
No. of Included Cameras	50	100	100
Max no. of Cameras	200	Unlimited	Unlimited
Review module	Yes	Yes	Yes
Multi-camera Search	Yes	Yes	Yes
Investigation Reports	Yes	Yes	Yes
Team Collaboration	Yes	Yes	Yes
Case Builder	Yes	Yes	Yes
Face Recognition	Yes (post-event only)	Yes	Yes
Research module (includes 1 x Editor user and 4 x Viewer users)	-	Yes	Yes
Respond module (includes 10 cameras)	-	Yes	Yes

Specifications

Supported Resolutions	Minimum CIF, Maximum 4K
Supported Frame Rates	8-30 frames per second
Supported Camera Types	Fixed cameras as supported in IndigoVision Control Center. Ultra 5K, Fisheye and body-worn cameras not supported.
Face Recognition	Minimum Face Size: 24x24 pixels
Event and Alarm Integration Capability	Unidirectional flow of events from BriefCam Respond module into Control Center. Events from ONVIF cameras only.
IndigoVision Software Requirements	Control Center v15.0 or later, with IndigoUltra® license
Supported Operating Systems	Windows Server 2019, Windows Server 2016, Windows 10 Pro
Supported Browsers	Google Chrome Desktop , Firefox

Object Filters

Filter by camera, time range, object size, speed, direction, dwell time. Additionally, filter by:

Class	People: Man, Woman, Child Two-Wheeled Vehicle: Bicycle, Motorcycle Other Vehicles: Car, Pickup, Van, Truck, Bus, Train, Airplane, Boat Animals: Various Illumination Changes: Lights On, Lights Off
Attribute	Bags: Backpack, Hand Held, No Bag Hats: Hat, No Hat Upper Wear: Long Sleeves, Short Sleeves, Colors Lower Wear: Long, Short, Colors
Color	Any combination of Brown, Red, Orange, Yellow, Green, Cyan, Blue, Purple, Pink, White, Gray, and Black
Area	Objects included or excluded within one or more user-defined polygon areas
Path	Objects travelling along one or more user-defined paths
Heat Maps	Activity, Dwell, Path, Background Changes
Face Recognition	View all faces or search by face match, external image or watchlist
Appearance Similarity	Identify similar looking people or vehicles across one or more videos

Hardware Requirements

BriefCam uses per-camera licensing, and hardware sizing is calculated according to peak usage requirements. The necessary computing power is dependent on concurrent camera processing volumes and the number of hours of video footage to be processed per hour.

In all cases, please contact your IndigoVision Sales Engineer for assistance with specifying the hardware required to run BriefCam for your specific requirements.

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

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IndigoVision

Video Processing Server

Artificial Intelligence powered by BriefCam

Designed to process video for the IndigoVision Artificial Intelligence powered by BriefCam, the IndigoVision Video Processing Server can support up to ten simultaneous BriefCam RapidReview, Insights and Protect users and process up to 500 hours of video per day. BriefCam RapidReview, Insights and Protect software uses advanced computer vision and deep learning technology to intelligently condense hours of recorded video footage into just a few minutes, presenting just the items of interest to the operator.

Key Features

COMPRESSION

H.264   H.264

OTHER

PHYSICAL

2U Height   19" Rack

Product Codes

Video Processing Server	(inc HW ProSupport)
Video Processing Server 128GB, Dual GPU	980432

Accessories

Accessories	Product Codes
Enterprise NVR-AS 4000 8TB SATA Hard Disk Caddy & Disk	110308
Direct Attach twinax cable kit with SFP+ connectors – 1m	110351
Direct Attach twinax cable kit with SFP+ connectors – 3m	110352
Direct Attach twinax cable kit with SFP+ connectors – 5m	110353
10GBASE-SR fibre optic SFP+ transceiver	110361
2U Sliding rack rail system with cable management arm	110300

Dimensions

29.75in / 755.8mm

View on top Face

444mm

87.3mm
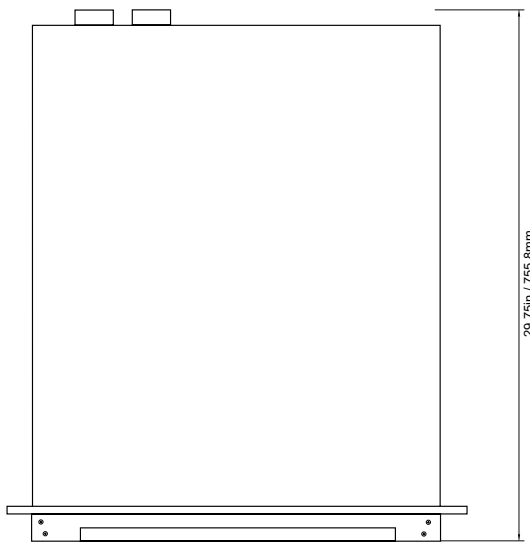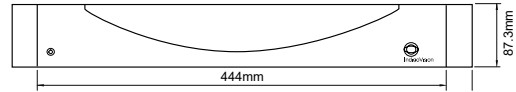
2U View on Front Face (with removable lockable fascia)

Specification

General Specification	Video Processing Server 128GB
No. of Concurrent Users	10
Camera Resolution	1080p
Maximum FPS	30
Max. no. of video hours to be processed per 24 hours	500
Graphics Processor	2x NVIDIA Quadro P4000 8GB GPU
Processor	2 x Intel Xeon Gold 6148
RAM	128GB of memory (8 x 16GB DDR4)
OS	2 x 120GB Boot SSD RAID1
Storage	3 x 8TB SATA
Dimensions/Weight	29.76in / 755.8mm (d) x 17.48in / 444mm (w) x 3.44in / 87.3mm (h) and 72.97lb / 33.1kg
Operating System	Windows Server® 2016 for Embedded Systems Essentials
Recording Hard Drive	3.5in SATA
Operating System and Configuration Hard Drive Bays	Separate from Recording Hard Drives
RAID Controller	Hardware RAID Controller
Network Interface	Dual Port Redundant 10GB DA/SFP+ and Dual Port Redundant 100/1000 BaseT RJ-45 Connections
Network Security	Windows Server Firewall, Network Access Protection (NAP)
Regulatory	EN 60950-1, IEC 60950-1, EN 55022, CISPR 22, EN 61000-3-2, EN 55024, IEC 61000-3-2 (Class D), EN 61000-3-3, IEC 61000-3-3, CISPR 24
Housing	Mild Steel Chassis and Fascia
Electrical	2 x 1100W, 100-240VAC, 50/60 Hz, Auto Switching, Dual-Redundant Hot Swap PSU
Operating Temperature	10°C to 35°C
System Management	iDRAC9 Express
Supplied Accessories	Rack Mount Kit (brackets, static rails and mounting hardware), removable lockable fascia, 3m Direct Attach twinax cable kit with SFP+ connectors, PDU power cords (x2) and USB restore media

IndigoVision reserves the right to change specifications at any time.

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IndigoVision®
a Motorola Solutions Company

IndigoKiosk AI

Automate Occupancy Management and Face Mask Detection

Easy Installation. AI Analytics powered Alarm Integration for actionable intelligence.

IndigoKiosk AI automates the process of counting people to help manage occupancy control and ensure social distancing. Automatically detects people not wearing a face mask and advises them to wear one. Analytic alarm integration into IndigoVision's Control Center and Agora Command and Control platforms provides instant actionable intelligence.

Key Features

COMPRESSION

| 2MP | H.265 | H.264 | UP TO 30fps |

| G.711 | AAC |

INTELLIGENCE

| AI | People Counting | Mask Detection |

OTHER

| DNA | PoE | Onvif | Windows |

PHYSICAL

| Outdoor | IR | IK10 | Low Temp |

Product Codes

Product Kit	Product Code
IndigoKiosk AI (AI Camera + Kiosk Computer)	980616
IndigoKiosk AI + 1 exit (2 x AI Cameras + Kiosk Computer)	980617
IndigoKiosk AI + 2 exits (3 x AI Cameras + Kiosk Computer)	980618

IndigoKiosk AI required per single door used for Entry and Exit.

IndigoKiosk AI + 1 exit is for two door venues. 1 door is used for entry only or entry and exit. 2nd door is used for exit only.

IndigoKiosk AI + 2 exits is for three door venues. 1 door is used for entry only or entry and exit. 2nd and 3rd door is used for exit only.

Camera Dimensions

View on Side Face

159mm / 6.26in
117.9mm / 4.64in
63.5mm / 2.50in

View on Bottom Face

140mm / 5.51in
Ø 5.00mm / 0.20in
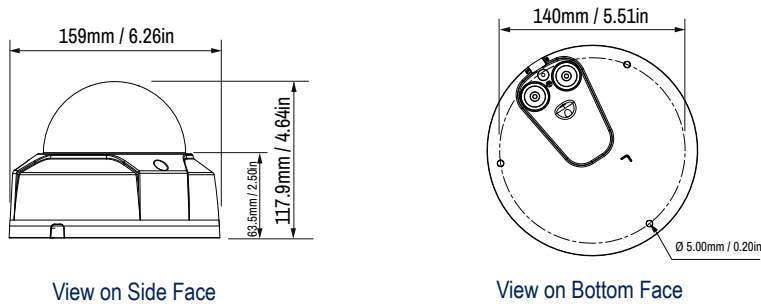
Camera Specifications

Camera Features	Standard Lens
Sensor	1/2.8" Progressive CMOS
Active Pixels	1920x1080
Minimum Sensitivity	Day: 0.002 Lux (colour) Night: 0 Lux (mono), F1.5
Dynamic Range	WDR 120dB
Gain Control	Auto / Manual
Back Light Compensation	Off / BLC / HLC / WDR / SSA
White Balance Mode	Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom
Day/Night	True Day/Night with Mechanical IR Cut Filter
IR Illuminator	Built-in IR Illuminator 850nm wavelength, effective distance >40m
Video Resolution	1920x1080 pixels (HD); 1280x960 pixels (1.3MP); 1280x720 pixels (720p); 704x576 pixels (4SIF); 704x480 pixels (4SIF); 352x288 pixels (SIF); 352x240 pixels (SIF); 640x480 pixels (VGA)
Lens Options	2.7-13.5mm F1.5, Vari-focal with Remote Zoom/Focus
Horizontal Angle of View	Full Wide: 109°, Full Tele: 30°
Vertical Angle of View	Full Wide: 57°, Full Tele: 17°
Iris Control	Auto Iris
Shutter	Rolling; Auto from 1/3 - 1/100,000
Exposure Control	Auto / Gain Priority / Shutter Priority / Manual
Video Compression	Full frame rate, full colour: H.265 / H.264 / MJPEG ; up to 30fps
Privacy Zones	4 User Defined
Video Bit Rate	User-configurable bit rates from 64Kbps up to 8Mbps
Video Multi-Streaming	Unlimited multicast connections; Up to four 4Mbps unicast connections
Video Multi-Encoder	1920x1080p(1080P)@30fps + 704x480(4SIF) or 640x480(VGA) or 352x240(SIF); 1280x960(1.3M)@30fps + 704x480(4SIF) or 640x480(VGA) or 352x240(SIF); 1280x720(720P) + 704x480(4SIF) or 640x480(VGA) or 352x240(SIF)
AI Analytics	Camera: People Counting; Face Detection; With IndigoKiosk Software: Occupancy Breach Alarm^; Face Mask Missing Alarm^ or Face Mask Detected Alarm;
Accuracy	For people counting and face mask detection: With viewing angle of 30°, above 98.7%
Screening Recommendation	Up to 4 people simultaneously. For face mask detection, recommend to allow screening time of up to 5 seconds within the screening region.
Audio Compression	G.711Mu, AAC
Audio Bit Rate	Non user configurable, G.711Mu 64Kbps
Audio Resolution	G.711Mu 8kHz sample rate, Mono Input, Mono Output; AAC is configurable with options 8,16,32 and 48KHz
Audio Input	Line in, terminal block connector
Audio Output	Line out, terminal block connector
Binary Input/Output	1 Pull up input for non powered contacts; 1 solid state open collector digital output: with 12V/DC 300mA max carrying capacity
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, PPPoE, uPnP, QoS, DHCP
Network Security	HTTPS, IEEE 802.1x
Time	Embedded real-time clock, NTP client
SD Storage	microSDXC up to 128GB support (card not included)*
Dimension/Weight	159mm (dia) x 117.9mm (h) and 1.20kg
Regulatory	EN55032, EN55035, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B, EN50130-4, EN60068-2-27, EN60068-2-6, EN60068-2-64, EN60068-2-1, EN60068-2-2, EN60068-2-30, UL, EN60529, EN62262
Housing	White vandal resistant aluminium alloy with clear polycarbonate dome
Protection Rating	IP67, IK10
Operating Temperature	PoE: -10°C to +60°C**. PoE+ / External PSU: -40°C to +60°C
Cold Start	PoE: -10°C. PoE+ / External PSU: -20°C
IndigoVision Software Requirements	Control Center v16.1 or later
Supported Internet Browser	Internet Explorer v11
Electrical	PoE+ (802.3at Class 4) or 12V DC @1.4A./ 24V AC @ 1.6A Camera only (-10°C to +60°C): PoE / 10W Camera including Heater (-40°C to +60°C): PoE+ / 15W Power supply ordered separately (Product code: 110068 (12VDC); 130176 (High PoE Injector))
Warranty	3 years

* SDCard Storage independent of IndigoVision's NVRs.
^ Alarm integration into Control Center and Agora will be available in Q3 2020

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

IndigoKiosk AI Workstation

The IndigoKiosk AI Workstation is a small form-factor machine that can be mounted on the back of your monitor to keep it discreet while it provides the power and reliability to keep your IndigoKiosk AI software running 24/7.

Workstation Specifications

| Workstation Specifications	
Operating System	Windows 10 64bit (IoT Enterprise 2019)
Processor	Intel Core i3-9100T
Memory	16GB (1x16GB) 2666MHz DDR4
O/S Hard Disk	128 GB Solid State Drive (PCIe NVMe Class 35)
Network Interface	100/1000 BaseT RJ-45
Video Interface	1 x Display Port, 1 x HDMI Port, Integrated Intel UHD Graphics supporting dual monitor output
Audio Interface	Mic In, Headphone, Line Out
Form Factor	Compact Micro Form Factor Chassis
Dimensions/Weight	178mm (d) x 36mm (w) x 182mm (h) and 1.18Kg
Electrical	65 Watt AC Adapter
Regulatory	EN 60950-1, IEC 60950-1, EN 55032:2012/CISPR 32:2012, EN 55032:2015/CISPR 32:2015, EN 55024:2010 +A1:2015/CISPR 24:2010 +A1:2015, EN 61000-3-2:2014/IEC 61000-3-2:2014 (Class D), EN 61000-3-3:2013/IEC 61000-3-3:2013, DRAFT EN 301 489-1 V2.2.0, DRAFT EN 301 489-17 V3.2.0
Housing	Mild Steel Chassis and Polycarbonate Fascia
Temperature	Operating: 10°C to 35°C Storage: -40°C to 65°C
Humidity	20% to 80% relative humidity (non-condensing)
Vibration	Operating: 5 Hz to 350 Hz at 0.0002 G²/Hz Storage: 5 Hz to 500 Hz at 0.001 to 0.01 G²/Hz
Shock	Operating: 40 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 51 cm/sec) Storage: 105 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 127 cm/sec)
Altitude	Operating: -15.2 m to 3,048 m Storage: -15.2 m to 10,668 m
Software Requirements	IndigoKiosk AI Server/Client Software v1.1 (pre-installed)
Warranty	3 years

Accessories

Accessories	Product Code
Workstation Monitor 24in 1080p 60Hz	110390
Workstation Keyboard (USB) - US International	110385
Workstation Keyboard (USB) – UK English	110384
Workstation Keyboard (USB) – Spanish	110383
Workstation Keyboard (USB) – Italian	110382
Workstation Keyboard (USB) – German	110381
Workstation Keyboard (USB) – French	110380
Workstation Keyboard (USB) – Arabic	110386

CAPTURE
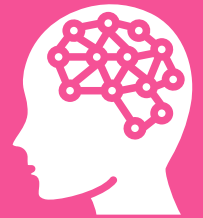
Get the image detail you need to inform incident response in any environment

Security investigations can't even begin if you are unable to extract quality images from your cameras. At IndigoVision, we provide a wide array of cameras in a range of form factors, so that you can choose the right camera for specific areas of your site to give you complete situational awareness. With tightly integrated in-built analytics, you'll have access to data to better inform your security response.

Whether you need a camera which is capable of withstanding attempts at destruction - either intentional or accidental - and harsh weather conditions, or precision image detail for a high-security entrance on your site, we've got you covered. Your team is always put in the best place to react swiftly and stop events from escalating using analytics filters, including motion detection and perimeter monitoring, which allow operators to respond immediately to incidents in any environment.

Our cameras come in a variety of ranges: GX, BX, UX, PTZ and SP, meaning that there is a camera for every budget and site. If you are looking to cost-effectively migrate legacy analog cameras into your IP security system, you can do so easily with our Channel Encoders, which convert your cameras' analog signal into digital, so your system will treat them like any IP camera. Ensure high-risk areas on your site are monitored 24/7 with our fixed cameras, which provide you with a detailed camera view without interruptions. Use our powerful Pan-Tilt-Zoom (PTZ) cameras to auto-track suspects from long-range, night or day.

IndigoVision's high-definition cameras continuously monitor and analyze their environment, so you will never miss a critical incident.

Capture Index

UX CAMERA RANGE

BX CAMERA RANGE

MOUNT & ACCESSORY MATRICES

Capture Index

IndigoVision®
a Motorola Solutions Company

2MP 4MP 5MP 8MP
BULLET DOME BOX

UX Camera Range
Capture every detail with ultra-high resolution

With best in class performance, the IndigoVision UX Camera range supports multiple resolutions and delivers enhanced video streams in all lighting conditions. You also get maximum reliability with IndigoVision's Distributed Network Architecture, which removes the requirement for a central server, ensuring you never lose access to live video and benefit from minimal latency. IndigoVision's SmartCodec technology gives highly optimised H.265 compression significantly reducing storage costs.

Key Features & Benefits

MOTION DETECTION
Operators get alerted immediately when motion is detected thanks to our built-in analytics.

ONVIF® COMPLIANT
Built on an open platform to allow integration with other security solutions, so you can expand your existing security system.

H.265 WITH SMARTCODEC TECHNOLOGY
Reduce costs by maximizing bandwidth utilization and storage consumption without compromising image quality.

EXPANDABLE STORAGE
Use our slot for either SD or MicroSD memory card and get video recordings even during network interruptions.

IP AND IK RATED
Trust the robustness and reliability of your system with IP66/7 weather rating and IK10 impact rating for vandal resistance.

5 YEAR WARRANTY
Gain peace of mind with products backed by a 5-year, industry-leading warranty.

LOW LIGHT TECHNOLOGY
Deliver safety and capture unexceptionably detailed footage even in low-light settings.

TRUE WIDE DYNAMIC RANGE
Capture details in scenes with both very bright and dark areas, so you can detect suspicious activity in all lighting conditions.

RELAY I/O CONNECTIONS FOR FAST RESPONSE
Configure input actions (such as alarms) that trigger an external relay to perform an action (e.g., turn lights on).

AUDIO CAPABILITIES
Available ports for external audio including sirens, microphones and/or loudspeakers for audio talk-down situations.

ADAPTIVE INFRARED (IR) LED ILLUMINATION
Automatically provides clear and evidential video even in pitch dark condition for a distance of up to 350 m (1148 ft).

NDAA COMPLIANT
Approach US government with confidence, knowing our cameras comply with the National Defense Authorization Act.

ONVIF is a trademark of Onvif, Inc.

Specifications

Image Performance	2.0 MP	4.0 MP	5.0 MP	8.0 MP (4K ULTRA HD)
Sensor	1/2.8" progressive scan CMOS			1/1.8" progressive scan CMOS
Max Resolution (H x V) and Aspect Ratio	(16:9) 1920 x 1080	(16:9) 2560 x 1440 (4:3) 2304 x 1728	(4:3) 2592 x 1944 (16:9) 2560 x 1440	(16:9) 3840 x 2160
Dynamic Range (WDR Off)	83 dB	83 dB	83 dB	85 dB
Dynamic Range (WDR On)	126 dB (dual exposure, 30 fps) 132 dB (triple exposure, 20 fps or less)	126 dB	126 dB	120 dB
Max Image Rate	(50 Hz/60 Hz): 25 fps/30 fps	WDR off (50 Hz/60 Hz): 25 fps/30 fps WDR on (50 Hz/60 Hz): 20 fps/20 fps		(50 Hz/60 Hz): 25 fps/30 fps
Bandwidth Management	SmartCodec technology			
3D Noise Reduction Filter	Yes			

Lens and IR Illumination		3.3 – 9 mm	4.9 – 8 mm	9 – 22 mm	4.7 – 84.6 mm
IR Illumination Max Distance[1] (high power 850 nm LEDs)	Dome	35 m (115 ft), full tele 15 m (49 ft), full wide	30 m (98 ft), full tele 15 m (49 ft), full wide	N/A	N/A
	Bullet	50 m (164 ft), full tele 30 m (98 ft), full wide	50 m (164 ft), full tele 30 m (98 ft), full wide	90 m (295 ft), full tele 60 m (197 ft), full wide	N/A
Minimum Illumination	2 MP	0.027 lux in color mode, 0.014 lux in monochrome mode, 0 lux with IR	N/A	0.052 lux in color mode, 0.026 lux in monochrome mode, 0 lux with IR	0.039 lux in color mode, 0.02 lux in monochrome mode
	4 MP	0.03 lux in color mode, 0.015 lux in monochrome mode, 0 lux with IR	N/A	0.058 lux in color mode, 0.029 lux in monochrome mode, 0 lux with IR	N/A
	5 MP	N/A	N/A	0.058 lux in color mode, 0.029 lux in monochrome mode, 0 lux with IR	N/A
	8 MP	N/A	0.055 lux in color mode, 0.028 lux in monochrome mode, 0 lux with IR	N/A	N/A
Horizontal Angle of View - Based on Aspect Ratio	2 MP	(16:9) 34° – 99°	N/A	(16:9) 14° – 31°	(16:9) 4.1° – 60°
	4 MP	(16:9)(4:3) 34° – 92°	N/A	(16:9)(4:3) 14° – 31° (4:3) 11° – 24°	N/A
	5 MP	N/A	N/A	(16:9)(4:3) 14° – 31°	N/A
	8 MP	N/A	(16:9) 52° – 92°	N/A	N/A
Vertical Angle of View - Based on Aspect Ratio	2 MP	(16:9) 18° – 53°	N/A	(16:9) 7.8° – 16.7°	(16:9) 2.3° – 34°
	4 MP	(16:9) 18° – 50° (4:3) 25° – 68°	N/A	(16:9) 8.2° – 17.4°	N/A
	5 MP	N/A	N/A	(16:9) 8.1° – 17.4° (4:3) 11° – 23°	N/A
	8 MP	N/A	(16:9) 29° – 51°	N/A	N/A
Max Aperture		F1.3	F1.8	F1.6	F1.6
Control		P-Iris, Remote Focus and Zoom			

[1] IR illumination power may be reduced at higher operating temperatures.

Image Control	
Image Compression Method	H.264 SmartCodec, H.265 SmartCodec, Motion JPEG
Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG
Motion Detection	Pixel motion: Selectable sensitivity and threshold. Classified object detection
Tamper Detection	Yes
Electronic Shutter Control	Automatic, Manual (1/7 to 1/8196 sec)
Iris Control	Automatic, Open, Closed
Day/Night Control	Automatic, Manual
Flicker Control	60 Hz, 50 Hz
White Balance	Automatic, Manual
Backlight Compensation	Adjustable
Privacy Zones	Up to 64 zones

Specifications

Auxiliary I/O

Audio Compression Method	G.711 PCM 8 kHz
Audio Input/Output	Line level input and output
External I/O Terminals	Alarm In, Alarm Out
RS-485 Terminal	Yes, Box camera only**

** Currently not supported

Network

Network	100BASE-TX, RJ45 Connector, CAT5e Cabling
ONVIF	ONVIF compliance version 1.02, 2.00, Profile S, Profile T (www.onvif.org)
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, CyberVigilant
Protocol	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP
Device Management Protocols	SNMP v2c, SNMP v3

Peripherals

Onboard Storage (Dome)	microSD/microSDHC/microSDXC slot – class 10/UHS-1 or better recommended
Onboard Storage (Bullet and Box)	SD/SDHC/SDXC slot – class 10/UHS-1 or better recommended

Mechanical (Dome)

Mechanical (Dome)	Indoor Surface Mount	Indoor In-Ceiling Mount	Outdoor Surface Mount
Dimensions (LxWxH)	163 mm x 163 mm x 118 mm; 6.4" x 6.4" x 4.7"	181 mm x 181 mm x 164 mm; 7.1" x 7.1" x 6.5"	163 mm x 163 mm x 121 mm; 6.4" x 6.4" x 4.8"
Weight	0.99 kg (2.18 lbs)	1.64 kg (3.62 lbs)	1.39 kg (3.06 lbs)
Dome Bubble	Polycarbonate		
Body	Plastic, Aluminum		Aluminum
Housing	Surface mount, tamper resistant	Recessed mount, tamper resistant	Surface mount, vandal resistant
Finish	Plastic, gray	Plastic, gray; Aluminum, powder coat, black	Powder coat, RAL 9003
Adjustment Range	360° pan, ±180° azimuth, 9° – 95° tilt (30° – 95° with -IR option)		

Mechanical (Pendant Dome)

Mechanical (Pendant Dome)	Pendant Camera Only	With Wall Mount (UX-DP-WALL-MNT)	With NPT Mount (UX-DP-NPTA-MNT)
Dimensions (LxWxH)	172 mm x 172 mm x 124 mm; 6.8" x 6.8" x 4.9"	275 mm x 172 mm x 152.1 mm; 10.8" x 6.8" x 6.0"	172 mm x 172 mm x 172.3 mm; 6.8" x 6.8" x 6.8"
Weight	1.59 kg (3.51 lbs)	3.04 kg (6.70 lbs)	1.84 kg (4.06 lbs)
Dome Bubble	Polycarbonate		
Body	Aluminum		
Housing	Pendant mount, vandal resistant		
Finish	Powder coat, RAL 9003		
Adjustment Range	360° pan, ±180° azimuth, 9° – 95° tilt (30° – 95° with -IR option)		

Mechanical (Bullet)

Dimensions (LxWxH)	280 mm x 126 mm x 91 mm; 11.04" x 4.97" x 3.58" (including mounting bracket)
Weight (Camera)	1.71 kg (3.77 lbs)
Weight (Mounting Bracket)	0.21 kg (0.46 lbs)
Body	Aluminum
Housing	Surface mount, tamper resistant
Finish	Powder coat, RAL 9003
Adjustment Range	±175° pan, ±90° tilt, ±175° azimuth

Specifications

Mechanical (Box)

Dimensions (LxWxH)	168 mm x 76 mm x 67 mm; 6.6" x 3.0" x 2.6"
Weight	0.62 kg (1.4 lbs)
Body	Aluminum
Camera Mount	1/4"-20 UNC (top and bottom)
Finish	Powder coat, black

Electrical

Power Consumption (Dome)	Bullet	13 W max		
	Dome	13 W max (11 W with no IR or IR disabled)		
	Box	7 W max		
Power Source	Bullet	VDC: 12 V ± 10%, 13 W min	VAC: 24 V ± 10%, 15 VA min	PoE: IEEE802.3af Class 3 compliant
	Dome	VDC: 12 V ± 10%, 12 W min	VAC: 24 V ± 10%, 13 VA min	PoE: IEEE802.3af Class 3 compliant
	Box	VDC: 12 V ± 10%, 7 W min	VAC: 24 V ± 10%, 9 VA min	PoE: IEEE802.3af Class 3 compliant
RTC Backup Battery	3V manganese lithium			

Environmental

Operating Temperature	Bullet	-40 °C to +60 °C (-40 °F to 140 °F), in enclosed space -40 °C to +65 °C (-40 °F to 149 °F), with ambient convection
	Dome	-40 °C to +65 °C (-40 °F to 149 °F)
	Box	-10 °C to +60 °C (-14 °F to 140 °F)
IR Illuminator Behavior	Bullet	IR illuminator will turn off if the temperature is 61 °C (141 °F) or higher. The illuminator will operate at 50% power if the temperature is between 55 °C (131 °F) and 61 °C (141 °F). Hysteresis: 5 °C (9 °F).
	Indoor Dome	IR illuminator will turn off if the temperature is 55 °C (131 °F) or higher. The illuminator will operate at 50% power if the temperature is between 44 °C (111 °F) and 55 °C (131 °F). Hysteresis: 2 °C (3.6 °F).
	Outdoor Dome	IR illuminator will turn off if the temperature is 57 °C (135 °F) or higher. The illuminator will operate at 50% power if the temperature is between 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C (3.6 °F).
Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)	
Humidity	0 - 95% non-condensing	

Certifications

Certifications/ Directives	UL, cUL, CE, ROHS, Reach (SVHC), RCM, EAC, BIS, KC	
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471 (with -IR option)	
Environmental	Bullet	UL/CSA/IEC 60950-22, IEC 60529 IP66 and IP67 Weather Rating, IEC 62262 IK10 Impact Rating
	Outdoor Dome	UL/CSA/IEC 60950-22, IEC 60529 IP66 and IP67 Weather Rating, IEC 62262 IK10 Impact Rating
Electromagnetic Emissions	FCC Part 15 Subpart B Class B, IC ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3	
Electromagnetic Immunity	EN 55035, EN 61000-6-1	

Ordering Information (Outdoor Dome & Bullet)

Surface Mount Outdoor Dome Camera

Model (UX-DO)	Product Code	MP	WDR	Low light Technology	Lens	IR	SmartCodec
UX-2MP-DO-S	750440-DO	2.0	✓	✓	3.3 - 9 mm		✓
UX-2MP-DO-S-IR	750442-DO	2.0	✓	✓	3.3 - 9 mm	✓	✓
UX-2MP-DO-T	750441-DO	2.0	✓	✓	9 - 22 mm		✓
UX-5MP-DO-T	752441-DO	5.0	✓	✓	9 - 22 mm		✓
UX-8MP-DO-S	753440-DO	8.0	✓	✓	4.9 - 8 mm		✓
UX-8MP-DO-S-IR	753442-DO	8.0	✓	✓	4.9 - 8 mm	✓	✓

Display Part Number	Product Code	Description
UX-DO-COVR-SMK	150404	Outdoor dome camera cover with smoked bubble
UX-DO-COVR-CLR	150405	Outdoor dome camera cover with clear bubble
UX-DO-DC-SGROM	150554	Camera sealing grommet, pack of 10
UX-DO-DP-PGROM	150553	Pipe grommet, pack of 10
AV-CAB	150150	3.5 mm jack with 1.8 m fly wire

Pendant Mount Outdoor Dome Camera (UX-DP)

Model (UX-DP)	Product Code	MP	WDR	Low light Technology	Lens	IR	SmartCodec
UX-2MP-DP-S	750440-DP	2.0	✓	✓	3.3 - 9 mm		✓
UX-2MP-DP-S-IR	750442-DP	2.0	✓	✓	3.3 - 9 mm	✓	✓
UX-2MP-DP-T	750441-DP	2.0	✓	✓	9 - 22 mm		✓
UX-5MP-DP-T	752441-DP	5.0	✓	✓	9 - 22 mm		✓
UX-8MP-DP-S	753440-DP	8.0	✓	✓	4.9 - 8 mm		✓
UX-8MP-DP-S-IR	753442-DP	8.0	✓	✓	4.9 - 8 mm	✓	✓

Display Part Number	Product Code	Description
UX-DP-COVR-SMK	150406	Pendant dome camera cover with smoked bubble
UX-DP-COVR-CLR	150407	Pendant dome camera cover with clear bubble
UX-DP-WALL-MNT	150502	Indoor/outdoor pendant wall arm mount
UX-DP-NPTA-MNT	150503	Indoor/outdoor pendant NPT mount
POLE-MNT	150506	Aluminum pole mounting bracket for pendant dome cameras
CRNR-MNT	150507	Aluminum corner mounting bracket for pendant dome cameras
UX-DO-DP-PGROM	150553	Pipe grommet, pack of 10
AV-CAB	150150	3.5 mm jack with 1.8 m fly wire

Outdoor Bullet Camera

Model (UX-BO-IR)	Product Code	MP	WDR	Low light Technology	Lens	IR	SmartCodec
UX-2MP-BO-S-IR	750640	2.0	✓	✓	3.3 - 9 mm	✓	✓
UX-2MP-BO-T-IR	750641	2.0	✓	✓	9 - 22 mm	✓	✓
UX-5MP-BO-T-IR	752641	5.0	✓	✓	9 - 22 mm	✓	✓
UX-8MP-BO-S-IR	753640	8.0	✓	✓	4.9 - 8 mm	✓	✓

Display Part Number	Product Code	Description
BO-JCT-BOX	150300	Junction box for bullet cameras
POLE-MNT	150506	Aluminum pole mounting bracket for bullet cameras
CRNR-MNT	150507	Aluminum corner mounting bracket for bullet cameras

Ordering Information (Indoor Dome & Box)

Box Camera

Model (UX-B)	Product Code	MP	WDR	Low light Technology	Lens	IR	SmartCodec
UX-2MP-B-LT	750621	2.0	✓	✓	4.7 - 84.6 mm		✓
UX-2MP-B-S	750620	2.0	✓	✓	3.3 - 9 mm		✓
UX-4MP-B-S	751620	4.0	✓	✓	3.3 - 9 mm		✓
UX-4MP-B-T	751621	4.0	✓	✓	9 - 22 mm		✓
UX-8MP-B-S	753620	8.0	✓	✓	4.9 - 8 mm		✓

Display Part Number	Product Code	Description
AV-CAB	150150	3.5 mm jack with 1.8 m fly wire

Surface Mount Indoor Dome Camera

Model (UX-BO-IR)	Product Code	MP	WDR	Low light Technology	Lens	IR	SmartCodec
UX-2MP-D-S	750420-D	2.0	✓	✓	3.3 - 9 mm		✓
UX-2MP-D-S-IR	750422-D	2.0	✓	✓	3.3 - 9 mm	✓	✓
UX-2MP-D-T	750421-D	2.0	✓	✓	9 - 22 mm		✓
UX-8MP-D-S	753420-D	8.0	✓	✓	4.9 - 8 mm		✓
UX-8MP-D-S-IR	753422-D	8.0	✓	✓	4.9 - 8 mm	✓	✓

Display Part Number	Product Code	Description
UX-D-COVR-SMK	150408	Indoor dome camera cover with smoked bubble
UX-D-COVR-CLR	150409	Indoor dome camera cover with clear bubble
UX-D-SDWL-PLUG	150551	Indoor dome camera sidewall knockout plug, pack of 5
AV-CAB	150150	3.5 mm jack with 1.8 m fly wire

In-Ceiling Mount Indoor Dome Camera

Model (UX-DC)	Product Code	MP	WDR	Low light Technology	Lens	IR	SmartCodec
UX-2MP-DC-S	750420-DC	2.0	✓	✓	3.3 - 9 mm		✓
UX-2MP-DC-S-IR	750422-DC	2.0	✓	✓	3.3 - 9 mm	✓	✓
UX-2MP-DC-T	750421-DC	2.0	✓	✓	9 - 22 mm		✓
UX-8MP-DC-S	753420-DC	8.0	✓	✓	4.9 - 8 mm		✓
UX-8MP-DC-S-IR	753422-DC	8.0	✓	✓	4.9 - 8 mm	✓	✓

Display Part Number	Product Code	Description
UX-DC-COVR-SMK	150410	In-ceiling dome camera cover with smoked bubble
UX-DC-COVR-CLR	150411	In-ceiling dome camera cover with clear bubble
UX-BX-DC-CPNL	150259	Metal ceiling panel
UX-DO-DC-SGROM	150554	Camera sealing grommet, pack of 10
AV-CAB	150150	3.5 mm jack with 1.8 m fly wire

Outline Dimensions

Surface Mount Indoor Dome Camera
UX-D

[X.X]	INCHES
X	MM

In-Ceiling Dome Camera
UX-DC

Surface Mount Outdoor Dome Camera
UX-DO

Outline Dimensions

Pendant Dome Camera with NPT Mount
UX-DP + UX-DP-NPTA-MNT

1.5" NPT

$\begin{bmatrix} 6.8 \end{bmatrix}$
172.3

$[\,6.8\,]$

$\varnothing$172

$\begin{bmatrix} 6.8 \end{bmatrix}$
$\varnothing$ 172
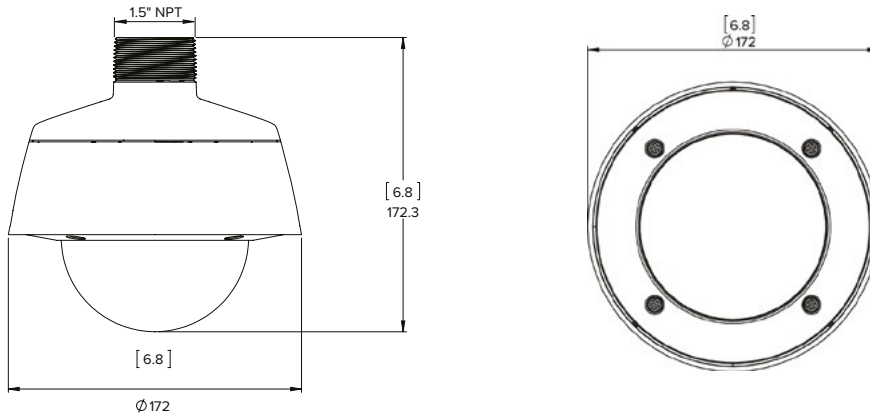
Pendant Dome Camera with Wall Mount
UX-DP + UX-DP-WALL-MNT

[6.8] Ø172

[10.8] 275

[6.0] 152.1

[0.6] 14

[0.6] 14

[1.3]
33

[2.1]
54

[0.8]
20

[0.8]
20

Box Camera
UX-B

$\begin{bmatrix} 3.0 \end{bmatrix}$
76

$\begin{bmatrix} 6.6 \end{bmatrix}$
168

$\begin{bmatrix} 2.9 \end{bmatrix}$
73

MOUNTING POINT
1/4"-20 UNC

$\begin{bmatrix} 2.6 \end{bmatrix}$
67

MOUNTING POINT
1/4"-20 UNC

$\begin{bmatrix} 2.7 \end{bmatrix}$
68

65
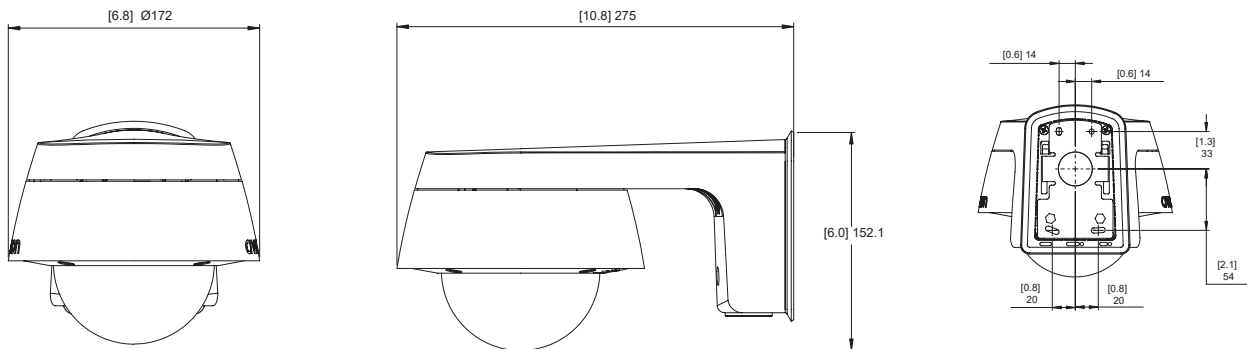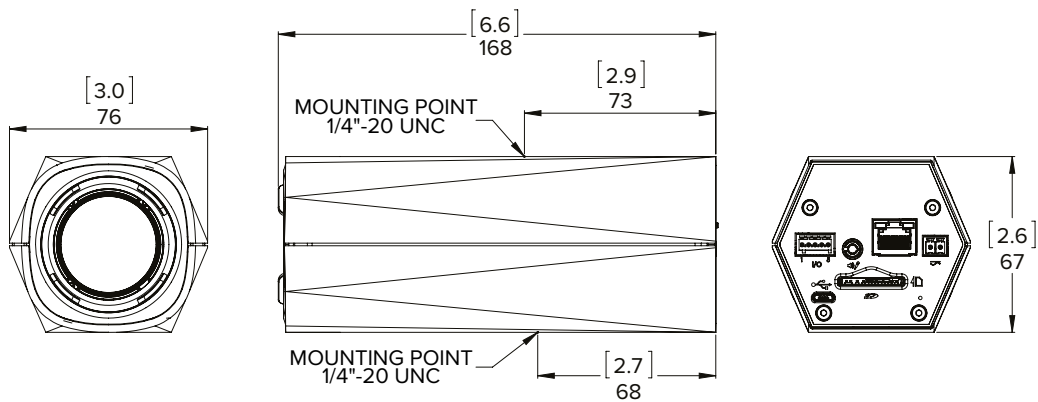
Outline Dimensions

Bullet Camera
UX-BO-IR

4x ∅4.5 [0.1772] THROUGH

[3.80] 97

[2.37] 60

[4.50] 114

[4.97] 126

[5.15] 131

[4.29] 109

[3.58] 91

[3.09] 79

Overhang
Min: 27 [1.1]
Max: 55 [2.2]

[10.09] 256

[11.04] 280

HD Bullet Camera Junction Box
BO-JCT-BOX

3/4 NPT

4 x ∅5.0 THRU ALL

[2.4] 60

[4.0] 102

[4.5] 114

[5.0] 126

3/4 NPT

[2.2] 55

IndigoVision®
a Motorola Solutions Company

2MP 3MP 5MP
BULLET DOME
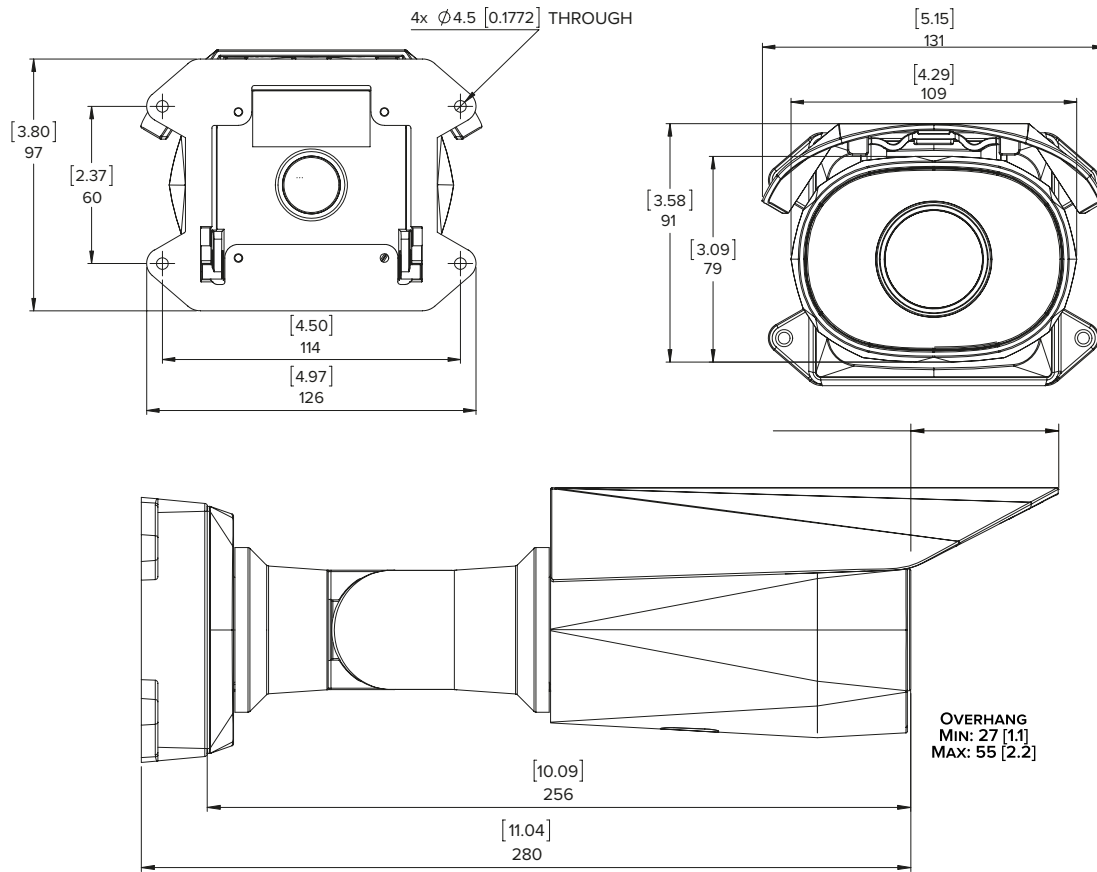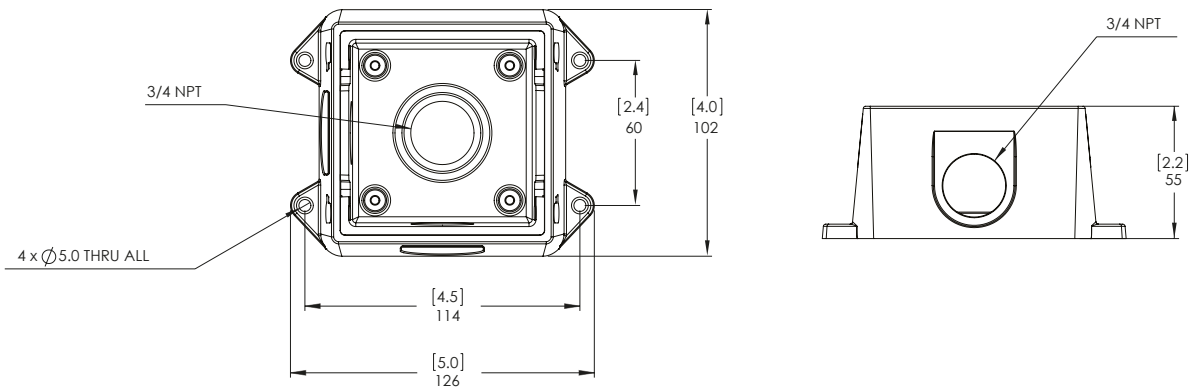
BX Camera Range
Supreme connectivity and flexibility

With IndigoVision's BX range you get supreme connectivity and flexibility combined with great video and audio. Available in a variety of resolutions and form factors, you also get maximum reliability with IndigoVision's Distributed Network Architecture, which removes the requirement for a central server, ensuring you never lose access to live video and benefit from minimal latency. The BX Cameras deliver a different dimension of safety when combined with IndigoVision's Control Center.

Key Features & Benefits

MOTION DETECTION
Operators get alerted immediately when motion is detected thanks to our built-in analytics.

ONVIF® COMPLIANT
Built on an open platform to allow integration with other security solutions, so you can expand your existing security system.

H.265 WITH SMARTCODEC TECHNOLOGY
Reduce costs by maximizing bandwidth utilization and storage consumption without compromising image quality.

EXPANDABLE STORAGE
Use our slot for either SD or MicroSD memory card and get video recordings even during network interruptions.

IP AND IK RATED
Trust the robustness and reliability of your system with IP66/7 weather rating and IK10 impact rating for vandal resistance.

5 YEAR WARRANTY
Gain peace of mind with products backed by a 5-year, industry-leading warranty.

LOW LIGHT TECHNOLOGY
Deliver safety and capture unexceptionably detailed footage even in low-light settings.

DUAL EXPOSURE WIDE DYNAMIC RANGE
Capture details in scenes with both very bright and dark areas, so you can detect suspicious activity in all lighting conditions.

ADAPTIVE INFRARED (IR)
Automatically adjusts IR beam width and exposure settings based on scene conditions to help maximize image quality.

AUDIO CAPABILITIES
Available ports for external audio including sirens, microphones and/or loudspeakers for audio talk-down situations.

RELAY I/O CONNECTIONS FOR FAST RESPONSE
Configure input actions (such as alarms) that trigger an external relay to perform an action (e.g., turn lights on).

NDAA COMPLIANT
Approach US government with confidence, knowing our cameras comply with the National Defense Authorization Act.

ONVIF is a trademark of Onvif, Inc.

Specifications

Image Performance	2.0 MP	3.0 MP	5.0 MP
Sensor	1/2.8" progressive scan CMOS		
Aspect Ratio	16:9	4:3	4:3
Active Pixels (H x V)	1920 x 1080	2048 x 1536	2592 x 1944
Imaging Area (H × V)	4.8 mm x 2.7 mm; 0.189" x 0.106"	5.12 mm x 3.84 mm; 0.202" x 0.151"	5.18 mm x 3.89 mm; 0.204" x 0.153"
Dynamic Range (WDR Off)	100 dB		
Dynamic Range (WDR On)	120 dB (dual exposure)	120 dB (dual exposure)	110 dB (dual exposure)
Max Image Rate	(50 Hz/60 Hz): 25 fps/30 fps	(50 Hz/60 Hz): 25 fps/30 fps	(50 Hz/60 Hz): 25 fps/24 fps
Resolution Scaling	Down to 384 x 216		
Camera Operating Mode	N/A	N/A	Full feature or High framerate mode
Bandwidth Management	SmartCodec technology		
3D Noise Reduction Filter	Yes		

Lens and IR Illumination		3.1 – 8.4 mm	9.5 – 31 mm
IR Illumination Max Distance (high power 850 nm LEDs)	Dome	30 m (100 ft), full tele 20 m (65 ft), full wide	N/A
	Bullet	50 m (165 ft), full tele 30 m (100 ft), full wide	70 m (230 ft), full tele 30 m (100 ft), full wide
Minimum Illumination	2.0 MP	With IR: 0 lux in color or monochrome mode Without IR: 0.04 lux in color mode; 0.02 lux in monochrome mode	N/A
	3.0 MP		With IR: 0 lux in color or monochrome mode Without IR: 0.03 lux in color mode; 0.015 lux in monochrome mode
	5.0 MP	With IR: 0 lux in color or monochrome mode Without IR: 0.02 lux in color mode; 0.01 lux in monochrome mode	With IR: 0 lux in color or monochrome mode Without IR: 0.015 lux in color mode; 0.007 lux in monochrome mode
Horizontal Angle of View - Based on Aspect Ratio	2.0 MP	(16:9)(4:3) 35° – 90° (5:4) 33° – 85°	N/A
	3.0 MP		(16:9) 10° – 32°; (5:4) 9.5° – 32°; (4:3) 9.5° – 30°
	5.0 MP	(16:9)(4:3) 35° – 90°	(16:9)(4:3) 9.5° – 30°
Vertical Angle of View - Based on Aspect Ratio	2.0 MP	(16:9) 20° – 49° (5:4)(4:3) 26° – 66°	N/A
	3.0 MP		(16:9) 6° – 17°; (5:4)(4:3) 7° – 23°
	5.0 MP	(16:9) 20° – 49°; (4:3) 26° – 66°	(16:9) 6° – 17°; (4:3) 7° – 23°
Max Aperture		F1.6	F1.4
Control		P-Iris, Remote Focus and Zoom	

Image Control	
Image Compression Method	H.264 SmartCodec, H.265 SmartCodec, Motion JPEG
Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG
Motion Detection	Pixel
Tamper Detection	Yes
Electronic Shutter Control	Automatic, Manual (1/6 to 1/8000 sec)
Iris Control	Automatic, Manual
Day/Night Control	Automatic, Manual
Flicker Control	60 Hz, 50 Hz
White Balance	Automatic, Manual
Backlight Compensation	Adjustable
Privacy Zones	Up to 64 zones

Auxiliary I/O	
Audio Compression Method	Opus, G.711 PCM 8 kHz
Audio Input/Output	Line level input and output
External I/O Terminals	Alarm In, Alarm Out

Specifications

Network

Network	100BASE-TX
Cabling Type	CAT5
Connector	RJ-45
ONVIF	ONVIF compliant with Profile S and Profile T (www.onvif.org)
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, CyberVigilant*
Protocol	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP
Device Management Protocols	SNMP v2c, SNMP v3

* Feature will be added in the future with a firmware upgrade

Peripherals

Onboard Storage	microSD/microSDHC/microSDXC slot – minimum class 6; class 10/UHS-1 or better recommended

Mechanical (Dome)	Surface Mount	In-Ceiling Mount	Pendant Mount NPT Adaptor	Pendant Mount NPT + Wall Mount
Dimensions (LxWxH)	147 x 147 x 119 mm; 5.8" x 5.8" x 4.7"	174 x 174 x 162 mm; 6.9" x 6.9" x 6.4"	153 x 153 x 166 mm; 6.0" x 6.0" x 6.5"	269 x 153 x 214 mm; 10.6" x 6.0" x 8.4"
Max. Ceiling Thickness	N/A	32 mm (1.25")	N/A	N/A
Weight	0.78 kg; 1.72 lbs	0.77 kg; 1.69 lbs	0.77 kg; 1.69 lbs	2.04 kg; 4.49 lbs
Dome Bubble	Polycarbonate, clear			
Body	Polycarbonate			Polycarbonate/aluminum
Housing	Vandal resistant			
Finish	Cool grey			Close to RAL 9003
Adjustment Range	360° pan, ±180° azimuth, 30° – 95° tilt (recommended), 10° – 95° tilt (maximum)			

Mechanical (Bullet)	
Dimensions (LxWxH)	285 mm x 131 mm x 97 mm; 11.2" x 5.1" x 3.8" (including mounting bracket)
Weight (Camera)	1.29 kg (2.84 lbs)
Weight (Mounting Bracket)	0.21 kg (0.46 lbs)
Body	Aluminum
Housing	Surface mount, tamper resistant, vandal resistant
Finish	Powder coat, cool grey
Adjustment Range	±175° pan, ±90° tilt, ±175° azimuth

Electrical

Power Consumption (Dome)	8W max
Power Consumption (Bullet)	9W max
Power Source*	PoE: IEEE802.3af Class 3 compliant
RTC Backup Battery	3V manganese lithium

* When powered with some models of PoE++ injectors, the injectors may not power the camera correctly.

Environmental

Operating Termperature	-30 °C to +60 °C (-22 °F to 140 °F)
Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)
Humidity	0 - 95% non-condensing

Certifications

Certifications/ Directives	UL, cUL, CE, ROHS, RCM, EAC, BIS, KC
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471
Environmental	IEC 62262 IK10 Impact Rating, UL/CSA/IEC 60950-22, IEC 60529 IP66 and IP67 Weather Rating
Electromagnetic Emissions	FCC Part 15 Subpart B Class B, IC ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3
Electromagnetic Immunity	EN 55035, EN 61000-6-1
Industrial EMC	EN 50130-4, EN 50121-4

Ordering Information (Bullet)

Model	Product Code	MP	WDR	Low light Technology	Lens	IR	IP66 / IP67	SmartCodec
BX-2MP-BO-S-IR	650640	2.0	✓	✓	3.1 - 8.4 mm	✓	✓	✓
BX-3MP-BO-T-IR	651641	3.0	✓	✓	9.5 - 31 mm	✓	✓	✓
BX-5MP-BO-S-IR	652640	5.0	✓	✓	3.1 - 8.4 mm	✓	✓	✓
BX-5MP-BO-T-IR	652641	5.0	✓	✓	9.5 - 31 mm	✓	✓	✓

Mounting Adaptors and Accessories

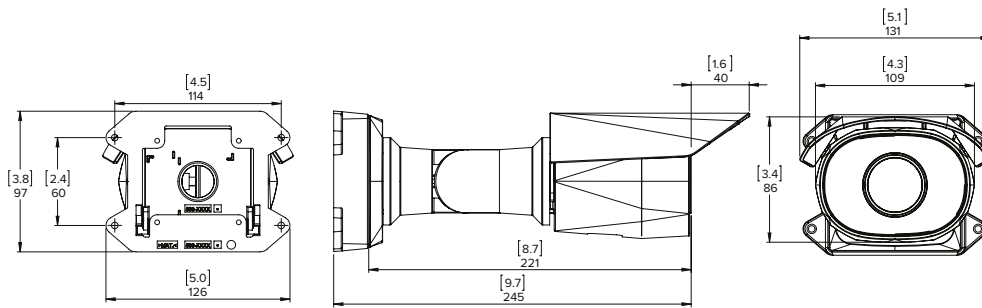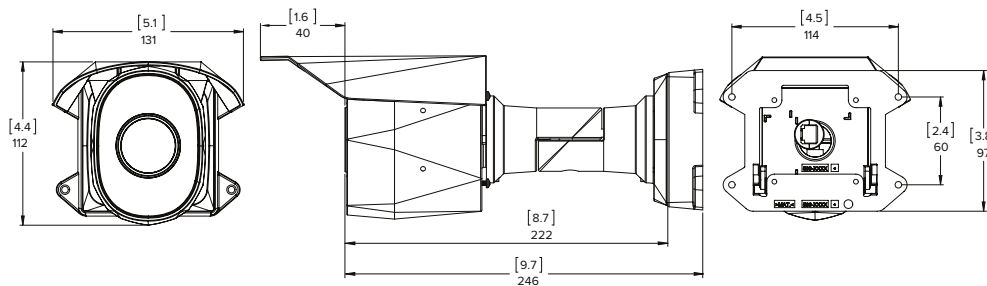| Display Part Number	Product Code	Description
BO-JCT-BOX	150300	Junction box for bullet cameras
POLE-MNT	150506	Aluminum pole mounting bracket
CRNR-MNT	150507	Aluminum corner mounting bracket

Outline Dimensions (Bullet)

[X.X]	INCHES
X	MM

Bullet Camera
BX-BO

Bullet Camera Junction Box
BO-JCT-BOX
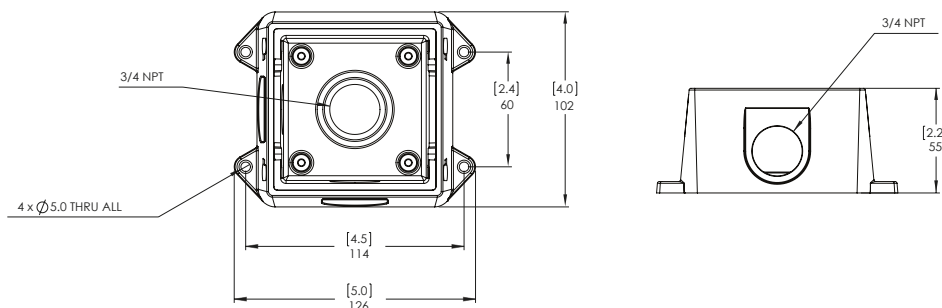
Ordering Information (Dome)

The variety of mounting options for the BX dome camera provides maximum flexibility. All the available camera modules can be used in any of the mounting options.

Mounting Scenario	Ordering Information
SURFACE MOUNT	Order one of: • Camera
IN-CEILING MOUNT	Order one of: • Camera • BX-AD-CEIL • Optional, UX-BX-DC-CPNL if ceiling panel needed
PENDANT NPT MOUNT	Order one of: • Camera • BX-DP-NPTA-MNT
PENDANT WALL MOUNT	Order one of: • Camera • BX-DP-NPTA-MNT • BX-DP-WALL-MNT • Optional, POLE-MNT or CRNR-MNT if pole or corner mount needed

Model	Product Code	MP	WDR	Low light Technology	Lens	IR	IP66 / IP67	SmartCodec
BX-2MP-DO-S-IR	650440	2.0	✓	✓	3.1 - 8.4 mm	✓	✓	✓
BX-5MP-DO-S-IR	652440	5.0	✓	✓	3.1 - 8.4 mm	✓	✓	✓

Mounting Adapters and Accessories

Display Part Number	Product Code	Description
BX-AD-CEIL	150255	In-ceiling mounting adapter for the BX dome camera
BX-DP-NPTA-MNT	150504	NPT adapter for the BX dome camera
BX-DP-WALL-MNT	150505	Pendant wall mount
UX-BX-DC-CPNL	150259	Metal ceiling panel
POLE-MNT	150506	Aluminum pole mounting bracket
CRNR-MNT	150507	Aluminum corner mounting bracket
BX-DO-COVR-SMK	150412	Replacement smoke dome cover
BX-DO-COVR-CLR	150413	Replacement clear dome cover
BX-DO-AD-SMT	150256	Replacement surface mount adapter

Outline Dimensions (Dome)

Dome Camera with Surface Mount
BX-DO + provided surface mount
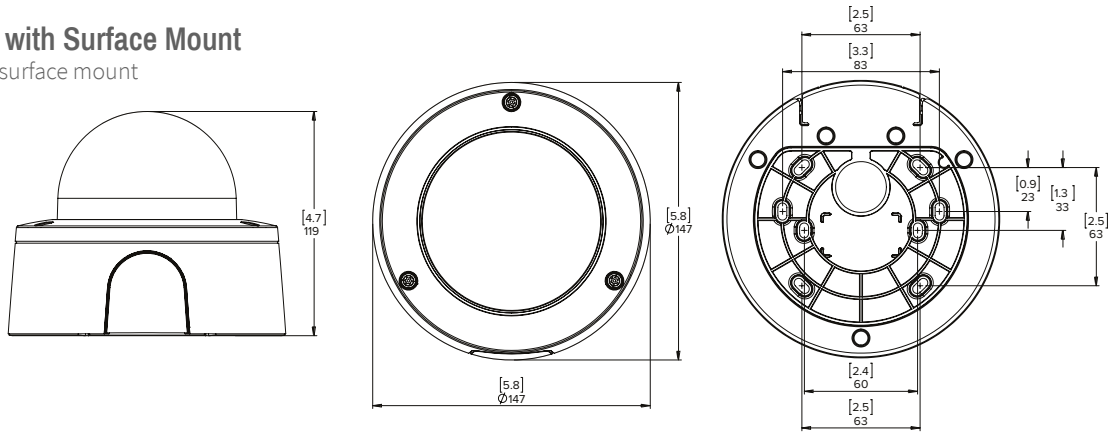
Dome Camera with In-Ceiling Mount
BX-DO + BX-AD-CEIL

Dome Camera with NPT Adapter
BX-DO + BX-DP-NPTA-MNT

Dome Camera with NPT Adapter and Pendant Wall Mount
BX-DO + BX-DP-NPTA-MNT + BX-DP-WALL-MNT

IndigoVision®
a Motorola Solutions Company

GX Outdoor Dome Camera
Compact and cost-effective without sacrificing quality

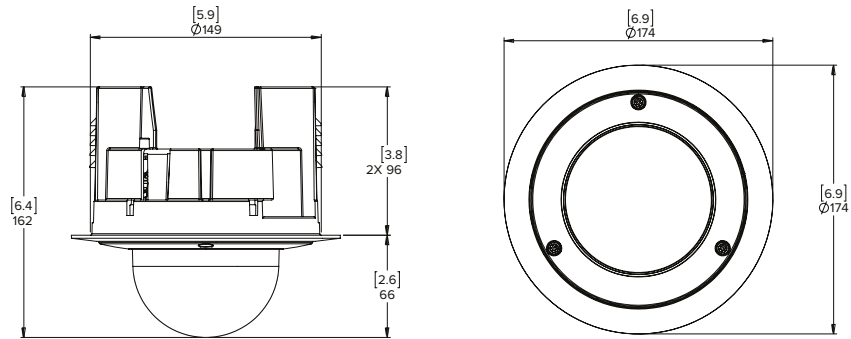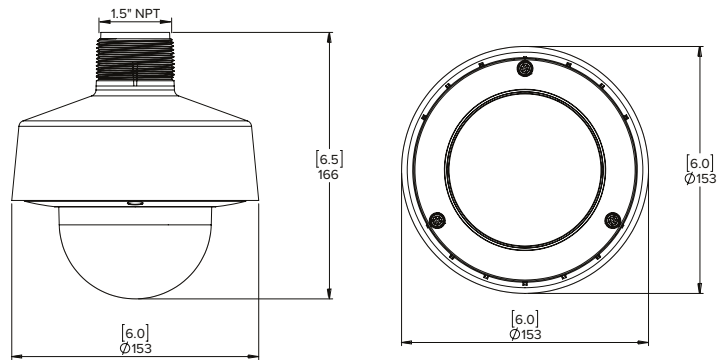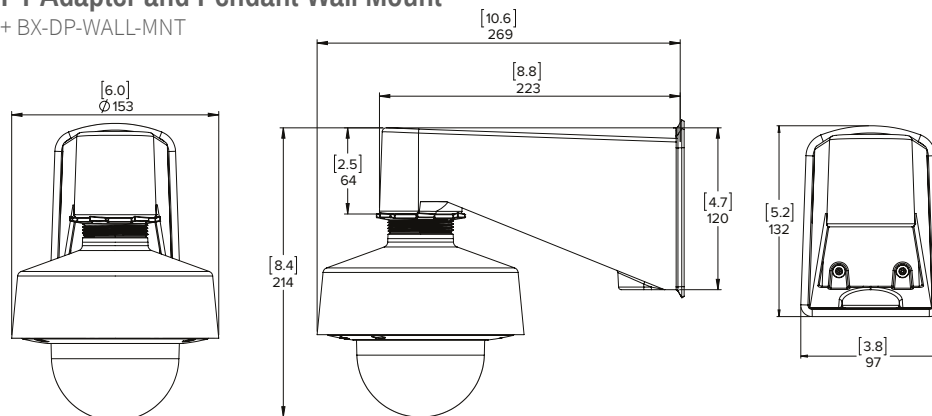Part of IndigoVision's GX Range, available in 2MP and 5MP resolution options - the GX Dome Camera's deliver pin sharp video that is fully ONVIF conformant. Any single point of failure in the system is removed through IndigoVision's Distributed Network Architecture (DNA). Our unique Distributed Network Architecture (DNA) removes the requirement for a central server, ensuring you never lose access to live video and benefit from minimal latency.

Key Features & Benefits

MOTION DETECTION
Operators get alerted immediately when motion is detected thanks to our built-in analytics.

ONVIF® COMPLIANT
Built on an open platform to allow integration with other security solutions, so you can expand your existing security system.

H.265 WITH SMARTCODEC TECHNOLOGY
Reduce costs by maximizing bandwidth utilization and storage consumption without compromising image quality.

NDAA COMPLIANT
Approach US government with confidence, knowing our cameras comply with the National Defense Authorization Act.

LOW LIGHT TECHNOLOGY
Deliver safety and capture unexceptionably detailed footage even in low-light settings.

WIDE DYNAMIC RANGE
Capture details in scenes with both very bright and dark areas, so you can detect suspicious activity in all lighting conditions.

IP AND IK RATED
Trust the robustness and reliability of your system with IP66/7 weather rating and IK08 impact rating for vandal resistance.

5 YEAR WARRANTY
Gain peace of mind with products backed by a 5-year, industry-leading warranty.

ONVIF is a trademark of Onvif, Inc.

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Specifications

Image Performance	2MP	5MP
Sensor	1/2.8" progressive scan CMOS	
Maximum Resolution	(16:9) 1920 × 1080 (5:4) 1280 × 1024 (4:3) 1280 × 960 (16:9) 1280 × 720	(4:3) 2592 × 1944 (5:4) 2560 × 1440
Imaging Area (H × V)	4.8 mm × 2.7 mm; 0.189" × 0.106"	5.18 mm × 3.89 mm; 0.204" × 0.153"
Dynamic Range (WDR Off)	83 dB	83 dB
Dynamic Range (WDR On)	110 dB (dual exposure)	110 dB (dual exposure)
Max Image Rate	50 Hz/60 Hz): 25 fps/30 fps	(50 Hz/60 Hz): 25 fps/24 fps
Resolution Scaling	Down to 384 × 216	
Camera Operating Mode	N/A	Full feature or high framerate mode
Bandwidth Management	SmartCodec technology	
3D Noise Reduction Filter	Yes	

Lens and IR Illumination		
Lens	2.8 mm, F1.2, IR Corrected	
Minimum Illumination (With IR)	0 lux in color or monochrome mode	
Minimum Illumination (Without IR)	0.01 lux in color mode; 0.005 lux (F/1.2) in monochrome mode	0.03 lux in color mode; 0.015 lux (F/1.2) in monochrome mode
IR illumination (high power 850 nm LEDs)	15 m (50 ft) max. distance at 0 lux	
Horizontal Angle of View - Based on Aspect Ratio	(16:9) 112°; (5:4) 72°; (4:3) 82°	(5:4) 103°; (4:3) 104°
Vertical Angle of View - Based on Aspect Ratio	(16:9) 62°; (5:4) 58°; (4:3) 61°	(5:4) 67°; (4:3) 77°
Max Aperture	F1.2	
Control	Fixed	

Image Control	
Image Compression Method	H.264 SmartCodec, H.265 SmartCodec, Motion JPEG
Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG
Motion Detection	Pixel
Camera Tamper Detection	Yes
Electronic Shutter Control	Automatic, Manual (1/7.5 to 1/8000 sec)
Iris Control	None
Day/Night Control	Automatic, Manual
Flicker Control	60 Hz, 50 Hz
White Balance	Automatic, Manual
Backlight Compensation	Adjustable
Privacy Zones	Up to 64 zones

Network	
Network	100BASE-TX, RJ45 Connector, CAT5 Cabling
ONVIF	ONVIF compliance Profile S, Profile T (www.onvif.org)
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, CyberVigilant
Protocol	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP
Device Management Protocols	SNMP v2c, SNMP v3

Specifications

Mechanical	Surface Mount	In-Ceiling Mount
Dimensions (LxWxH)	100 mm × 100 mm × 115 mm; 3.9" × 3.9" × 4.5"	101 mm × 101 mm × 162 mm; 4.0" × 4.0" × 6.4"
Max. Ceiling Thickness	N/A	1.0"
Weight	0.355 kg; 0.78 lbs	0.37 kg; 0.82 lbs
Body	Polycarbonate and aluminum	
Housing	Polycarbonate	
Finish	Cool gray	
Adjustment Range	360° pan, ±180° azimuth, 0° – 90° tilt	

Electrical	
Power Consumption	8 W
External Power	PoE: IEEE802.3af Class 0 compliant

Environmental	
Operating Termperature	-30 °C to +55 °C (-22 °F to 131 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to 158 °F)
Humidity	0 - 95% non-condensing

Certifications	
Certifications/ Directives	UL, cUL, CE, ROHS, WEEE, RCM
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471
Environmental	IP66 Weather Rating and IK08 Impact Rating
Electromagnetic Emissions	FCC Part 15 Subpart B Class B, IC ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3
Electromagnetic Immunity	EN 55035, EN 61000-6-1

Ordering Information

Model	Product Code	MP	WDR	Low light Technology	Lens	IR	IP66
GX-2MP-DO-IR	550440	2.0	✓	✓	2.8 mm	✓	✓
GX-5MP-DO-IR	552440	5.0	✓	✓	2.8 mm	✓	✓

Accessories

Display Part Number	Product Code	Description
GX-SHRD	150552	Package of 4 camera shroud replacement parts for the GX dome cameras
GX-AD-CEIL	150254	In-ceiling mount adapter for GX dome cameras

Outline Dimensions

Surface Mount Outdoor Dome Camera

[X.X]	INCHES
X	MM

30
[1.2]

115
[4.5]

65
[2.6]

∅ 70
[2.8]

∅ 100
[3.9]

3X ∅ 4
[0.2]

∅ 64
[2.5]

In-Ceiling Dome Camera

79
[3.1]

162
[6.4]

65
[2.5]

∅ 70
[2.8]

101
[4.0]

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a Motorola Solutions Company

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.
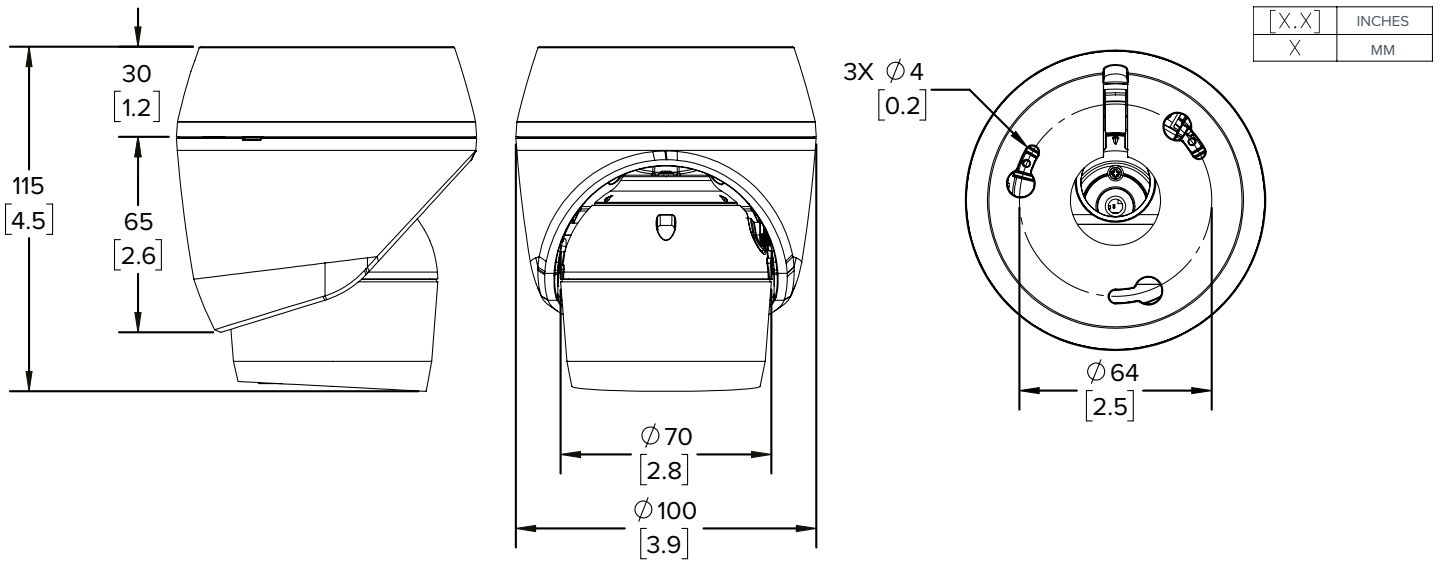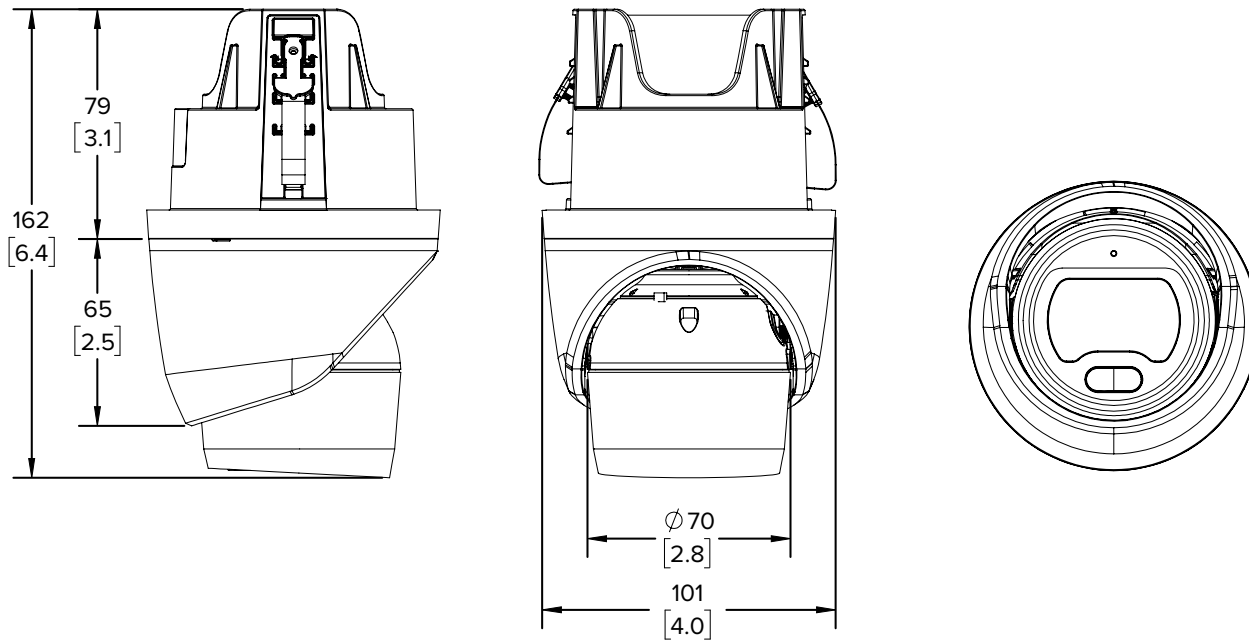
IR PTZ Cameras

Capture every detail with ultra-high resolution

With best in class performance, IndigoVision IR PTZ Cameras deliver rich, high resolution video with automatically adaptive IR LED illumination. This provides evidential video in pitch dark conditions for a distance of up to 350 m (1148 ft). Image stabilisation and ultra-low PTZ latency gives smoother operator viewing and control. You also get maximum reliability with IndigoVision's Distributed Network Architecture, which removes the requirement for a central server, ensuring you never lose access to live video and benefit from minimal latency.

NEW FOR 2021

Key Features & Benefits

LOW LIGHT TECHNOLOGY
Deliver safety and capture unexceptionably detailed footage even in low-light settings.

WIDE DYNAMIC RANGE
Capture details in scenes with both very bright and dark areas, so you can detect suspicious activity in all lighting conditions.

ONVIF® COMPLIANT
Built on an open platform to allow integration with other security solutions, so you can expand your existing security system.

IP AND IK RATED
Trust the robustness and reliability of your system with IP66 weather rating and IK10 impact rating for vandal resistance.

IMAGE STABILIZATION & ULTRA-LOW LATENCY
Detect incidents faster with smooth, superior long-range viewing and control.

5 YEAR WARRANTY
Gain peace of mind with products backed by a 5-year, industry-leading warranty.

ACF (ACTIVITY CONTROLLED FRAMERATE)
ACF reduces the frames per second (fps) based on activity cutting bandwidth consumption and maximizing storage space, reducing costs by up to 95%.

CYBERVIGILANT TECHNOLOGY
Enhance your existing camera firewall by getting alerted of unauthorized access, as it is attempted.

SERVO FEEDBACK
When encountering external force, such as vandalism, the camera will return immediately to its original position.

ADAPTIVE INFRARED (IR) LED ILLUMINATION
Automatically provides clear and evidential video even in pitch dark condition for a distance of up to 350 m (1148 ft).

360° COVERAGE
Monitor virtually any area within a 360° view, including straight down and above the horizon.

NDAA COMPLIANT
Approach US government with confidence, knowing our cameras comply with the National Defense Authorization Act.

ONVIF is a trademark of Onvif, Inc.

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Specifications

Camera Features	2MP IR PTZ 30x Camera	2MP IR PTZ 40x Camera	5MP IR PTZ 33x Camera
Sensor	Sony 2M 1/2.8" Progressive CMOS		Sony 5M 1/2.8" Progressive CMOS
Active Pixels (HxV)	HD (1920 x 1080)		5M (2592x1944)
Minimum Sensitivity	Day: 0.02 Lux (colour). Night: 0.001 Lux (mono). F1.6, 1/30s shutter		Day: 0.1 Lux (colour). Night: 0.01 Lux (mono). F1.6, 1/30s shutter
Dynamic Range	WDR 120dB		
Gain Control	Auto / Manual setting		
Wide Dynamic Range	Off / Low / Mid / High		
Back Light Compensation	On / Off @ 50/60 Frame Rates only		
White Balance Mode	Auto / ATW / Smart / One Push / Smart Touch / Manual		
Day/Night	True Day / Night with Mechanical IR Cut Filter		
IR Distance	350m		
Video Resolution	1920x1080 (HD); 1280x1024 (1.3MP); 1280x720 (720p); 800x600 (SVGA); 720x480 and 720x576 (D1); 640x480 (VGA); 352x240 and 352x288 (SIF); 320x240 (QVGA)		2592x1944 (5MP); 2560x1440 (4MP); 1920x1080 (HD); 1280x1024 (1.3MP); 1280x720 (720p); 1024x768 (XGA); 800x600 (SVGA); 720x480 and 720x576 (D1); 640x480 (VGA); 352x240 and 352x288 (SIF); 320x240 (QVGA)
Signal/Noise Level	>45dB		
Lens Options	4.3mm - 129mm. Horizontal view angle 59.0° (W) 2.4° (T), Vertical view angle 35.2° (W), 1.4° (T)	4.3mm - 170mm. Horizontal view angle 66.1° (W) 1.8° (T), Vertical view angle 35.2° (W), 1.4° (T)	4.6mm - 152mm. Horizontal view angle 60.0° (W), 1.9° (T), Vertical view angle 46.4° (W), 1.5° (T)
Zoom	30x optical + 10x digital	40x optical + 10x digital	33x optical + 10x digital
Iris Control	Auto with manual override		
Shutter	Rolling; Auto from 1/1.5 - 1/10000 sec, Anti-Flicker, Slow Shutter (1, 1/2, 1/4, 1/8, 1/15, 1/30)		
Exposure Control	Auto Iris / P-Iris / Iris / Auto Shutter / Shutter / Manual		
Image Stablizer	Yes		
Video Compression	Full frame rate, full colour: H.265/H.264/MJPEG ; up to 60fps		
Video Bit Rate	User-configurable bit rates from 64Kbps up to 10Mbps		
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections. Up to four 8Mbps unicast connections; Up to sixteen 1Mbps unicast connections		
Video Multi-Encoder	Up to four simultaneous resolutions including: 1080p (60fps), 1080p (30fps), 720p (30fps), D1 (30fps), SIF (30fps)		Up to four simultaneous resolutions including: 5MP (30fps), 4MP (30fps), 1080p (60fps), 1080p (30fps), 720p (30fps), D1 (30fps), SIF (30fps)
Video Analytics	ACF, Motion Detection, Abandoned Object, Intrusion Detection, Video Tamper, Missing Object, Tripwire		
Audio Compression	G.711Mu/AAC		
Audio Analytics	Audio detection		
Audio Input	Line in		
Audio Output	Line out		
Binary Input/Output	2 input; 1 output		
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, QoS, DHCP, DNS		
Network Security	HTTPS, CyberVigilant®, IEEE 802.1x		
CyberVigilant® Technology	Yes		
Time	Embedded real-time clock, SNTP client		
SD Storage	SD/SDHC/SDXC 128GB support (card not included)*		
Dimension/Weight	207mm (dia) x 300mm (h) and 3.8kg with sunshield		
Regulatory	EN55032, EN50130-4, EN61000-3-2, EN61000-3-3, EN61000-6-4, CFR47 part 15 Subpart B, UL, EN60068-2-6, EN60068-2-64, EN60068-2-27, EN60068-2-1, EN60068-2-2, EN60068-2-30, EN60529, EN62262		
Housing	Aluminium alloy with polycarbonate dome		
Protection Rating	IP 66, IK10 (excluding front lens cover)		
Electrical	UPOE (Compatible with part number 130179). 30V DC, Max 42W. 24V AC, Max 60W.		
Operating Temperature	-40°C to 50°C		
Cold Start	-40°C		
IndigoVision Software Requirements	Control Center v16.0.1 or later		
Supported Internet Browser	Internet Explorer v11.0 or later		
ONVIF	Profile S, G & T		
NDAA	This product is compliant with the National Defense Authorization Act (NDAA). Section 889 of the NDAA prohibits the U.S. government from procuring video and telecommunications equipment from certain Chinese companies and their subsidiaries.		

* SDCard Storage independent of IndigoVision's NVRs.

Specifications

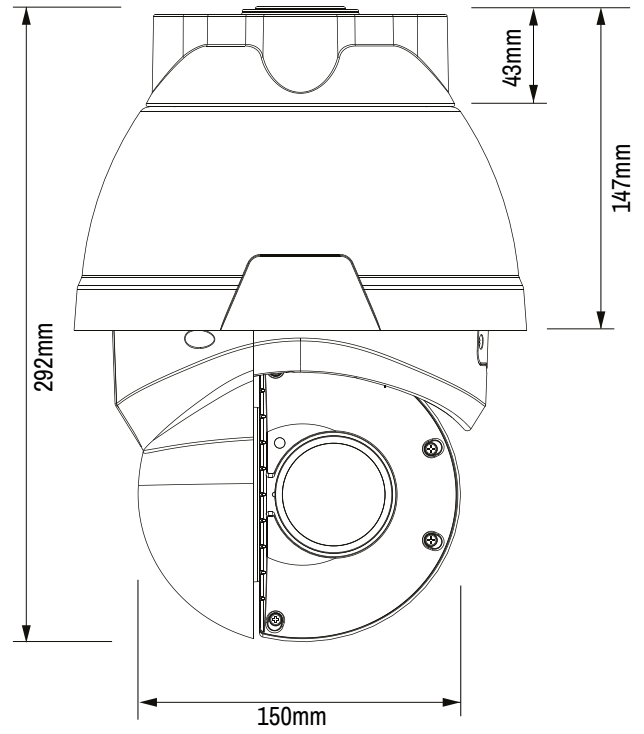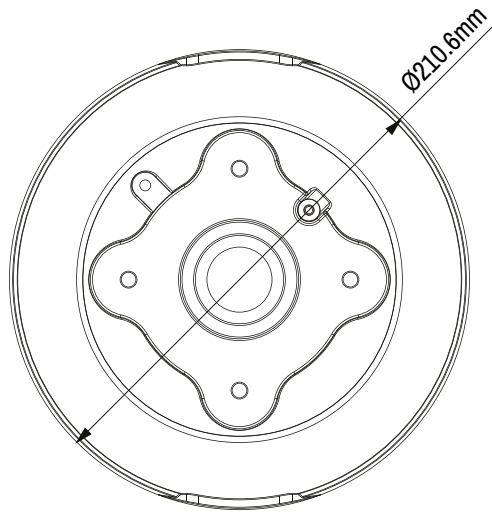| PTZ Control			
Preset	256	Pan Range	360° Continuous Rotation
Preset Accuracy	0.225°	Tilt Range	110° (-20° above horizon)
Preset Tours	8	Pan/Tilt Speed	Pan Speed - 0.1-90°/s. Tilt Speed - 0.1-55°/s
Pattern Mimic Tours	8	Pan/Tilt Warranty	Moving part warranty limited to 5 million Pan and Tilt Operations
Privacy Zones	20 User Defined	Preset Move Speed	300°/s

Cable Features	
Length	1.5m cable supplied. 3m (110173) and 9m (110174) available as accessories
Cable	UL2464
Waterproof Rate	IP67
Temperature Range	-40~70°C (Except Cap)
Materials	All plastic and rubber materials should be UV resistant

Ordering Information

Product Codes	Description
710571	2MP IR PTZ 30x Camera
710570	2MP IR PTZ 40x Camera
712570	5MP IR PTZ 33x Camera

Outline Dimensions

IR PTZ Camera

Ø210.6mm

43mm

147mm

292mm

150mm

Amphenol Cable

70mm

33.3mm

ALTW

Ø11.5mm

7±2mm

100±5mm

3 8 14 19 25
9 15 20 26
4 10 16 21 27 30
1 5 11 22 28 31
2 6 17 23
7 12 18 24 29
13
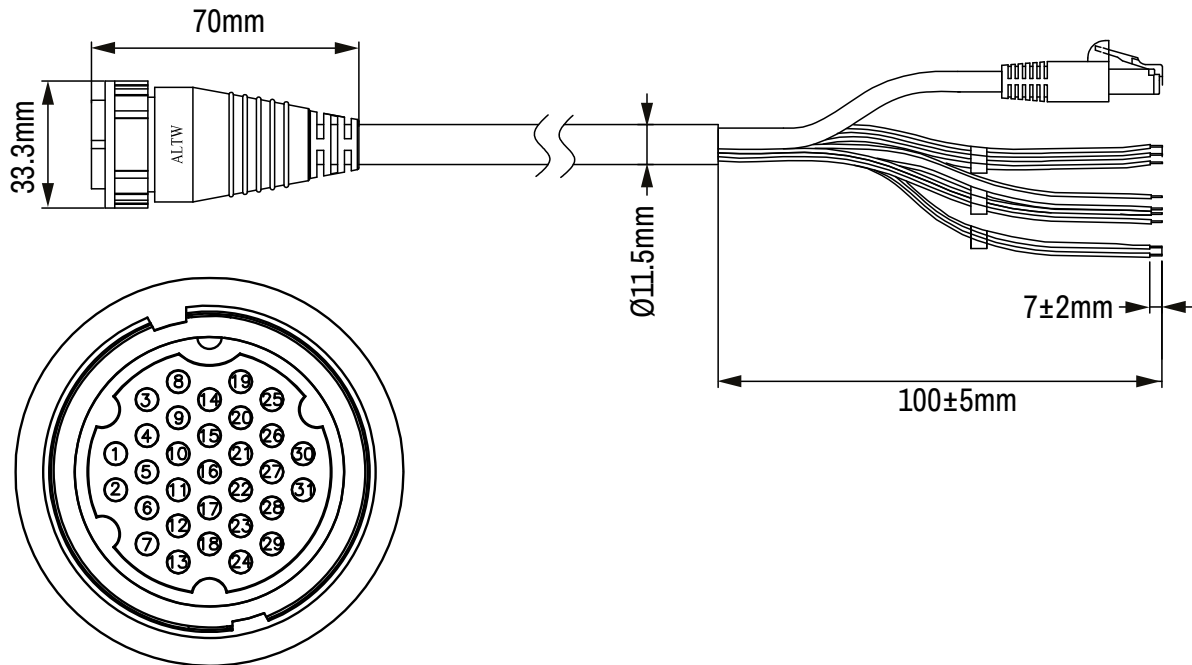
SP Multisensor Camera

Capture every detail in a 360° rotation in Ultra High Resolution

The SP Multisensor camera comes with 4 individually positionable and configurable camera sensors offering 5MP resolution on each sensor. With effective resolution of 20MP, the camera provides excellent image quality to cover large areas. You also get maximum reliability with IndigoVision's Distributed Network Architecture, which removes the requirement for a central server, ensuring you never lose access to live video and benefit from minimal latency.

NEW FOR 2021

Key Features & Benefits

INCREASED RANGE OF SENSOR POSITIONING
The camera features four individually-adjustable camera sensors that can be positioned to monitor virtually any area.

LOW LIGHT TECHNOLOGY
Deliver safety and capture unexceptionably detailed footage even in low-light settings.

IP AND IK RATED
Trust the robustness and reliability of your system with IP66 weather rating and IK08 impact rating for vandal resistance.

INTERCHANGEABLE CAMERA MOUNTS
Modular design. Simple and intuitive to install so that you can be up and running in minutes

ONVIF® COMPLIANT
Built on an open platform to allow integration with other security solutions, so you can expand your existing security system.

5 YEAR WARRANTY
Gain peace of mind with products backed by a 5-year, industry-leading warranty.

WIDE DYNAMIC RANGE
Available in all resolutions, capture details in scenes with both very bright and dark areas, so you can detect suspicious activity in all lighting conditions.

ADAPTIVE INFRARED (IR)
Automatically adjusts IR beam width and exposure settings based on scene conditions to help maximize image quality.

H.265 WITH SMARTCODEC TECHNOLOGY
Reduce costs by maximizing bandwidth utilization and storage consumption without compromising image quality.

AUDIO CAPABILITIES
Available ports for external audio including sirens, microphones and/or loudspeakers for audio talk-down situations.

EXPANDABLE STORAGE
Use our slot for either SD or MicroSD memory card and get video recordings even during network interruptions.

RELAY I/O CONNECTIONS FOR FAST RESPONSE
Configure input actions (such as alarms) that trigger an external relay to perform an action (e.g., turn lights on).

ONVIF is a trademark of Onvif, Inc.

Specifications

Image Performance (per image sensor)

Sensor	1/2.8" Progressive CMOS
Active Pixels	2592 x 1944
Maximum Resolution	10368 × 1944
Aspect Ratio	4:3
IR Illumination - Optional (high power 850 nm LEDs)	30m (98 ft) maximum distance at 0 lux
Minimum Illumination	0.025 lux (F1.2) in color mode 0.005 lux (F1.2) in mono mode 0 lux with optional IR illuminator
Dynamic Range	100 dB, true WDR, dual exposure
3D Noise Reduction Filter	Yes
Image Rate – Analytics Enabled on All Sensors	13 / 13 fps (60 Hz/50Hz)
Image Rate – High Framerate Mode	15 / 14 fps (60 Hz/50Hz)
Lens and Horizontal Field of View	2.8mm f1.2 – 103° Remote focus

Image Control

Image Compression Method	H.264, H.265, Motion JPEG
Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG
Motion Detection	Selectable sensitivity and threshold
Electronic Shutter Control	Automatic, Manual (1/8 to 1/8000 sec)
Iris Control	Fixed
Day/Night Control	Automatic, Manual
Flicker Control	60 Hz, 50 Hz
White Balance	Automatic, Manual
Backlight Compensation	Adjustable
Privacy Zones	Up to 64 zones
Audio Compression Method	G.711 PCM 8 kHz
Audio Input/Output	Line level input and output
External I/O Terminals	Alarm In, Alarm Out

Network

Network	Gigabit Ethernet, 1000BASE-TX
Cabling Type	CAT5E
Connector	RJ-45
API	ONVIF® compliance Profile S and Profile T (www.onvif.org)
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, CyberVigilant
Protocol	IPv4, IPv6, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP,UDP, IGMP, ICMP, DHCP, Zeroconf, ARP
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP
Device Management Protocols	SNMP v2c, SNMP v3

Peripherals

Onboard Storage	MicroSD/microSDHC/microSDXC slot – class 10/UHS-1 or better recommended

Specifications

	In-Ceiling Mount	Surface Mount	Pendant Mount
Mechanical			
Dimension	⌀299 mm × 163 mm (⌀11.77" × 6.42"), below mounting surface: ⌀299 mm × 76 mm (⌀11.77" × 2.99")	⌀299 mm × 115 mm (11.77" × 4.53")	With wall arm: 385 mm × 262 mm × 299 mm (15.15" × 10.30" × 11.77") With NPT adapter: ⌀299 mm × 248 mm (⌀11.77" × 9.76")
Weight	5.2 kg (11.5 lbs)	With IR: 7 kg (15.4 lbs) WIthout IR: 5.8 kg (12.8 lbs)	With wall arm and IR: 8.4 kg (18.5 lbs) With wall arm only: 7.3 kg (16.1 lbs) With NPTA adapter and IR: 7.8 kg (17.2 lbs) WIth NPTA adapter only: 6.7 kg (14.8 lbs)
Body	Aluminum, Plastic dome trim	Aluminum	Aluminum
Finish	Plastic, cool grey	Powder coat, cool grey	Powder coat, cool grey
Environmental	Not applicable	IK10 Impact Rating and IP66 Weather Rating	
Optional IR Illuminator Ring	Not applicable	Optional accessory, 30m (98 ft) IR range	

Per Sensor	
Tilt	+7° to 96° from horizon
Pan	+/-120° (depending on position of image sensors)
Azimuth	+/-180°

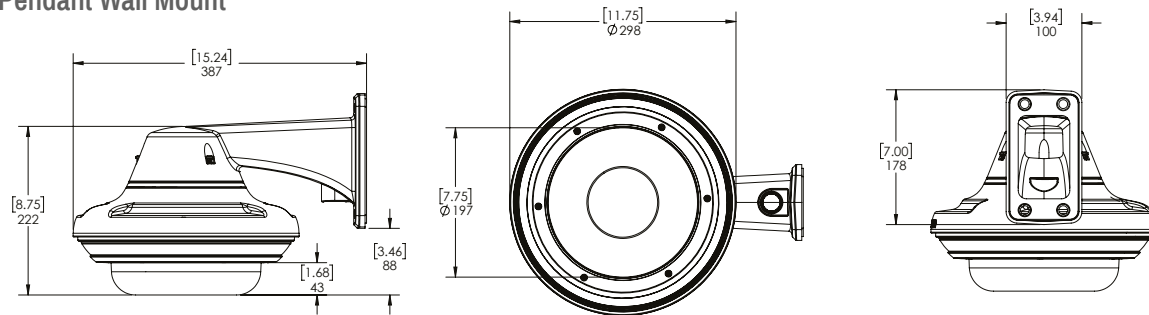|	In-Ceiling Mount	Surface Mount	Pendant Mount
Electrical			
Power Consumption	26 W with 24 VDC 37 VA with 24 VAC POE+	With IR: 52 W with 24 VDC 74 VA with 24 VAC POE++ or 60W POE* Without IR: 26 W with 24 VDC 37 VA with 24 VAC POE+	With IR: 52 W with 24 VDC 74 VA with 24 VAC POE++ or 60W POE* Without IR: 26 W with 24 VDC 37 VA with 24 VAC POE+
External Power	24 VDC ± 10%; 24 VAC rms ± 10%, 50 or 60Hz		
PoE*	25.5W PoE+, IEEE 802.3at Type 2 PoE Plus	With IR: High Power 51W PoE++* Without IR: 25.5W PoE+, IEEE 802.3at Type 2 PoE Plus	

* High power PoE may not be compatible with all switches or injectors. High power PoE is compatible with Cisco® UPoE, up to 60 W over 4 pairs, or with the high PoE products listed in the Accessories section.

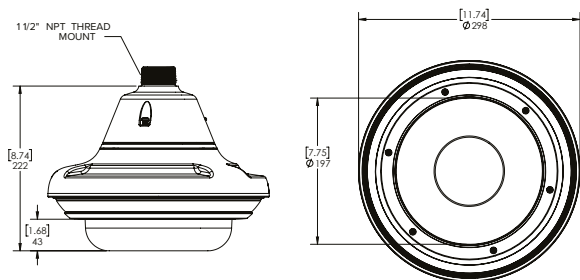|	In-Ceiling Mount	Surface Mount
Environmental		
Operating Termperature Range	-10 °C (14 °F) to 50 °C (122 °F)	-40 °C (-40 °F) to 60 °C (140 °F)
Storage Temperature	-10 °C to 70 °C (14 °F to 158 °F)	
Humidity	0-95% non-condensing	

	In-Ceiling Mount	Surface Mount
Certifications		
Certifications	UL, cUL, CE, ROHS, WEEE, RCM, EAC, BIS, KC	
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1	
Environmental	UL 2043 Plenum	UL/CSA/IEC 60950-22 IEC 60529 IP66 Rating, IK10 Impact Rating, IEC 60068-2-6 IEC 60068-2-27 Vibration and Shock
Electromagnetic Emissions	FCC Part 15 Subpart B Class B, IC ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3, EN 50121-4 (when used with AUX-FERR-TRKSID on aux power)	
Electromagnetic Immunity	EN 55035, EN 61000-6-1	
Directives	RoHS, Reach (SVHC), WEEE	

Outline Dimensions

Pendant Wall Mount

[15.24] 387

[8.75] 222

[3.46] 88

[1.68] 43

[11.75] Ø 298

[7.75] Ø 197

[3.94] 100

[7.00] 178

Pendant NPT Mount

1 1/2" NPT THREAD MOUNT

[8.74] 222

[1.68] 43

[11.74] Ø 298

[7.75] Ø 197

Surface Mount

[11.24] Ø 286

[7.75] Ø 197

[4.38] 111

[1.73] 44

In-Ceiling Mount

[11.73] Ø 298

[7.75] Ø 197

[10.23] 260

[3.82] 97

[1.68] 43

[2.50] 63

Metal Ceiling Panel

[16] 4

0

[.33] 9

[23.79] 604

[23.02] 585

[23.79] 604

[23.02] 585

[10.55] Ø 268
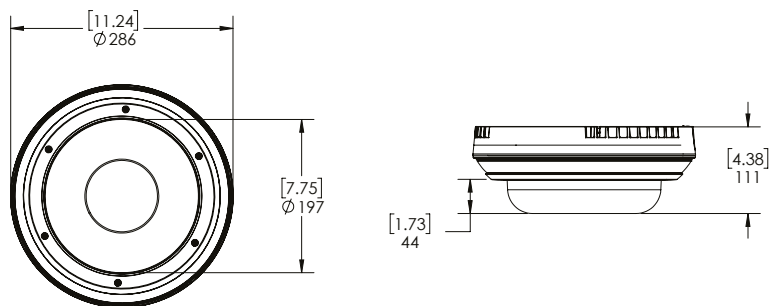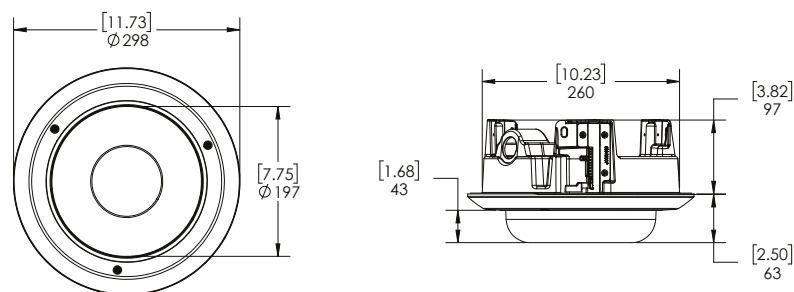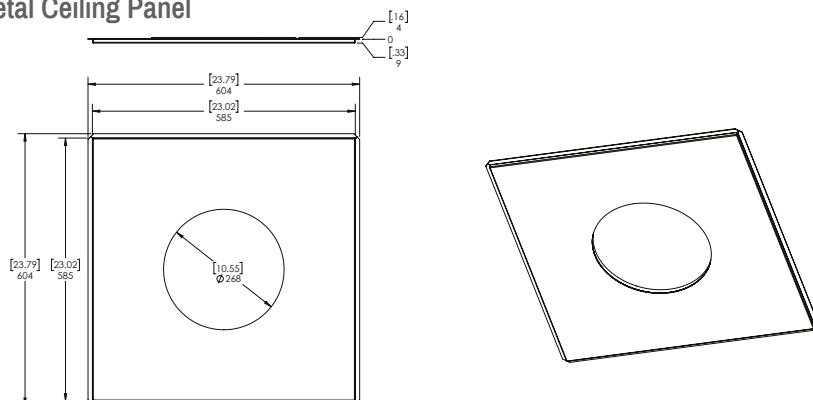
[X.X]	INCHES
X	MM

Ordering Information

The variety of mounting options for the SP Multisensor provides maximum flexibility. The camera module can be used in any of the mounting options.

Mounting Scenario	Ordering Information
PENDANT WALL MOUNT 	Order one of: • Camera module (SP-20MP-MS-360) • MS-AD-PEND • MS-DO-COVR-CLR or MS-DO-COVR-SMK • MS-IRPTZ-WALL-MNT • Optional, MS-AD-IRIL
PENDANT NPT MOUNT 	Order one of: • Camera module (SP-20MP-MS-360) • MS-AD-PEND • MS-DO-COVR-CLR or MS-DO-COVR-SMK • MS-IRPTZ-NPTA-MNT • Optional, MS-AD-IRIL
SURFACE MOUNT 	Order one of: • Camera module (SP-20MP-MS-360) • MS-AD-DOME • MS-DO-COVR-CLR or MS-DO-COVR-SMK • Optional, MS-AD-IRIL
IN-CEILING MOUNT 	Order one of: • Camera module (SP-20MP-MS-360) • MS-AD-CEIL • MS-DC-COVR-CLR or MS-DC-COVR-SMK • Optional, MS-DC-CPNL if ceiling panel needed

Display Part Number	Product Code	Description
SP-20MP-MS-360	754980	SP Multisensor, Camera Module Only

Mounting Adapters and Dome Covers

The SP Multisensor modular design provides pendant, surface, or in ceiling mounting adapters and a choice of two dome compatible covers per mounting option.

Display Part Number	Product Code	Description
MS-AD-DOME	150251	Outdoor surface mount adapter, must order either a MS-DO-COVR-CLR or MS-DO-COVR-SMK.
MS-AD-PEND	150252	Outdoor pendant mount adapter, must order one of MS-IRPTZ-WALL-MNT or MS-IRPTZ-NPTA-MNT and one of MS-DO-COVR-CLR or MS-DO-COVR-SMK.
MS-IRPTZ-WALL-MNT	150500	Pendant wall arm adapter, for use with MS-AD-PEND.
MS-IRPTZ-NPTA-MNT	150501	Pendant NPT adapter for use with MS-AD-PEND.
POLE-MNT	150506	Aluminum pole mounting bracket.
CRNR-MNT	150507	Aluminum corner mounting bracket.
MS-AD-CEIL	150253	In-ceiling adapter, must order either a MS-DC-COVR-CLR or MS-DC-COVR-SMK.
MS-DO-COVR-CLR	150400	Dome bubble and cover, for outdoor surface mount or pendant mount, clear.
MS-DO-COVR-SMK	150401	Dome bubble and cover, for outdoor surface mount or pendant mount, smoked. Not recommended for lowlight applications.
MS-DC-COVR-CLR	150403	Dome bubble and cover, for in-ceiling mount, clear.
MS-DC-COVR-SMK	150402	Dome bubble and cover, for in-ceiling mount, smoked. Not recommended for lowlight applications.
MS-DC-CPNL	150258	Metal ceiling panel.

Ordering Information

Optional IR Illuminator

The optional IR Illuminator is available for the SP Multisensor when mounted in a pendant or surface mount adapter.

Display Part Number	Product Code	Description
MS-AD-IRIL	150250	Optional IR illuminator ring, up to 30m (98ft), for use with MS-DO-COVR-CLR.

Optional Injectors

Display Part Number	Product Code	Description
POE-60	150101	Indoor single port Gigabit PoE++ 60W, Region specific power cord included. Temperature range of the PoE injector is -10 °C to +45 °C (14 °F to 113 °F).
POE-30	150100	Indoor single port POE+ injector. Injector operational temperature range -20°C to +40°C (-4°F to 104°F).

Miscellaneous Accessories

Display Part Number	Product Code	Description
AUX-FERR-TRKSID	150550	Ferrite clamp for use with aux power cable when meeting EN 50121-4 requirements. Pack of 5.

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

IndigoVision®
a Motorola Solutions Company

SP Thermal Cameras

Capture every detail with industry-leading thermal technology

The SP Thermal Camera is the perfect solution for low light, long range thermal applications. You also get maximum reliability with IndigoVision's Distributed Network Architecture, which removes the requirement for a central server, ensuring you never lose access to live video and benefit from minimal latency. The SP Thermal Camera delivers a different dimension of safety when combined with IndigoVision's Control Center.

Key Features & Benefits

ONVIF® COMPLIANT
Built on an open platform to allow integration with other security solutions, so you can expand your existing security system.

SMARTCODEC TECHNOLOGY
Reduce costs by maximizing bandwidth utilization and storage consumption without compromising image quality.

EXPANDABLE STORAGE
Use our slot for either SD or MicroSD memory card and get video recordings even during network interruptions.

IP AND IK RATED
Trust the robustness and reliability of your system with IP66/7 weather rating and IK10 impact rating for vandal resistance.

5 YEAR WARRANTY
Gain peace of mind with products backed by a 5-year, industry-leading warranty.

MULTIPLE LENS OPTIONS
Choose from various lens options, which allow human detection at distances of up to 310 meters.

RELAY I/O CONNECTIONS FOR FAST RESPONSE
Configure input actions (such as alarms) that trigger an external relay to perform an action (e.g., turn lights on).

AUDIO CAPABILITIES
Available ports for external audio including sirens, microphones and/or loudspeakers for audio talk-down situations.

NDAA COMPLIANT
Approach US government with confidence, knowing our cameras comply with the National Defense Authorization Act.

ONVIF is a trademark of Onvif, Inc.

Specifications

Image Performance	QVGA	VGA
Sensor	320x256 Uncooled VOx Microbolometer	640x512 Uncooled VOx Microbolometer
Pixel Pitch	12μm	
Spectral Range	8μm to 14μm	
Aspect Ratio	5:4	
Imaging Rate	8.6 fps	
Dynamic Range	-40 °C to 225 °C (-40 °F to 437 °F) [may vary based on operating temperature]	
Resolution Scaling	320x256, can be scaled up to 640x512	640x512, can be scaled down to 320x256
3D Noise Reduction Filter	Yes	
Sensitivity	NETD <60mK	
Image Uniformity Optimization	Automatic Flat Field Correction (FFC) - Thermal and Temporal	

Lens						
Lens	4.3 mm, F1.0, Athermalized	9.1 mm, F1.0, Athermalized	18.0 mm, F1.0, Athermalized	8.7 mm, F1.0, Athermalized	18.0 mm, F1.0, Athermalized	36.0 mm, F1.0, Athermalized
Angle of View (H x V)	45.9° x 36.5°	21.6° x 17.0°	10.8° x 8.4°	50.7° x 40.4°	24.3° x 19.3°	12.2° x 9.7°

Image Control		
Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JPEG	
Streaming	Multi-stream H.264 & MJPEG	
Bandwidth Management	Idle Scene Mode, SmartCodec Technology	
Motion Detection	Pixel and Classified Objects	
Tamper Detection	Yes	N/A
Privacy Zones	Up to 64 zones	
Audio Compression Method	G.711 PCM 8kHz	

Network		
Network	100BASE-TX, RJ45 Connector, CAT5 Cabling	
ONVIF	ONVIF® compliant with Profile S and Profile T (www.onvif.org)	ONVIF® compliant with Profile S (www.onvif.org)
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, CyberVigilant	
Protocol	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP	
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP	
Device Management Protocols	SNMP v2c, SNMP v3	

Peripherals	
Onboard Storage	SD/SDHC/SDXC slot – minimum class 4; class 6 or better recommended
External I/O Terminals	Alarm In, Alarm Out
Audio Input/Output	Line level input and output

Mechanical (Dome)			
Dimensions (LxWxH)	335 mm x 126 mm x 91 mm; 13.18" x 4.97" x 3.58" (including mounting bracket and fully extended sunshield overhang)		
Weight	Camera	1.72 kg (3.79 lbs)	1.92 kg (4.23 lbs)
	Mounting Bracket	0.21 kg (0.46 lbs)	
Body		Aluminium	
Housing		Surface mount, tamper resistant	
Finish		Powder coat, RAL 9003	
Adjustment Range		±175° pan, ±90° tilt, ±175° azimuth	

Electrical		
Power Consumption	8W	9W
Power Source	VDC: 12V +/- 10%, 8W min. VAC: 24V +/- 10%, 15VA min. PoE: IEEE802.3af Class 3 compliant	VDC: 12V +/- 10%, 9W min. VAC: 24V +/- 10%, 15VA min. PoE: IEEE802.3af Class 3 compliant
RTC Backup Battery	3V manganese lithium	

Specifications

Environmental	
Operating Temperature	-40 °C to +65 °C (-40 °F to 149 °F)
Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)
Humidity	0 - 93% non-condensing

Certifications		
Certifications/ Directives	UL, cUL, CE, ROHS, Reach (SVHC), WEEE, RCM, EAC	UL, cUL, CE, ROHS, Reach (SVHC), WEEE, RCM, EAC
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1	
Environmental	UL/CSA/IEC 60950-22, IEC 60529 IP66 Weather Rating, IK10 Impact Rating (including window)	UL/CSA/IEC 60950-22, IEC 60529 IP66 and IP67 Weather Rating, IK10 Impact Rating (enclosure only)
Electromagnetic Emissions	FCC Part 15 Subpart B Class B, IC ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3	
Electromagnetic Immunity	EN 55035, EN 61000-6-1, EN 50130-4	EN 55035, EN 61000-6-1

Lens	Resolution	Viewing Angle (H x V)	Human	Vehicle
4.3 mm	320 x 256	45.9° x 36.5°	68m (224')	80m (263')
9.1 mm	320 x 256	21.6° x 17.0°	150m (493')	160m (525')
18 mm	320 x 256	10.8° x 8.4°	220m (722')	225m (739')
8.7 mm	640 x 512	50.7° x 40.4°	120m (394')	142m (466')
18 mm	640 x 512	24.3° x 19.3°	210m (689')	225m (739')
36 mm	640 x 512	12.2° x 9.7°	310m (1017')	319m (1047')

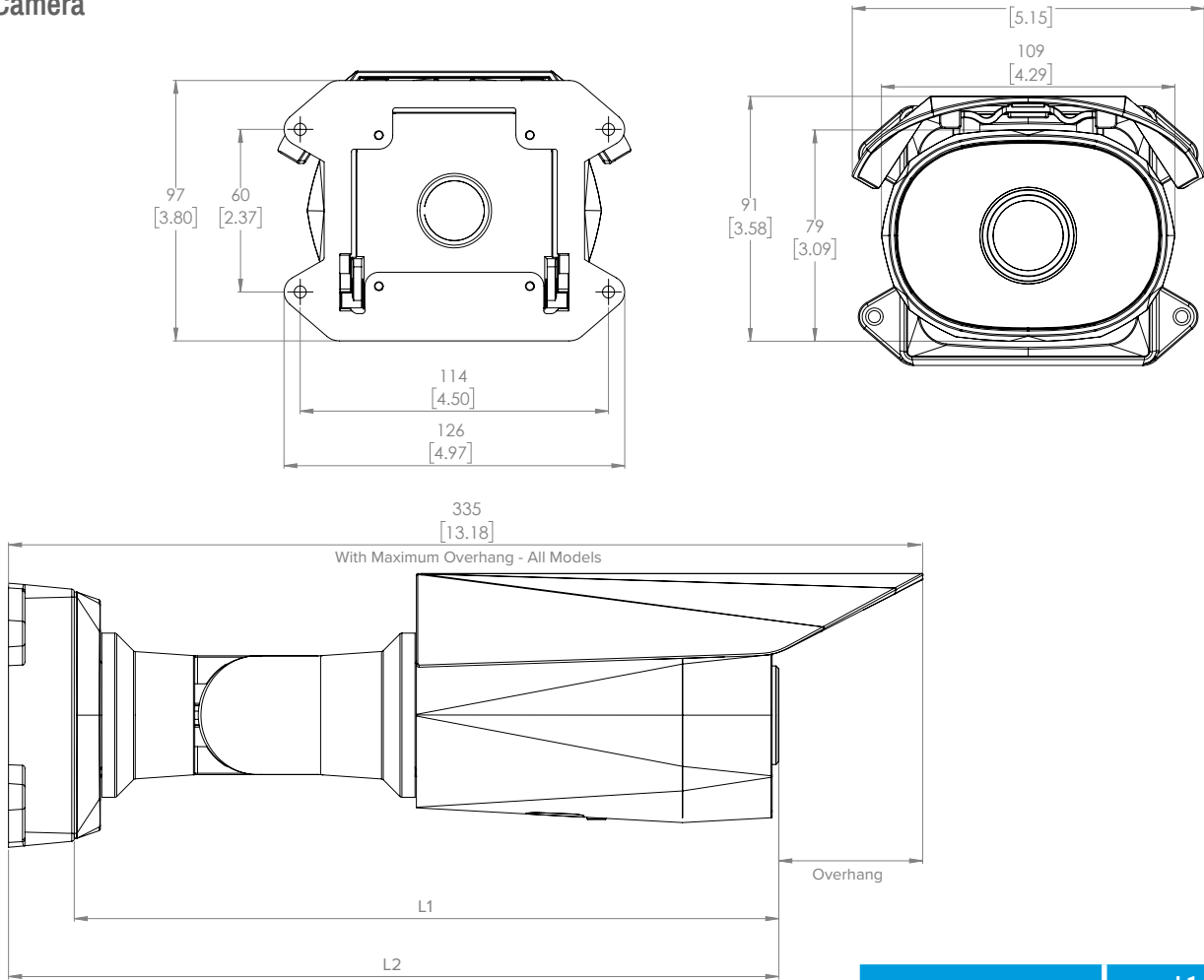The detection ranges may vary in different weather conditions.

Ordering Information

Model	Product Code	Resolution	NETD	Lens	SmartCodec
SP-320-BO-4	759683	320 x 256	< 60 mK	4.3 mm	✓
SP-320-BO-9	759684	320 x 256	< 60 mK	9.1 mm	✓
SP-320-BO-18	759685	320 x 256	< 60 mK	18 mm	✓
SP-640-BO-9	759680	640 x 512	< 60 mK	8.7 mm	✓
SP-640-BO-18	759681	640 x 512	< 60 mK	18 mm	✓
SP-640-BO-36	759682	640 x 512	< 60 mK	36 mm	✓

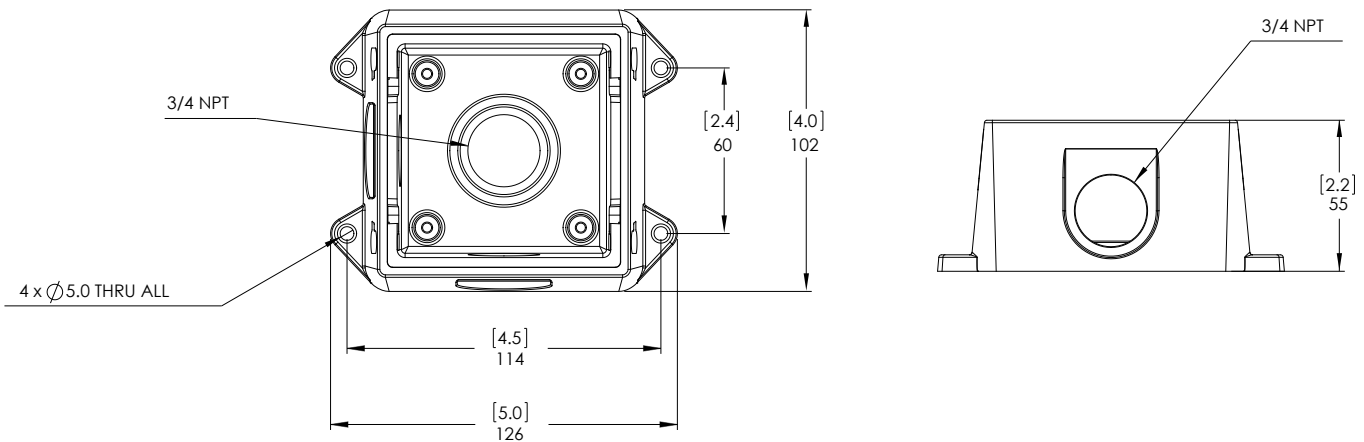| Display Part Number	Product Code	Description
BO-JCT-BOX	150300	Junction box for bullet cameras
POLE-MNT	150506	Aluminum pole mounting bracket
CRNR-MNT	150507	Aluminum corner mounting bracket

Outline Dimensions

Camera

97 [3.80]
60 [2.37]
114 [4.50]
126 [4.97]

[5.15]
109 [4.29]
91 [3.58]
79 [3.09]

335 [13.18]
With Maximum Overhang - All Models

Overhang

L1

L2

	L1	L2
SP-640-BO-36	276 mm (10.87")	300 mm (11.81")
All other models	257 mm (10.14")	281 mm (11.08")

Junction Box

3/4 NPT

4 x ⌀5.0 THRU ALL

[2.4] 60
[4.0] 102

[4.5] 114

[5.0] 126

3/4 NPT

[2.2] 55

![IndigoVision - a Motorola Solutions Company]

HD Ultra X Bullet Camera

Capture every detail with ultra-high resolution

With best in class performance, the IndigoVision HD Ultra X Bullet Camera delivers rich, Full HD video and image clarity, in all lighting conditions. IndigoVision's SMART.core™ technology gives highly optimised H.265 compression and ACF, reducing storage costs by up to 95%.

Key Features

SENSOR

HD | Day/Night | Low Light | WDR

COMPRESSION

H.265 | H.264 | UP TO 30fps | AAC | G.711

INTELLIGENCE

ACF | Motion Detection

OTHER

DNA | PoE | ONVIF | CyberVigilant® | NDAA

PHYSICAL

Outdoor | IK10 | Low Temp | High Temp | IR
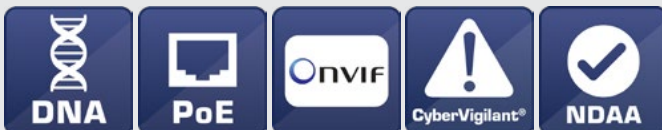
Product Codes

UX3625 HD Ultra X Bullet Cameras	Product Codes
HD Ultra X Vandal-Resistant IR Bullet Camera, Standard Lens	710640
HD Ultra X Vandal-Resistant IR Bullet Camera, Telephoto Lens	710641

Dimensions

272mm / 10.71in
95.0mm / 3.74in

View on Side Face

97.5mm / 3.84in
102mm / 4.02in
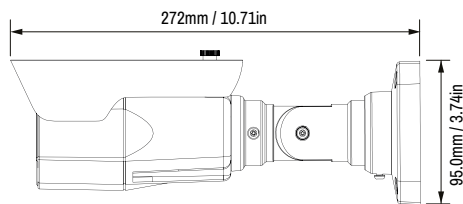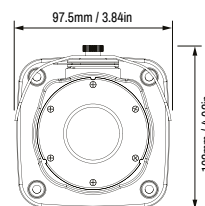
Hole Mounting Pattern

Specification

Camera Features	Standard	Telephoto
Sensor	1/2.8" Progressive CMOS	
Active Pixels (HxV)	HD (1920x1080)	
Minimum Sensitivity	Day: 0.02 Lux (colour). Night: 0 Lux (IR on) Std: 30 IRE, F1.4, 1/30s shutter Tele: 30 IRE, F1.6, 1/30s shutter	
Dynamic Range	WDR 120dB Max	
Gain Control	Auto/Manual	
Wide Dynamic Range	On/Off	
White Balance Mode	Auto/2800K/4000K/5000K/6500K/7500K/Fluorescent/Fluorescent_H/Underwater/Manual	
Day/Night	True Day/Night with Mechanical IR Cut Filter	
IR Illuminator	Built-in IR Illuminator 850nm wavelength, effective distance >35m	
Video Resolution	1920x1080 pixels(HD); 1280x720 pixels (720p); 800x600 (SVGA); 704x576 pixels and 704x480 (D1); 352x288 pixels and 352x240 pixels (SIF)	
Signal/Noise Level	50dB	
Lens Options	2.8mm - 12mm, Horizontal view angle 96° (W) 35° (T), F1.4, Vari-focal, Remote Zoom/Focus	6mm – 50mm Horizontal view angle 44.8° (W) 6.7° (T), F1.6, Vari-focal, Remote Zoom/Focus
Zoom	4x optical	8x optical
Iris Control	P-Iris	
Shutter	Rolling; Auto from 1/3 - 1/32,000 sec, Anti-Flicker, Slow Shutter (1/2,1/3,1/5,1/6,1/7.5,1/10)	
Exposure Control	Auto/Manual	
Video Compression	Full frame rate, full colour: H.265/H.264/MJPEG ; up to 30fps	
Video Bit Rate	User-configurable bit rates from 100Kbps up to 10Mbps	
Privacy Zones	16 User Defined	
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections. Up to eight 4Mbps unicast connections; Up to sixteen 1Mbps unicast connections	
Video Multi-Encoder	Up to two simultaneous resolutions with guaranteed frame rate including: 1080p (30fps), 720p (30fps), D1 (30fps), SIF (30fps)	
Video Analytics	ACF, Motion Detection	
Audio Compression	G.711Mu/AAC	
Audio Bit Rate	64Kbps per channel	
Audio Encoder	1 Stream Configuration for Main and Sub streams	
Audio Resolution	Full Duplex, G.711: 8kHz, AAC: 8kHz, 16kHz & 48kHz. Mono input, Mono Output	
Audio Input	Line in, RCA connector	
Audio Output	Line out, RCA connector	
Binary Input/Output	1 input; 1 output	
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, IPv4, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, DHCP	
Network Security	HTTPS, CyberVigilant®, IEEE 802.1x	
CyberVigilant® Technology	Yes	
Time	Embedded real-time clock, SNTP client	
SD Storage	microSDXC 128GB support (card not included)*	
Dimension/Weight	272mm (d) x 97.5mm (w) x 102mm (h) and 1.1Kg (with sun shade) / 10.7in (d) x 3.84in (w) x 4.02in (h) and 2.43lb	
Regulatory	EN55032, EN50130-4 , EN55035, EN61000-3-2, EN61000-3-3, CFR47 part 15 Subpart B, UL60950-1, EN60068-2-6, EN60068-2-64, EN60068-2-27, EN60068-2-1, EN60068-2-2, EN60068-2-30, EN60529, EN62262	
Housing	Diecast aluminium alloy with polycarbonate sunshade	
Protection Rating	IP66, IK10	
Electrical	Camera including heater: PoE (802.3af Class 3) or 12v DC @ 0.8A; 9.1W Power supply ordered separately (Product code: 110068/130176)	
Operating Temperature	-40°C to 50°C / -40°F to 122°F	
Cold Start	-40°C / -40°F	
IndigoVision Software Requirements	Control Center v16.0.1 or later	
Supported Internet Browsers	Internet Explorer v11.0 or above	
ONVIF	Profile S	
NDAA	This product is compliant with the National Defense Authorization Act (NDAA). Section 889 of the NDAA prohibits the U.S. government from procuring video and telecommunications equipment from certain Chinese companies and their subsidiaries.	

* SDCard Storage independent of IndigoVision's NVRs.

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.
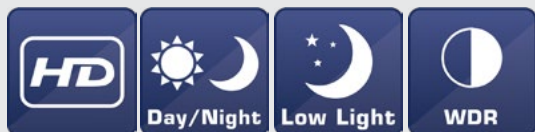
RUX-HD_BULLET 20.0 JUN 20

HD Ultra X Minidome Camera

Capture every detail with ultra-high resolution

With best in class performance, the IndigoVision HD Ultra X Minidome Camera delivers rich, Full HD video and image clarity, in all lighting conditions. IndigoVision's SMART.core™ technology gives highly optimised H.265 compression and ACF, reducing storage costs by up to 95%.
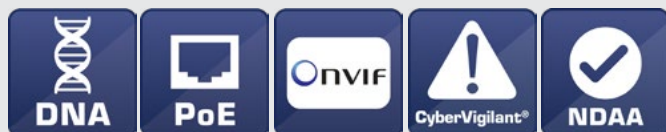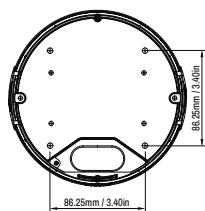
Key Features

SENSOR

| HD | Day/Night | Low Light | WDR |

COMPRESSION

| H.265 | H.264 | UP TO 30fps | AAC | G.711 |

INTELLIGENCE

| ACF | Motion Detection |

OTHER

| DNA | PoE | Onvif | CyberVigilant® | NDAA |

PHYSICAL

| Outdoor | IK10 | Low Temp | High Temp | IR |

Product Codes

UX3420 HD Ultra X Minidome Cameras	Product Codes
HD Ultra X Internal Minidome, Standard Lens	710420
HD Ultra X Internal Minidome, Telephoto Lens	710421
HD Ultra X Vandal Resistant Minidome, Standard Lens	710462
HD Ultra X Vandal Resistant Minidome, Telephoto Lens	710463

Dimensions: Internal

Hole Mounting Pattern

86.25mm / 3.40in
86.25mm / 3.40in

Bubble Dia. 107mm / 4.21in
53.5mm / 2.10in
114mm / 4.49in
Side Cable Entry Removable Blank
Ring Dia. 159.5mm / 6.28in
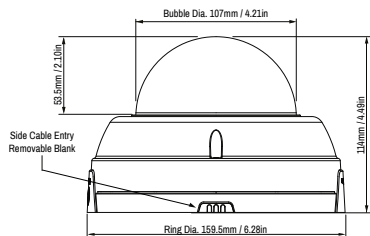
View on Side Face

Dimensions: Vandal Resistant

Hole Mounting Pattern

86.25mm / 3.40in
86.25mm / 3.40in

Bubble Dia. 107mm / 4.21in
53.5mm / 2.10in
114mm / 4.49in
3/4" NPT (Side)
Ring Dia. 171.5mm / 6.75in

View on Side Face

Specification

Camera Features	Standard Lens	Telephoto Lens
Sensor	1/2.8" Progressive CMOS	
Active Pixels (HxV)	HD (1920x1080)	
Minimum Sensitivity	Day: 0.02 Lux (colour). Night: 0 Lux (IR on). 30IRE, F1.4, 1/30s shutter	
Dynamic Range	WDR 120dB Max	
Gain Control	Auto/Manual	
Wide Dynamic Range	On/Off	
White Balance Mode	Auto/2800K/4000K/5000K/6500K/7500K/Fluorescent/Fluorescent_H/Underwater/Manual	
Day/Night	True Day/Night with Mechanical IR Cut Filter	
IR Illuminator	Built-in IR Illuminator 850nm wavelength, effective distance >25m	
Video Resolution	1920x1080 pixels(HD); 1280x720 pixels (720p); 800x600 (SVGA); 704x576 pixels and 704x480 (D1); 352x288 pixels and 352x240 pixels (SIF)	
Signal/Noise Level	50dB	
Lens Options	2.8mm - 12mm, Horizontal view angle 96° (W) 35° (T), F1.4, Vari-focal, Remote Zoom/Focus	7mm - 22mm, Horizontal view angle 40° (W) 18° (T), F1.4, Vari-focal, Remote Zoom/Focus
Zoom	4x optical	3x optical
Iris Control	P-Iris	
Shutter	Rolling; Auto from 1/15 - 1/32,000 sec, Anti-Flicker, Slow Shutter (1/2,1/3,1/5,1/6,1/7.5,1/10)	
Exposure Control	Auto/Manual	
Gimbal Adjustment	3 axis adjustment	
Video Compression	Full frame rate, full colour: H.265/H.264/MJPEG; up to 30fps	
Video Bit Rate	User-configurable bit rates from 100Kbps up to 10Mbps	
Privacy Zones	16 User Defined	
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections. Up to eight 4Mbps unicast connections; Up to sixteen 1Mbps unicast connections	
Video Multi-Encoder	Up to two simultaneous resolutions with guaranteed frame rate including: up to 1080p (30fps), 720p (30fps), D1 (30fps), SIF (30fps)	
Video Analytics	ACF, Motion Detection	
Audio Compression	G.711Mu/AAC	
Audio Bit Rate	64Kbps per channel	
Audio Encoder	1 Stream Configuration for Main and Sub streams	
Audio Resolution	Full Duplex, G.711: 8kHz, AAC: 8kHz, 16kHz & 48kHz. Mono input, Mono Output	
Audio Input	Line in, terminal block connector	
Audio Output	Line out, terminal block connector	
Binary Input/Output	1 input; 1 output	
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, IPv4, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, DHCP	
Network Security	HTTPS, CyberVigilant®, IEEE 802.1x	
CyberVigilant® Technology	Yes	
Time	Embedded real-time clock, SNTP client	
SD Storage	microSDXC upto 128GB support (card not included)*	
Dimension/Weight	Internal: 159.5mm (dia) x 114mm (h) and 0.85Kg / 6.28in (dia) x 4.49in (h) and 1.87lb Vandal Resistant: 171.5mm (dia) x 114mm (h) and 1.1Kg / 6.75in (dia) x 4.49in (h) and 2.43lb	
Regulatory	EN55032, EN50130-4 , EN55035, EN61000-3-2, EN61000-3-3, CFR47 part 15 Subpart B, UL60950-1, EN60068-2-6, EN60068-2-64, EN60068-2-27, EN60068-2-1, EN60068-2-2, EN60068-2-30, EN60529, EN62262	
Housing	Internal: Polycarbonate/ABS with polycarbonate dome Vandal Resistant: Diecast aluminium alloy with polycarbonate dome	
Protection Rating	Internal: N/A Vandal Resistant: IP66, IK10	
Electrical	PoE (802.3af Class 3) or 12V DC @ 0.63A; 7.6W Max Power supply ordered separately (Product code: 110068/130176)	
Operating Temperature	Internal: -10°C to 50°C / 14°F to 122°F Vandal Resistant: -40°C to 50°C / -40°F to 122°F	
Cold Start	Internal: -10°C / 14°F Vandal Resistant: -40°C / -40°F	
IndigoVision Software Requirements	Control Center v16.0.1 or later	
Supported Internet Browsers	Internet Explorer v11.0 or later	
ONVIF	Profile S	
NDAA	This product is compliant with the National Defense Authorization Act (NDAA). Section 889 of the NDAA prohibits the U.S. government from procuring video and telecommunications equipment from certain Chinese companies and their subsidiaries.	

* SDCard Storage independent of IndigoVision's NVRs

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: RUX-HD_MINI 20.1 JUL 20

IndigoVision®
a Motorola Solutions Company

40x Optical

HD Ultra X PTZ Dome Camera

Capture every detail with ultra-high resolution

With best in class performance, the IndigoVision HD Ultra X PTZ Dome Camera delivers rich, Full HD video and image clarity, in all lighting conditions. Image stabilisation and ultra-low PTZ latency gives smoother operator viewing and control. IndigoVision's SMART.core™ technology gives highly optimised H.265 compression and ACF, reducing storage costs by up to 95%.
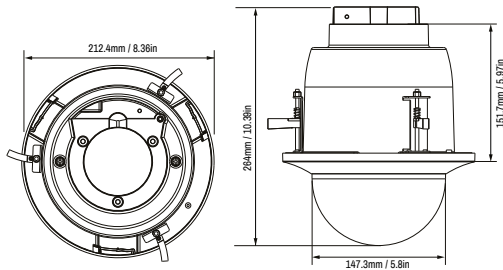
Key Features

SENSOR

HD | Day/Night | Low Light | WDR

COMPRESSION

H.265 | H.264 | UP TO 60fps | G.711 | AAC

INTELLIGENCE

ACF | Motion Detection

OTHER

DNA | PoE+ | Onvif | CyberVigilant® | NDAA

PHYSICAL

Outdoor | IK10 | Low Temp | High Temp | In-Ceiling

Product Codes

UX3520 HD Ultra X PTZ Dome Cameras	Product Code
HD Ultra X In-Ceiling PTZ, 40x	710510
HD Ultra X Pendant PTZ, 40x	710561

Dimensions: In-Ceiling PTZ

212.4mm / 8.36in

284mm / 10.39in

151.7mm / 5.97in

147.3mm / 5.8in

View on Top Face

View on Side Face

Dimensions: Pendant PTZ

Ø213.6mm / 8.41in

43.1mm / 1.7in

125mm / 4.92in

270.8mm / 10.66in

Ø 156.8mm / 6.17in
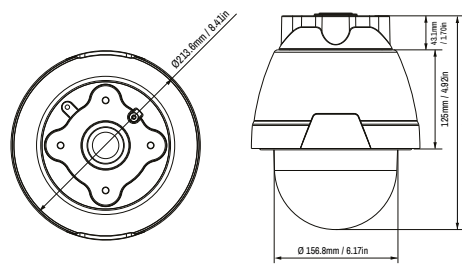
View on Top Face

View on Side Face

Amphenol Cable

70mm/2.76in

17.53in

Ø11.5mm / 0.45in

7±2mm / 0.28±0.08in

100±5mm / 3.94±0.2in
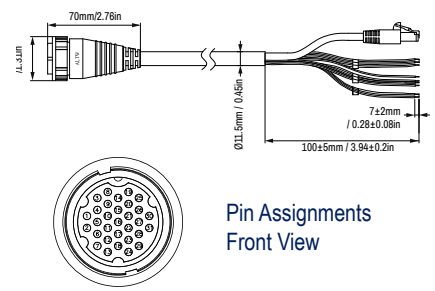
Pin Assignments
Front View

Specification

Camera Features	In-Ceiling	Pendant
Sensor	Sony 2M 1/2.8" Progressive CMOS	
Active Pixels (HxV)	HD (1920 x 1080)	
Minimum Sensitivity	Day: 0.02 Lux (colour). Night: 0.001 Lux (mono). F1.6, 1/30s shutter	
Dynamic Range	WDR 120dB	
Gain Control	Auto/Manual setting	
Wide Dynamic Range	Off/Low/Mid/High	
Back Light Compensation	On/Off @ 50/60 Frame Rates only	
White Balance Mode	Auto/Manual/ATW/One Push	
Day/Night	True Day/Night with mechanical IR Cut filter	
Video Resolution	1920x1080 pixels (HD); 1280x1024 pixels (1.3MP); 1280x720 pixels (720p); 1024x768 (XGA); 800x600 (SVGA); 720x480 and 720x576 (D1); 640x480 (VGA); 352x240 and 352x288 (SIF); 320x240 (QVGA)	
Signal/Noise Level	>50dB	
Lens Options	4.3mm - 170mm Horizontal view angle 67.0°(W) 2.0° (T), Auto focus with manual overide	
Zoom	40x optical + 10x digital	
Iris Control	Auto with manual overide	
Shutter	Rolling; Auto from 1/1.5 - 1/10000 sec, Anti-Flicker, Slow Shutter (1, 1/2, 1/4, 1/8, 1/15, 1/30)	
Exposure Control	Auto Iris/P-Iris/Iris/Auto Shutter/Shutter/Manual	
Image Stablizer	Yes	
Video Compression	Full frame rate, full colour: H.265/H.264/MJPEG ; up to 60fps	
Video Bit Rate	User-configurable bit rates from 64Kbps up to 10Mbps	
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections. Up to eight 4Mbps unicast connections; Up to sixteen 1Mbps unicast connections	
Video Multi-Encoder	Up to four simultaneous resolutions including: 1080p (60fps), 1080p (30fps), 720p (30fps), D1 (30fps), SIF (30fps)	
Video Analytics	ACF, Motion Detection	
Audio Compression	G.711Mu/AAC	
Audio Input	Line in	
Audio Output	Line out	
Binary Input/Output	4 input; 2 output	2 input; 1 output
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, QoS, DHCP, DNS	
Network Security	HTTPS, CyberVigilant®, IEEE 802.1x	
CyberVigilant® Technology	Yes	
Time	Embedded real-time clock, SNTP client	
SD Storage	SD/SDHC/SDXC 128GB support (card not included)*	
Dimension/Weight	212.4mm (dia) x 264mm (h) and 2.6Kg / 8.36in (dia) x 10.39in (h) and 5.73lb	213.6mm (dia) x 270.8mm (h) and 2.9Kg / 8.41in (dia) x 10.66in (h) and 19.84lb
Regulatory	EN55032, EN50130-4, EN61000-3-2, EN61000-3-3, EN61000-6-4, CFR47 part 15 Subpart B, UL60950-1, EN60068-2-6, EN60068-2-64, EN60068-2-27, EN60068-2-1, EN60068-2-2, EN60068-2-30, UL2043 (In-Ceiling), EN60529 (Pendant), EN62262 (Pendant)	
Housing	Aluminium alloy with polycarbonate dome	Aluminium alloy with polycarbonate dome
Protection Rating	N/A	IP66, IK10
Electrical	PoE+ (802.3at Class 4) or 12V DC @ 0.75A; 9W, 30VDC @ 0.35A; 10.4W 24V AC @ 0.66A 15.8W	PoE+ (802.3at Class 4) or 30VDC @ 0.61A; 18.3W 24V AC @ 1.1A; 26.4W
Operating Temperature	-10°C to 50°C / 14°F to 122°F	-40°C to 50°C / -40°F to 122°F
Cold Start	-10°C / 14°F	-20°C / -4°F
IndigoVision Software Requirements	Control Center v16.0.1 or later	
Supported Internet Browser	Internet Explorer v11.0 or later	
ONVIF	Profile S	
NDAA	This product is compliant with the National Defense Authorization Act (NDAA). Section 889 of the NDAA prohibits the U.S. government from procuring video and telecommunications equipment from certain Chinese companies and their subsidiaries.	

PTZ Control			
Preset	256	Pan Range	360° Continuous Rotation
Preset Accuracy	0.225°	Tilt Range	100° (-10°above horizon). For optimum performance Tilt Range of +5 to +10 is recommended.
Preset Tours	8	Pan/Tilt Speed	Pan Speed - 0.1-90°/s. Tilt Speed - 0.1-55°/s
Pattern Mimic Tours	8	Pan/Tilt Warranty	Moving part warranty limited to 5 million Pan and Tilt Operations
Privacy Zones	20 User Defined	Preset Move Speed	5-400°/s

* SDCard Storage independent of IndigoVision's NVRs.   Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.   ID: RUX-HD_PTZ 20.1 JUL 20

HD Ultra Bullet Camera

Capture every detail with ultra-high resolution

With best in class performance, the IndigoVision HD Ultra Bullet Camera delivers rich, Full HD video and image clarity, in all lighting conditions. IndigoVision's SMART.core™ technology gives highly optimised H.265 compression, reducing storage costs by up to 95%.

Key Features

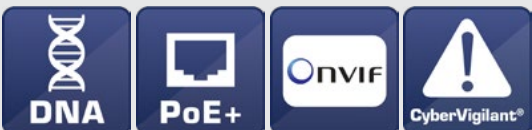HD · Day/Night · Low Light · WDR

H.265 · H.264 · UP TO 60fps · AAC · G.711

ACF · ACF+ · Analytics · Motion Detection

DNA · PoE+ · ONVIF · CyberVigilant®

Outdoor · IK10 · Low Temp · High Temp · IR

Product Codes

U2615 Bullet Camera	Product Code
HD Ultra Bullet Standard Lens, 4.1mm-16.4mm	710660
HD Ultra Bullet Telephoto Lens, 7mm-35mm	710661

SMART.core™

SENSOR
COMPRESSION
INTELLIGENCE
OTHER
PHYSICAL

Dimensions: Standard Lens

273.2mm / 10.76in
174.7mm / 6.88in
95.0mm / 3.74in
96.4mm / 3.79in

View on Front Face

View on Side Face

70.0mm / 2.56in
70.0mm / 2.56in
Ø 4.50mm / 0.18in

Mounting Hole Pattern
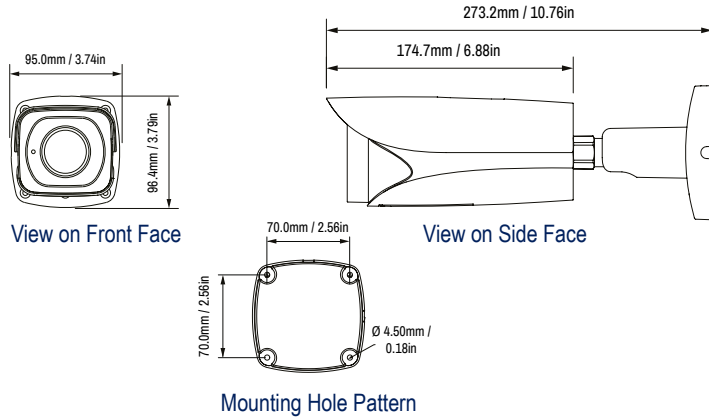
Dimensions: Telephoto Lens

273.2mm / 10.76in
174.7mm / 6.88in
95.0mm / 3.74in
88.9mm / 3.5in
79.7mm / 3.14in
95.0mm / 3.74in

View on Front Face

100.00mm / 3.94in
View on Side Face

70.0mm / 2.56in
70.0mm / 2.56in
Ø 4.50mm / 0.18in

Mounting Hole Pattern

Specification

Camera Features	Standard Lens	Telephoto Lens
Sensor	1/1.9" Progressive CMOS	1/2.8 Progressive CMOS
Active Pixels (HxV)	HD (1920x1080)	
Minimum Sensitivity	Day: 0.01 Lux (color). Night: 0.001 Lux (mono). 30 IRE, F1.53, 1/30s shutter	Day: 0.03 Lux (color). Night: 0.005 Lux (mono). 30 IRE, F1.4, 1/30s shutter
Dynamic Range	WDR > 120dB	WDR > 140dB
Gain Control	Auto/Manual	
Back Light Compensation	Off/BLC/HLC/WDR/SSA	
White Balance Mode	Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom	
Day/Night	True Day/Night with Mechanical IR Cut Filter	
IR Illuminator	Built-in IR Illuminator 850nm wavelength, effective distance >50m	Built-in IR Illuminator 850nm wavelength, effective distance >100m
Video Resolution	1920x1080 pixels (HD); 1280x960 pixels (1.3MP); 1280x720 pixels (720p); 704x576 pixels (D1);704x480 pixels (D1) 352x288 pixels (SIF); 352x240 pixels (SIF); 640x480 (VGA)	
Signal/Noise Level	> 50dB	
Lens Options	4.1mm to 16.4mm, Horizontal view angle 80° (W) 32° (T), F1.53 Vari-focal with Remote Zoom/Focus	7mm to 35mm, Horizontal view angle 34° (W) 12° (T), F1.4, Vari-focal with Remote Zoom/Focus
Zoom	4x optical	5x optical
Iris Control	Auto Iris	
Shutter	Rolling; Auto from 1/3 - 1/100,000	
Exposure Control	Auto/Gain Priority/Shutter Priority/Aperture Priority / Manual	
Video Compression	Full frame rate, full color: H.265^ ; up to 30fps, H.264/MJPEG ; up to 60fps	
Video Bit Rate	User-configurable bit rates from 24Kbps up to 10Mbps	
Privacy Zones	4 User Defined	
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections; Up to eight 4Mbps unicast connections	
Video Multi-Encoder	Up to two simultaneous resolutions with guaranteed frame rate including: up to 1080p (60fps) plus up to 1080p (60fps) or lower	
Video Analytics	ACF, ACF+, Motion Detection, Tripwire, Intrusion, Abandoned Object, Missing Object, Scene Change, Video Tamper, Defocus Detect, Face Detection	
Intelligence	People Counting, Heat Map	
Audio Compression	G.711Mu/AAC	
Audio Bit Rate	16-96Kbps per channel	
Audio Dual Encoder	Main Stream: 1 Stream Configuration plus Sub Stream: 1 Stream Configuration	
Audio Resolution	G.711Mu 8 KHz sample rate, AAC is configurable with options 8, 16, 32 and 48 KHz	
Audio Analytics	Audio Intensity High, Audio Input Abnormal	
Audio Input	Line in, RCA connector	
Audio Output	Line out, RCA connector	
Binary Input/Output	2 Pull up inputs for non powered contacts; 1 Solid state open collector output, Max 30v DC 0.5A / 21v AC 0.5A	
Network Interface	IEEE802.3 and IETF standards: 100/1000 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, PPPoE, uPnP, QoS, DHCP	
Network Security	HTTPS, IP Filter, IEEE 802.1x	
CyberVigilant® Technology	Yes	
Time	Embedded real-time clock, NTP client	
SD Storage	microSDXC 128GB support (card not included)*	
Dimensions/Weight	273mm (d) x 95mm (w) x 95mm (h) and 1.3Kg (with sun shade) / 10.76in (d) x 3.74in (w) x 3.74in (h) and 2.87lb (with sun shade)	
Regulatory	EN 55032, EN 50130-4 , EN 55024, EN 61000-3-2, EN 61000-3-3, CFR47 part 15, UL60950-1, EN60068-2-6, EN 60068-2-64, EN 60068-2-27, EN 60068-2-1, EN 60068-2-2, EN 60068-2-30, EN 60529, EN 62262	
Housing	White vandal resistant aluminium alloy with polycarbonate sun shade including 200mm cable bundle	
Protection Rating	IP67, IK10	
Electrical	Camera including heater: PoE+ (802.3at Class 4) or 12v DC @ 1.1A Power supply ordered separately (Product code: 110068/130176)	
Operating Temperature	-40°C to 60°C (-40°F to 140°F)	
Cold Start	-20°C (-4°F)	
IndigoVision Software Requirements	Control Center v15.4 or later	
Supported Internet Browsers	Internet Explorer v11.0 or above	
ONVIF	Profile S	

* SDCard Storage independent of IndigoVision's NVRs. ^ H.265 requires Control Center 16.0 or later.
Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: RULTRA-BC 20.0 MAR 20

IndigoVision®
a Motorola Solutions Company

HD Ultra Minidome Camera

Capture every detail with ultra-high resolution

With best in class performance, the IndigoVision HD Ultra Minidome Camera delivers rich, Full HD video and image clarity, in all lighting conditions. IndigoVision's SMART.coreTM technology gives highly optimised H.265 compression, reducing storage costs by up to 95%.
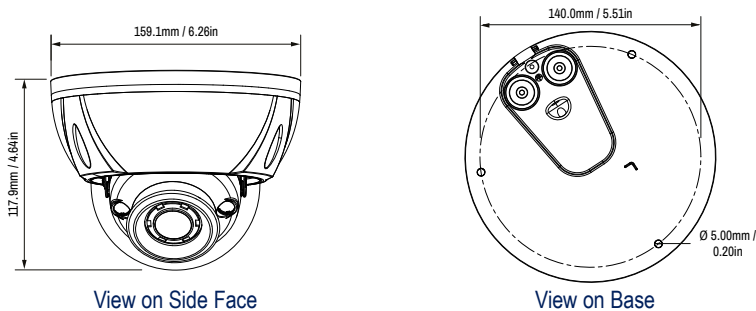
Key Features

HD

Day/Night · Low Light · WDR

H.265 · H.264 · UP TO 60fps · AAC

ACF · ACF+ · Analytics · Motion Detection

DNA · PoE+ · Onvif · CyberVigilant®

Outdoor · IK10 · Low Temp · High Temp · IR

SENSOR · COMPRESSION · INTELLIGENCE · OTHER · PHYSICAL

Product Codes

U2410 Minidome Cameras	Product Code
HD Ultra Minidome Standard Lens, 4.1mm-16.4mm	710460
HD Ultra Minidome Telephoto Lens, 7mm-35mm	710461

SMART.core™

Dimensions

View on Side Face

View on Base

Specification

Camera Features	Standard	Telephoto
Sensor	1/1.9" Progressive CMOS	1/2.8" Progressive CMOS
Active Pixels (HxV)	HD (1920 x 1080)	
Minimum Sensitivity	Day: 0.01 Lux (color). Night: 0.001 Lux (mono). 30IRE, F1.53, 1/30s shutter	Day: 0.03 Lux (color). Night: 0.003 Lux (mono). 30IRE, F1.4, 1/30s shutter
Dynamic Range	WDR > 120dB	WDR > 140dB
Gain Control	Auto/Manual	
Back Light Compensation	Off/BLC/HLC/WDR/SSA	
White Balance Mode	Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom	
Day/Night	True Day/Night with Mechanical IR Cut Filter	
IR Illuminator	Built-in IR Illuminator 850nm wavelength, effective distance >50m	Built-in IR Illuminator 850nm wavelength, effective distance >100m
Video Resolution	1920x1080 pixels (HD); 1280x960 pixels (1.3MP); 1280x720 pixels (720p); 704x576 pixels (D1);704x480 pixels (D1) 352x288 pixels (SIF); 352x240 pixels (SIF); 640x480 (VGA)	
Signal/Noise Level	> 50dB	
Lens Options	4.1mm – 16.4mm, Horizontal view angle 92° (W) 32° (T), F1.53, Remote Zoom/Focus	7mm - 35mm Horizontal view angle 34° (W) 11° (T), F1.4, Remote Zoom/Focus
Zoom	4x optical	5x optical
Iris Control	Auto Iris	
Shutter	Rolling; Auto from 1/3 - 1/100,000 sec	
Exposure Control	Auto / Gain Priority / Shutter Priority / Aperture Priority / Manual	
Gimbal Adjustment	3 axis adjustment	
Video Compression	Full frame rate, full color: H.265^ ; up to 30fps, H.264/MJPEG ; up to 60fps	
Video Bit Rate	User-configurable from 24Kbps up to 10Mbps	
Privacy Zones	4 User Defined	
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections; Up to eight 4Mbps unicast connections	
Video Multi-Encoder	Up to two simultaneous resolutions with guaranteed frame rate including: up to 1080p (60fps) plus up to 1080p (60fps) or lower	
Video Analytics	ACF, ACF+, Motion Detection, Tripwire, Intrusion, Abandoned Object, Missing Object, Scene Change, Video Tamper, Defocus Detect, Face Detection	
Intelligence	People Counting, Heat Map	
Audio Compression	G.711Mu/AAC	
Audio Bit Rate	16-96Kbps per channel	
Audio Dual Encoder	Main Stream: 1 Stream Configuration plus Sub Stream: 1 Stream Configuration	
Audio Resolution	G.711Mu 8 KHz sample rate, AAC is configurable with options 8, 16, 32 and 48 KHz	
Audio Analytics	Audio Input Abnormal, Audio Intensity High	
Audio Input	Line in, terminal block connector	
Audio Output	Line out, terminal block connector	
Binary Input/Output	1 Pull up input for non powered contacts; 1 Solid state open collector output, Max 30V DC 1A/ 50VAC 0.5A	
Network Interface	IEEE802.3 and IETF standards: 100/1000 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, PPPoE, uPnP, QoS, DHCP	
Network Security	HTTPS, IP Filter, IEEE 802.1x	
CyberVigilant® Technology	Yes	
Time	Embedded real-time clock, NTP client	
SD Storage	microSDXC upto 128GB support (card not included)**	
Dimensions/Weight	159.1mm (dia.) x 117.9mm (h) and 1.75Kg / 6.26in (dia.) x 4.64in (h) and 3.86lb	
Regulatory	EN 55032, EN 50130-4 , EN 55024, EN 61000-3-2, EN 61000-3-3, CFR47 part 15 Subpart B, UL60950-1, EN60068-2-6, EN 60068-2-64, EN 60068-2-27, EN 60068-2-1, EN 60068-2-2, EN 60068-2-30, EN 60529, EN 62262	
Housing	Diecast aluminium alloy with polycarbonate dome	
Protection Rating	IP67, IK10	
Electrical	PoE+ (802.3at Class 4) or 12V DC @1.33A./ 24V AC @ 0.71A max Camera only (-10°C to +60°C): PoE / 10.8W Camera including Heater (-40°C to +60°C): PoE+ / 16.0W	PoE+ (802.3at Class 4) or 12V DC @1.42A./ 24V AC @ 0.75A max Camera only (-10°C to +60°C): PoE / 12.6W Camera including Heater (-40°C to +60°C): PoE+ / 17.1W
Operating Temperature	PoE: -10°C to 60°C (14°F to 140°F)* PoE+ / External PSU: -40°C to 60°C (-40°F to 140°F)	
Cold Start	-20°C (-4°F)	
IndigoVision Software Requirements	Control Center v15.4 or later	
Supported Internet Browsers	Internet Explorer v11.0 or later	
ONVIF	Profile S	

* If operating temperature drops below -10°C then heater will operate and PoE+ power or External PSU is required. ** SDCard Storage independent of IndigoVision's NVRs. ^ H.265 requires Control Center 16.0 or later.

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: ULTRA-MINI 20.0 MAR 20

IndigoVision®
a Motorola Solutions Company

30x Optical

HD Ultra Pendant PTZ Camera

Capture every detail with ultra-high resolution

With best in class performance, the IndigoVision HD Ultra Pendant PTZ Camera delivers rich, Full HD video and image clarity, in all lighting conditions. Image stabilisation and ultra-low PTZ latency gives smoother operator viewing and control. IndigoVision's SMART.coreTM technology gives highly optimised H.265 compression, reducing storage costs by up to 95%.

Key Features

SENSOR

HD | Day/Night | Low Light | WDR | Stabilisation

COMPRESSION

H.265 | H.264 | UP TO 60fps | AAC | G.711

INTELLIGENCE

ACF | ACF+ | Analytics | Motion Detection

OTHER

DNA | Onvif | CyberVigilant®

PHYSICAL

Outdoor | IK10 | Low Temp | High Temp

Product Codes

HD Ultra PTZ Dome Cameras	Product Code
HD Ultra Pendant PTZ, 30x Lens	710560

SMART .core™
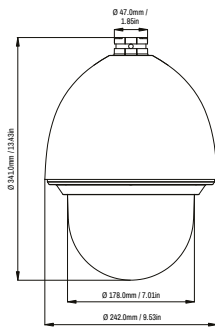
Dimensions

View on Side Face

Dimensions: Wall Mount

View on Side Face

View on Front Face

Specification

Camera Features	
Sensor	1/1.9" Progressive CMOS
Active Pixels (HxV)	HD (1920 x 1080)
Minimum Sensitivity	Day: 0.002 Lux (color). Night: 0.0002 Lux (mono). 30 IRE, F1.5, 1/30s shutter
Dynamic Range	WDR 120dB
Gain Control	Auto/Manual
Back Light Compensation	Off/BLC/HLC/WDR
White Balance Mode	Auto/ATW/Indoor/Outdoor/Manual /Sodium Lamp/Natural/Street Lamp
Day/Night	True Day/Night with Mechanical IR Cut Filter
Video Resolution	1920x1080 pixels (HD); 1280x960 pixels (1.3MP); 1280x720 pixels (720p); 704x576 pixels (D1);704x480 pixels (D1) 352x288 pixels (SIF); 352x240 pixels (SIF)
Signal/Noise Level	> 56dB
Lens Options	5.9mm - 180mm, Horizontal view angle 61.2° (W) 2.1° (T), F1.5 to F4.3 Autofocus with manual override
Zoom	30x optical + 16x digital
Iris Control	Automatic with Manual override
Shutter	Rolling; Auto from 1/1 to 1/30,000 sec
Exposure Control	Auto/Aperture Priority/Shutter Priority/Gain Priority/Manual
Image Stabilizer	Yes
Video Compression	Full frame rate, full colour: H.265^/H.264/MJPEG up to 30fps
Video Bit Rate	User-configurable from 24Kbps up to 8Mbps
Video Multi-Streaming	Up to 32Mbps total video output. Unlimited multicast connections; Up to eight 4Mbps unicast connections
Video Multi-Encoder	Up to two simultaneous resolutions with frame rate including: up to 1080p (30fps) plus up to 1080p (30fps) or lower
Video Analytics	ACF, ACF+, Motion Detection, Tripwire, Intrusion, Abandoned Object, Missing Object, Scene Change, Video Tamper, Face Detection
Intelligence	Heat Map
Audio Compression	G.711Mu/AAC
Audio Bit Rate	16-96Kbps per channel
Audio Dual Encoder	Main Stream: 1 Stream Configuration plus Sub Stream: 1 Stream Configuration
Audio Resolution	G.711Mu 8 KHz sample rate, AAC is configurable with options 8, 16, 32 and 48 KHz
Audio Analytics	Audio Input Abnormal, Audio Intensity High
Audio Input	1x Line in
Audio Output	1x Line out
Binary Input/Output	7 Pull up input for non powered contacts; 2 Solid state open collector output, Max 20VDC 1A
Network Interface	IEEE802.3 and IETF standards: 100/1000 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, PPPoE, uPnP, QoS, DHCP, DNS
Network Security	HTTPS, IP Filter, IEEE 802.1x
CyberVigilant® Technology	Yes
Time	Embedded real-time clock, NTP client
SD Storage	microSDXC upto 128GB support (card not included)*
Dimensions/Weight	242mm (dia) x 341mm (h) and 8.25kg (with sun shield) / 9.53in (dia) x 13.43in (h) and 18.19lbs (with sun shield)
Regulatory	EN 55032, EN 50130-4 , EN 55024, EN 61000-3-2, EN 61000-3-3, CFR47 part 15 Subpart B, UL60950-1, EN60068-2-6, EN 60068-2-64, EN 60068-2-27, EN 60068-2-1, EN 60068-2-2, EN 60068-2-30, EN 60529, EN 62262
Housing	Vandal resistant aluminium alloy and Polycarbonate/ABS housing and clear polycarbonate dome included
Protection Rating	IP67, IK10
Electrical	24V AC @1.8A; 43W
Operating Temperature	External PSU: -40°C to 70°C (-40°F to 158°F)
Cold Start	-30°C (-22°F)
Supplied Accessories	Wall Mount bracket with 1.5" BSP Thread Adaptor
IndigoVision Software Requirements	Control Center v15.4 or later
Supported Internet Browsers	Internet Explorer v11.0 or later
ONVIF	Profile S

PTZ Control			
Preset	300	Privacy Zones	24 User Defined
Preset Tours	8 each with 32 presets	Pan Range	360° Continuous Rotation
Pattern/Mimic tours	5 each with up to 10 minutes	Tilt Range	110° (-20° above horizon to 90° vertically down)
Picture Freeze Option	Yes	Pan/Tilt Speed	Pan - 0.1°/s to 300°/s, Tilt - 0.1°/s to 150°/s
		Pan/Tilt Warranty	Moving part warranty limited to 2 million Pan and Tilt Operations

* SDCard Storage independent of IndigoVision's NVRs.
^ H.265 requires Control Center 16.0 or later.

![IndigoVision — a Motorola Solutions Company]

Bullet Camera

High-end: performance, not price tag.

With BX HD Bullet Cameras you get supreme connectivity and flexibility, combined with great video and audio. You also get maximum reliability, and the other significant benefits of IndigoVision's Distributed Network Architecture. BX HD Bullet Cameras deliver a different dimension of safety when combined with IndigoVision's Control Center.
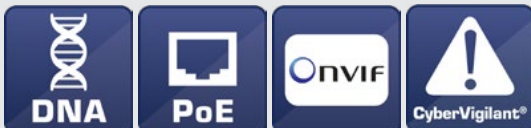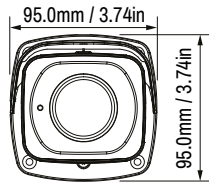
Key Features

HD · Day/Night · WDR

H.265 · H.264 · UP TO 60fps · G.711

Analytics · Motion Detection

DNA · PoE · Onvif · CyberVigilant®

Outdoor · IR · IK10 · Low Temp

SENSOR · COMPRESSION · INTELLIGENCE · OTHER · PHYSICAL

Product Codes

BX630 Bullet Camera	Product Code
HD Bullet Camera, Standard Lens, 2.7-12mm	610661
HD Bullet Camera, Telephoto Lens 7-35mm	610662

Dimensions

View on Front Face	View on Side Face	Mounting Hole Pattern

View on Front Face dimensions: 95.0mm / 3.74in (width), 95.0mm / 3.74in (height)

View on Side Face dimensions: 273mm / 10.75in, 256mm / 10.08in, 160mm / 6.30in

Mounting Hole Pattern dimensions: 70.0mm / 2.56in, 70.0mm / 2.56in, Ø 4.50mm / 0.18in

Specification

Camera Features	Standard Lens	Telephoto Lens
Sensor	1/2.8" Progressive CMOS	
Active Pixels (HxV)	HD (1920x1080)	
Minimum Sensitivity	Day: 0.01 Lux (color). Night: 0.001 Lux (mono). 30IRE, F1.4, 1/30s shutter	
Dynamic Range	WDR > 120dB	
Gain Control	Auto/Manual	
Back Light Compensation	On/Off	
White Balance Mode	Auto/Manual	
Day/Night	True Day/Night with Mechanical IR Cut Filter	
IR Illuminator	Built-in IR Illuminator 850nm wavelength, effective distance >50m	Built-in IR Illuminator 850nm wavelength, effective distance >100m
Video Resolution	1920x1080 pixels (HD); 1280x960 pixels (1.3MP); 1280x720 pixels (720p); 704x576 pixels (D1);704x480 pixels (D1) 352x288 pixels (SIF); 352x240 pixels (SIF)	
Signal/Noise Level	> 50dB	
Lens Options	2.7mm - 12mm, F1.4, Vari-focal with Remote Zoom/Focus	7mm - 35mm, F1.4, Vari-focal with Remote Zoom/Focus
Horizontal Angle of View	Full Wide: 97°, Full Tele: 34°	Full Wide: 35°, Full Tele: 12°
Vertical Angle of View	Full Wide: 52°, Full Tele: 20°	Full Wide: 19°, Full Tele: 7°
Iris Control	Auto Iris	
Shutter	Rolling; Auto from 1/30 - 1/100,000	
Exposure Control	Auto/Manual	
Video Compression	Full frame rate, full color: H.265 ^; up to 30fps, H.264/MJPEG ; up to 60fps	
Video Bit Rate	User-configurable bit rates from 24Kbps up to 10Mbps	
Privacy Zones	4 User Defined	
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections; Up to eight 4Mbps unicast connections; Up to sixteen 1Mbps unicast connections	
Video Multi-Encoder	Two simultaneous resolutions including: up to 1080p (60fps) plus 720p (20fps) or lower Or two simultaneous resolutions including: up to 1080p (30fps) plus 1080p (30fps) or lower	
Video Analytics	Motion Detection, Tripwire, Intrusion, Abandoned Object, Missing Object, Scene Change, Video Tamper, Defocus Detect, Face Detection	
Audio Compression	G.711Mu	
Audio Bit Rate	Non user configurable,G.711Mu 64Kbps - 80Kbps	
Audio Resolution	G.711Mu 8kHz sample rate, Mono Input, Mono Output	
Audio Analytics	Audio Intensity High, Audio Input Abnormal	
Audio Input	Line in, RCA connector	
Audio Output	Line out, RCA connector	
Binary Input/Output	2 Pull up inputs for non powered contacts; 1 solid state open collector output with 5VAC/DC 30mA max carrying capacity	
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, PPPoE, uPnP, QoS, DHCP, DNS	
Network Security	HTTPS, IP Filter, IEEE 802.1x	
CyberVigilant® Technology	Yes	
Time	Embedded real-time clock, NTP client	
SD Storage	microSDHC 128GB support (card not included)*	
Dimension/Weight	94.92mm (h) x 94.92mm (w) x 272.90mm (l) and 1.1Kg (with sun shade) / 3.74in (h) x 3.74in (w) x 10.74in (l) and 2.43lb (with sun shade)	
Regulatory	EN55032, EN55024, EN50130-4, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B Class A, IEC60068-2-27, IEC60068-2-6, EN60068-2-64, EN60068-2-1, EN60068-2-2, EN60068-2-30, UL60950-1	
Housing	White vandal resistant aluminium alloy with polycarbonate sun shade including 200mm cable bundle	
Protection Rating	IP67, IK10	
Electrical	Camera only: PoE+ (802.3at Class 4) or 12V DC @ 0.92A: 11W Camera including heater: PoE+ (802.3at Class 4) or 12VDC @ 1.66A; 20W. Power supply ordered separately (Product code: 110068; 130176)	
Operating Temperature	-40°C to 60°C (-40°F to 140°F)	-30°C to 60°C (-22°F to 140°F)
Cold Start	-20°C (-4°F)	
IndigoVision Software Requirements	Control Center v15.1 or later	
Supported Internet Browers	Internet Explorer v11.0 or later	
ONVIF	Profile S	

* SDCard Storage independent of IndigoVision's NVRs.
^ H.265 requires Control Center 16.0 or later.

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: BX630-BC 20.1 MAR 20

Bullet Cameras

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Key Features

4MP | **4K** | **Day/Night** | **WDR**

H.264 | **UP TO 30fps** | **G.711**

Analytics | **Motion Detection**

DNA | **PoE** | **PoE+** | **Onvif** | **CyberVigilant®**

Outdoor | **IR** | **IK10** | **Low Temp**

Product Codes

BX620 Bullet Cameras	Product Code
4MP Bullet Camera	611660
4K Bullet Camera	614660

SENSOR
COMPRESSION
INTELLIGENCE
OTHER
PHYSICAL

Dimensions

95.0mm / 3.74in

95.0mm / 3.74in

View on Side Face

273mm / 10.75in

256mm / 10.08in

160mm / 6.30in

View on Front Face

70.0mm / 2.56in

70.0mm / 2.56in

Ø 4.50mm / 0.18in

Mounting Hole Pattern

Specification

Camera Features	4MP	4K
Sensor	1/3" Progressive CMOS	1/1.7" Progressive CMOS
Active Pixels (HxV)	4MP (2560x1440)	12MP (4000 x 3000)
Minimum Sensitivity	0.01 Lux (color). Night: 0.001 Lux (mono). 30 IRE, F1.4, 1/15s shutter	Day: 0.05 Lux (color). Night: 0.005 Lux (mono). 30 IRE, F1.4, 1/15s shutter
Dynamic Range	WDR > 120dB	WDR > 100dB
Gain Control	Auto/Manual	
Back Light Compensation	On/Off	
White Balance Mode	Auto/Manual	
Day/Night	True Day/Night with Mechanical IR Cut Filter	
IR Illuminator	Built-in IR Illuminator 850nm wavelength, effective distance >50m	
Video Resolution	4000x3000 pixels (12MP)**; 4096x2160 pixels (8MP)**; 3840x2160 pixels (8MP)**; 3072x2048 pixels (6MP)**; 2560x1440 pixels (4MP)*; 2304x1296 pixels (3MP)*; 1920x1080 pixels (HD); 1280x960 pixels (1.3MP); 1280x720 pixels (720p); 704x576 pixels (D1);704x480 pixels (D1) 352x288 pixels (SIF); 352x240 pixels (SIF)	
Signal/Noise Level	> 50dB	
Lens Options	2.7mm - 12mm, Horizontal view angle 100° (W) 33° (T), F1.4, Vari-focal, M14 mount with Remote Zoom/Focus	4.1mm - 16.4mm, Horizontal view angle 84.5° (W) 34° (T), F1.4, Vari-focal, M14 mount with Remote Zoom/Focus
Iris Control	Auto Iris	
Shutter	Rolling; Auto from 1/3 - 1/10,000 sec	
Exposure Control	Auto/Low Noise/Low Motion Blur/Manual	
Video Compression	Full frame rate, full color: H.264/MJPEG ; up to 30fps (ISO 14496-10)	
Video Bit Rate	User-configurable bit rates from 64Kbps up to 10Mbps	
Privacy Zones	4 User Defined	
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections; Up to four 8Mbps unicast connections; Up to sixteen 1Mbps unicast connections	
Video Multi-Encoder	Up to two simultaneous resolutions including: 12MP (20fps)**, 4K(30fps)**, 5MP(30fps)**, 4MP (20fps)*, 3MP (30fps)*, 1080p (30fps), 720p (30fps), D1 (30fps), SIF (30fps)	
Video Analytics	Motion Detection, Tripwire, Intrusion, Abandoned Object, Missing Object, Scene Change, Video Tamper, Defocus Detect, Face Detection	
Audio Compression	G.711	
Audio Bit Rate	32Kbps per channel	
Audio Resolution	Full Duplex, 8kHz or 16kHz sample rate. Mono Input, Mono Output	
Audio Analytics	Audio Intensity High, Audio Input Abnormal	
Audio Input	Line in, RCA connector	
Audio Output	Line out, RCA connector	
Binary Input/Output	2 Pull up inputs for non powered contacts; 1 Solid state open collector output, Max 5.0V, 30mA	
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, SSH, PPPoE, uPnP, QoS, DHCP	IEEE802.3 and IETF standards: 100/1000 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, SSH, PPPoE, uPnP, QoS, DHCP
Network Security	HTTPS, IP Filter, IEEE 802.1x	
CyberVigilant® Technology	Yes	
Time	Embedded real-time clock, NTP client	
SD Storage	microSDHC 128GB support (card not included)***	
Dimension/Weight	94.92mm (h) x 94.92mm (w) x 272.90mm (l) and 1.1Kg (with sun shade) / 3.74in (h) x 3.74in (w) x 10.74in (l) and 2.43lb (with sun shade)	
Regulatory	EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, EN 50130-4, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, IEC60068-2-27 (Shock), IEC60068-2-6 (Sine Vibration), UL60950	
Housing	White vandal resistant aluminium alloy with polycarbonate sun shade including 200mm cable bundle	
Protection Rating	IP67, IK10 (IEC 62262)	
Electrical	Camera only: PoE (802.3af Class 0) or 12V DC @ 0.33A; 4W. Camera including heater: PoE (802.3af Class 0) or 12V DC @ 1.0A; 12W. Power supply ordered separately (Product code: 110064; 130176)	Camera only PoE+ (802.3at Class 4) or 12V DC/24V AC, 9W Camera including heater: PoE+ (802.3at Class 4) or 12V DC/24V AC, 19W. Power supply ordered separately (Product code: 110064; 130176)
Operating Temperature	-40°C to 60°C (-40°F to 140°F)	
Cold Start	-30°C (-22°F)	
IndigoVision Software Requirements	Control Center v14.1 or later	Control Center v13.2 or later
Supported Internet Browsers	Internet Explorer v11.0 or later	
ONVIF	Profile S	

* 4MP and 3MP resolution only available on 4MP variant. ** 12MP, 4K and 5MP (30fps) resolution only available on 4K variant. *** SDCard Storage independent of IndigoVision's NVRs.

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

Bullet Camera

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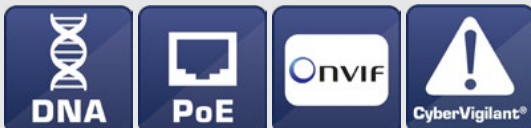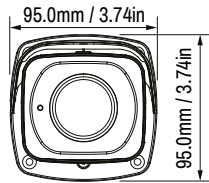
Key Features

HD | Day/Night | WDR

H.265 | H.264 | UP TO 60fps | G.711

Analytics | Motion Detection

DNA | PoE | Onvif | CyberVigilant®

Outdoor | IR | IK10 | Low Temp

SENSOR | COMPRESSION | INTELLIGENCE | OTHER | PHYSICAL

Product Codes

BX630 Bullet Camera	Product Code
HD Bullet Camera, Standard Lens, 2.7-12mm	610661
HD Bullet Camera, Telephoto Lens 7-35mm	610662

Dimensions

View on Front Face

95.0mm / 3.74in
95.0mm / 3.74in

View on Side Face

273mm / 10.75in
256mm / 10.08in
160mm / 6.30in

Mounting Hole Pattern

70.0mm / 2.56in
70.0mm / 2.56in
Ø 4.50mm / 0.18in

Specification

Camera Features	Standard Lens	Telephoto Lens
Sensor	1/2.8" Progressive CMOS	
Active Pixels (HxV)	HD (1920x1080)	
Minimum Sensitivity	Day: 0.01 Lux (color). Night: 0.001 Lux (mono). 30IRE, F1.4, 1/30s shutter	
Dynamic Range	WDR > 120dB	
Gain Control	Auto/Manual	
Back Light Compensation	On/Off	
White Balance Mode	Auto/Manual	
Day/Night	True Day/Night with Mechanical IR Cut Filter	
IR Illuminator	Built-in IR Illuminator 850nm wavelength, effective distance >50m	Built-in IR Illuminator 850nm wavelength, effective distance >100m
Video Resolution	1920x1080 pixels (HD); 1280x960 pixels (1.3MP); 1280x720 pixels (720p); 704x576 pixels (D1);704x480 pixels (D1) 352x288 pixels (SIF); 352x240 pixels (SIF)	
Signal/Noise Level	> 50dB	
Lens Options	2.7mm - 12mm, F1.4, Vari-focal with Remote Zoom/Focus	7mm - 35mm, F1.4, Vari-focal with Remote Zoom/Focus
Horizontal Angle of View	Full Wide: 97°, Full Tele: 34°	Full Wide: 35°, Full Tele: 12°
Vertical Angle of View	Full Wide: 52°, Full Tele: 20°	Full Wide: 19°, Full Tele: 7°
Iris Control	Auto Iris	
Shutter	Rolling; Auto from 1/30 - 1/100,000	
Exposure Control	Auto/Manual	
Video Compression	Full frame rate, full color: H.265 ^; up to 30fps, H.264/MJPEG ; up to 60fps	
Video Bit Rate	User-configurable bit rates from 24Kbps up to 10Mbps	
Privacy Zones	4 User Defined	
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections; Up to eight 4Mbps unicast connections; Up to sixteen 1Mbps unicast connections	
Video Multi-Encoder	Two simultaneous resolutions including: up to 1080p (60fps) plus 720p (20fps) or lower Or two simultaneous resolutions including: up to 1080p (30fps) plus 1080p (30fps) or lower	
Video Analytics	Motion Detection, Tripwire, Intrusion, Abandoned Object, Missing Object, Scene Change, Video Tamper, Defocus Detect, Face Detection	
Audio Compression	G.711Mu	
Audio Bit Rate	Non user configurable,G.711Mu 64Kbps - 80Kbps	
Audio Resolution	G.711Mu 8kHz sample rate, Mono Input, Mono Output	
Audio Analytics	Audio Intensity High, Audio Input Abnormal	
Audio Input	Line in, RCA connector	
Audio Output	Line out, RCA connector	
Binary Input/Output	2 Pull up inputs for non powered contacts; 1 solid state open collector output with 5VAC/DC 30mA max carrying capacity	
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, PPPoE, uPnP, QoS, DHCP, DNS	
Network Security	HTTPS, IP Filter, IEEE 802.1x	
CyberVigilant® Technology	Yes	
Time	Embedded real-time clock, NTP client	
SD Storage	microSDHC 128GB support (card not included)*	
Dimension/Weight	94.92mm (h) x 94.92mm (w) x 272.90mm (l) and 1.1Kg (with sun shade) / 3.74in (h) x 3.74in (w) x 10.74in (l) and 2.43lb (with sun shade)	
Regulatory	EN55032, EN55024, EN50130-4, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B Class A, IEC60068-2-27, IEC60068-2-6, EN60068-2-64, EN60068-2-1, EN60068-2-2, EN60068-2-30, UL60950-1	
Housing	White vandal resistant aluminium alloy with polycarbonate sun shade including 200mm cable bundle	
Protection Rating	IP67, IK10	
Electrical	Camera only: PoE+ (802.3at Class 4) or 12V DC @ 0.92A: 11W Camera including heater: PoE+ (802.3at Class 4) or 12VDC @ 1.66A; 20W. Power supply ordered separately (Product code: 110068; 130176)	
Operating Temperature	-40°C to 60°C (-40°F to 140°F)	-30°C to 60°C (-22°F to 140°F)
Cold Start	-20°C (-4°F)	
IndigoVision Software Requirements	Control Center v15.1 or later	
Supported Internet Browers	Internet Explorer v11.0 or later	
ONVIF	Profile S	

* SDCard Storage independent of IndigoVision's NVRs.
^ H.265 requires Control Center 16.0 or later.

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: BX630-BC 20.1 MAR 20

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Fixed Cameras

High-end: performance, not price tag.

With BX 4MP and 4K Fixed Cameras you get supreme connectivity and flexibility, combined with great video and audio. You also get maximum reliability,and the other significant benefits of IndigoVision's Distributed Network Architecture. BX 4MP and 4K Fixed Cameras deliver a different dimension of safety when combined with IndigoVision's Control Center.

Key Features

SENSOR: 4MP | 4K | Day/Night | WDR

COMPRESSION: H.264 | UP TO 30fps | G.711

INTELLIGENCE: Analytics | Motion Detection

OTHER: DNA | PoE | PoE+ | Onvif | CyberVigilant®

Product Codes

BX620 Fixed Cameras	Product Code
4MP Fixed Camera Standard Lens, 2.7-12mm	611620
4MP Fixed Camera Telephoto Lens, 5-50mm	611621
4K Fixed Camera Standard Lens, 3.7-16mm	614620
4K Fixed Camera Telephoto Lens, 10.5-42mm	614621

Dimensions

74.4mm / 2.93in
65.5mm / 2.58in

View on Front Face

135.4mm / 5.33in
125mm / 4.92in

View on Side Face

Specification

Camera Features	4MP	4K
Sensor	1/3" Progressive CMOS	1/1.7" Progressive CMOS
Active Pixels (HxV)	4MP (2560x1440)	12MP (4000 x 3000)
Minimum Sensitivity	Day: 0.01 Lux (color). Night: 0.001 Lux (mono). 30 IRE, F1.4, 1/15s shutter	Day: 0.05 Lux (color). Night: 0.005 Lux (mono). 30 IRE, F1.4, 1/15s shutter
Dynamic Range	WDR > 120dB	WDR > 100dB
Gain Control	Auto/Manual	
Back Light Compensation	On/Off	
White Balance Mode	Auto/Manual	
Day/Night	True Day/Night with Mechanical IR Cut Filter	
Video Resolution	4000x3000 pixels (12MP)**; 4096x2160 pixels (8MP)**; 3840x2160 pixels (8MP)**; 3072x2048 pixels (6MP)**; 2560x1440 pixels (4MP)*; 2304x1296 pixels (3MP)*; 1920x1080 pixels (HD); 1280x960 pixels (1.3MP); 1280x720 pixels (720p); 704x576 pixels (D1);704x480 pixels (D1) 352x288 pixels (SIF); 352x240 pixels (SIF)	
Signal/Noise Level	> 50dB	
Lens Options	Standard Lens: 2.7mm - 12mm, F1.6, Vari-focal, CS mount with Auto Back Focus Telephoto Lens: 5mm - 50mm, F1.6, Vari-focal, CS mount with Auto Back Focus	Standard Lens: 3.7mm - 16mm, F1.5, Vari-focal, CS mount with Auto Back Focus Telephoto Lens: 10.5-42mm, F1.5, Vari-focal, CS mount with Auto Back Focus
Iris Control	Auto Iris	
Shutter	Rolling; Auto from 1/3 - 1/10,000 sec	
Exposure Control	Auto/Low Noise/Low Motion Blur/Manual	
Video Compression	Full frame rate, full color: H.264/MJPEG ; up to 30fps (ISO 14496-10)	
Video Bit Rate	User-configurable bit rates from 64Kbps up to 8Mbps	
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections. Up to four 8Mbps unicast connections; Up to sixteen 1Mbps unicast connections	
Video Multi-Encoder	Up to two simultaneous resolutions including: 12MP (20fps)**, 4K(30fps)**, 5MP(30fps)**, 4MP (20fps)*, 3MP (30fps)*, 1080p (30fps), 720p (30fps), D1 (30fps), SIF (30fps	
Video Output	PAL composite video, 75 Ohms 1V p-p, BNC connector	
Video Analytics	Motion Detection, Tripwire, Intrusion, Abandoned Object, Missing Object, Scene Change, Video Tamper, Defocus Detect, Face Detection	
Audio Compression	G.711	
Audio Bit Rate	32Kbps per channel	
Audio Resolution	Full Duplex, 8kHz or 16kHz sample rate. Mono Input, Mono Output	
Audio Analytics	Audio Intensity High, Audio Input Abnormal	
Audio Input	Line in, 3.5mm jack connector	
Audio Output	Line out, 3.5mm jack connector	
Binary Input/Output	2 Pull up inputs for non powered contacts; 1 Solid state open collector output, Max 5.0V, 30mA	
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, SSH, PPPoE, uPnP, QoS, DHCP	IEEE802.3 and IETF standards: 100/1000 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, SSH, PPPoE, uPnP, QoS, DHCP
Network Security	HTTPS, IP Filter, IEEE 802.1x	
CyberVigilant® Technology	Yes	
Time	Embedded real-time clock, NTP client	
SD Storage	microSDHC 128GB support (card not included)***	
Dimension/Weight	Camera only: 135.4mm (d) x 74.4mm (w) x 65.5mm (h) and 0.3Kg / 5.33in (d) x 2.94in (w) x 2.58in (h) and 0.66lb Standard lens only: 33.7mm (dia) x 57.6mm (d) and 0.735Kg / 1.33in (dia) x 2.27in (d) and 1.62lb Camera with standard lens: 193mm (d) x 74.4mm (w) x 65.5mm (h) and 1.035Kg / 7.6in (d) x 2.93in (w) x 2.58in (h) and 2.28lb Telephoto lens only: 47.0mm (dia) x 85.9mm (d) and 0.195Kg / 1.85in (dia) x 3.38in (d) and 0.43lb Camera with telephoto lens: 221.3mm (d) x 74.4mm (w) x 65.5mm (h) and 0.495Kg / 8.71in (d) x 2.92in (w) x 2.57in (h) and 1.09lb	Camera only: 135.4mm (d) x 74.4mm (w) x 65.5mm (h) and 0.3Kg / 5.33in (d) x 2.93in (w) x 2.58in (h) and 0.66lb Standard lens only: 54mm (dia) x 82.8mm (d) and 0.27Kg / 2.13in (dia) x 3.26in (d) and 0.60lb Camera with standard lens: 218.20mm (d) x 74.4mm (w) x 65.5mm (h) and 0.57Kg / 8.59in (d) x 2.93in (w) x 2.58in (h) and 1.26lb Telephoto lens only: 52mm (dia) x 90.5mm (d) and 0.32Kg / 2.05in (dia) x 3.56in (d) and 0.71lb Camera with telephoto lens: 225.9mm (d) x 74.4mm (w) x 65.5mm (h) and 0.62Kg / 8.89in (d) x 2.93in (w) x 2.58in (h) and 1.43lb
Regulatory	EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, EN 50130-4, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, IEC60068-2-27 (Shock), IEC60068-2-6 (Sine Vibration), UL60950	
Housing	Diecast aluminium alloy	
Electrical	PoE (802.3af Class 0) or 12V DC / 24V AC; 6W. Power supply ordered separately (Product code: 110064; 130176)	
Operating Temperature	-10°C to 50°C (14°F to 122°F)	
Cold Start	0°C (32°F)	
IndigoVision Software Requirements	Control Center v14.1 or later	Control Center v13.2 or later
Supported Internet Browsers	Internet Explorer v11.0 or later	
ONVIF	Profile S	

* 4MP and 3MP resolution only available on 4MP variant. ** 12MP, 4K and 5MP (30fps) resolution only available on 4K variant. *** SDCard Storage independent of IndigoVision's NVRs.

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: BX620-FC 19.5 NOV 19

Minidome Cameras

High-end: performance, not price tag.

With BX HD, 4MP and 4K Minidome Cameras you get supreme connectivity and flexibility, combined with great video and audio. You also get maximum reliability, and the other significant benefits of IndigoVision's Distributed Network Architecture. BX HD, 4MP and 4K Minidome Cameras deliver a different dimension of safety when combined with IndigoVision's Control Center.

Key Features

HD | **4MP** | **4K** | **Day/Night** | **WDR**

H.264 | **UP TO 30fps** | **G.711**

Analytics | **Motion Detection**

DNA | **PoE** | **PoE+** | **Onvif** | **CyberVigilant®**

Outdoor | **IR** | **IK10** | **Low Temp**

Product Codes

BX420 Minidome Cameras	Product Code
Environmental Vandal Resistant HD Minidome Camera	610460
Environmental Vandal Resistant 4MP Minidome Camera	611460
Environmental Vandal Resistant 4K Minidome Camera	614460

SENSOR

COMPRESSION

INTELLIGENCE

OTHER

PHYSICAL

Dimensions

View on Side Face

159mm / 6.26in

117.9mm / 4.64in

Ø3.5in / 2.50in

Mounting Hole Pattern

140mm / 5.51in

Ø 5.00mm / 0.20in

Specification

Camera Features	HD	4MP	4K
Sensor	1/3" Progressive CMOS		1/1.7" Progressive CMOS
Active Pixels (HxV)	HD (1920x1080)	4MP (2560x1440)	12MP (4000 x 3000)
Minimum Sensitivity	Day: 0.01 Lux (color). Night: 0.001 Lux (mono). 30 IRE, F1.4, 1/30s shutter	Day: 0.01 Lux (color). Night: 0.001 Lux (mono). 30 IRE, F1.4, 1/15s shutter	Day: 0.05 Lux (color). Night: 0.005 Lux (mono). 30 IRE, F1.4, 1/15s shutter
Dynamic Range	WDR > 120dB		WDR > 100dB
Gain Control	Auto/Manual		
Back Light Compensation	On/Off		
White Balance Mode	Auto/Manual		
Day/Night	True Day/Night with Mechanical IR Cut Filter		
IR Illuminator	Built-in IR Illuminator 850nm wavelength, effective distance >50m		
Video Resolution	4000x3000 pixels (12MP)**; 4096x2160 pixels (8MP)**; 3840x2160 pixels (8MP)**; 3072x2048 pixels (6MP)**; 2560x1440 pixels (4MP)*; 2304x1296 pixels (3MP)*; 1920x1080 pixels (HD); 1280x960 pixels (1.3MP); 1280x720 pixels (720p); 704x576 pixels (D1);704x480 pixels (D1) 352x288 pixels (SIF); 352x240 pixels (SIF)		
Signal/Noise Level	> 50db		
Lens Options	2.7mm - 12mm, Horizontal view angle 100° (W) 33° (T), F1.4, Vari-focal, M14 mount with Remote Zoom/Focus		4.1mm - 16.4mm, Horizontal view angle 105 (W) 35° (T), F1.4, Vari-focal, M14 mount with Remote Zoom/Focus
Iris Control	Auto Iris		
Shutter	Rolling; Auto from 1/3 - 1/10,000 sec		
Exposure Control	Auto/Low Noise/Low Motion Blur/Manual		
Video Compression	Full frame rate, full color: H.264/MJPEG ; up to 30fps (ISO 14496-10)		
Video Bit Rate	User-configurable bit rates from 64Kbps up to 10Mbps		
Privacy Zones	4 User Defined		
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections. Up to four 8Mbps unicast connections; Up to sixteen 1Mbps unicast connections		
Video Multi-Encoder	Up to two simultaneous resolutions including: 12MP (20fps)**, 4K(30fps)**, 5MP(30fps)**, 4MP (20fps)*, 3MP (30fps)*, 1080p (30fps), 720p (30fps), D1 (30fps), SIF (30fps)		
Video Analytics	Motion Detection, Tripwire, Intrusion, Abandoned Object, Missing Object, Scene Change, Video Tamper, Defocus Detect, Face Detection		
Audio Compression	G.711		
Audio Bit Rate	32Kbps per channel		
Audio Resolution	Full Duplex, 8kHz or 16kHz sample rate. Mono Input, Mono Output		
Audio Analytics	Audio Intensity High, Audio Input Abnormal		
Audio Input	Line in, terminal block connector		
Audio Output	Line out, terminal block connector		
Binary Input/Output	1 Pull up input for non powered contacts; 1 Solid state open collector output, Max 5.0V, 30mA		
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, SSH, PPPoE, uPnP, QoS, DHCP		IEEE802.3 and IETF standards: 100/1000 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, SSH, PPPoE, uPnP, QoS, DHCP
Network Security	HTTPS, IP Filter, IEEE 802.1x		
CyberVigilant® Technology	Yes		
Time	Embedded real-time clock, NTP client		
SD Storage	microSDHC 128GB support (card not included)***		
Dimensions/Weight	159mm (dia) x 117.9mm (h) and 0.8Kg / 6.26in (dia) x 4.64in (h) and 1.764lb		
Regulatory	EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, EN 50130-4, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, IEC60068-2-27 (Shock), IEC60068-2-6 (Sine Vibration), UL60950		
Housing	White vandal resistant aluminium alloy with clear polycarbonate dome		
Protection Rating	IP67, IK10 (IEC 62262)		
Electrical	Camera only: PoE (802.3af Class 0) or 12V DC @ 0.33A; 4W. Camera including heater: PoE (802.3af Class 0) or 12V DC @ 1.0A; 12W. Power supply ordered separately (Product code: 110064; 130176)		Camera only PoE+ (802.3at Class 4) or 12V DC/24V AC, 9W Camera including heater: PoE+ (802.3at Class 4) or 12V DC/24V AC, 19W. Power supply ordered separately (Product code: 110064; 130176)
Operating Temperature	-40°C to 60°C (-40°F to 140°F)		
Cold Start	-30°C (-22°F)		
IndigoVision Software Requirements	Control Center v14.1 or later (4K); Control Center v13.2 or later (HD & 4MP)		
Supported Internet Browsers	Internet Explorer v11.0 or later		
ONVIF	Profile S		

* 4MP and 3MP resolution only available on 4MP variant. ** 12MP, 4K and 5MP (30fps) resolution only available on 4K variant. *** SDCard Storage independent of IndigoVision's NVRs.

30x Optical

PTZ Dome Cameras

High-end: performance, not price tag.

With BX HD and 4MP PTZ Dome Cameras you get supreme connectivity and flexibility, combined with great video and audio. You also get maximum reliability, and the other significant benefits of IndigoVision's Distributed Network Architecture. BX HD and 4MP PTZ Dome Cameras deliver a different dimension of safety when combined with IndigoVision's Control Center.

Key Features

HD | 4MP | Day/Night | WDR | Stabilisation

H.265 | H.264 | UP TO 60fps | G.711

Analytics | Motion Detection

DNA | PoE+ | Onvif

Outdoor | IK10 | Low Temp | In-Ceiling

Product Codes

BX520 PTZ Dome Cameras	Product Code
In-Ceiling HD PTZ Dome	610500
Environmental Pendant HD PTZ Dome	610560
In-Ceiling 4MP PTZ Dome	611500
Environmental Pendant 4MP PTZ Dome	611560

SENSOR

COMPRESSION

INTELLIGENCE

OTHER

PHYSICAL

Dimensions: In-Ceiling

198mm / 7.80in
5in
98.0mm / 3.86in
170mm / 6.69in
150mm / 58.91in

View on Side Face

Dimensions: Environmental Pendant

47.0mm / 1.85in
25.00mm / 0.98in
9.00mm / 0.35in
140mm / 5.51in
253mm / 9.98in
140mm / 5.51in
186mm / 7.32in

View on Side Face

Dimensions: Wall Mount

228.5mm / 8.9in
84mm / 3.31in
160mm / 6.3in
118mm / 4.69in
M3
G1 1/2
9mm / 0.35in
48mm / 1.89in
Ø 4-9mm / 0.35

View on Side Face   **View on Front Face**

Specification

Camera Features	HD	4MP
Sensor	1/2.8" STARVIS™ CMOS	1/2.8" Progressive CMOS
Active Pixels (HxV)	HD (1920 x 1080)	4MP (2560 x 1440)
Minimum Sensitivity	Day: 0.01 Lux (color). Night: 0.001 Lux (mono). 30 IRE, F1.6, 1/30s shutter	Day: 0.05 Lux (color). Night: 0.01 Lux (mono). 30 IRE, F1.6, 1/10s shutter
Dynamic Range	WDR>120dB	
Gain Control	Auto/Manual	
Back Light Compensation	On/Off	
White Balance Mode	Auto/Manual	
Day/Night	True Day/Night with Mechanical IR Cut Filter	
Video Resolution	2560 x 1440 pixels (4MP)**; 1920x1080 pixels (1080p); 1280x720 pixels (720p); 720x576 pixels (D1); 352x288 pixels (SIF)	
Signal/Noise Level	> 50dB	
Lens Options	4.3mm - 129mm Horizontal view angle 66.5°(W) 3.25° (T), F1.6 to F4.4, Auto focus with manual override	
Zoom	30x optical + 10x digital	
Iris Control	Auto with manual override	
Shutter	Rolling; Auto from 1 - 1/10000 sec	
Exposure Control	Auto/Manual/Slow AE/Shutter-priority/Iris-priority	
Image Stabilizer	On/Off	
Video Compression	Full frame rate, full color: H.265[1]/H.264/MJPEG ; up to 60fps (ISO 14496-10)	
Video Bit Rate	User-configurable bit rates from 64Kbps up to 8Mbps	
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections. Up to four 8Mbps unicast connections; Up to sixteen 1Mbps unicast connections	
Video Multi-Encoder	4MP (30fps), 1080p (60fps), 720p (30fps), D1 (30fps), SIF (30fps)	
Video Analytics^	Motion Detection, Tripwire, Intrusion, Abandoned Object, Missing Object, Scene Change, Video Tamper, Face Detection	
Intelligence	Heat Map	
Audio Compression	G.711	
Audio Bit Rate	32Kbps per channel	
Audio Resolution	Full Duplex 8kHz sample rate. Mono Input, Mono Output	
Audio Analytics^	Audio Input Abnormal, Audio Intensity High	
Audio Input	Line in	
Audio Output	Line out	
Binary Input/Output	2 Pull up inputs for non powered contacts; 1 solid state opto-isolated relay output, Max 24V, 500mA	
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, PPPoE, uPnP, QoS, DHCP	
Network Security	HTTPS, IP Filter, IEEE 802.1x	
Time	Embedded real-time clock, NTP client	
SD Storage	microSDHC 128GB support (card not included)*	
Dimensions/Weight	InCeiling - 198mm (dia) x 170mm (h) and 2.2Kg / 7.8in (dia) x 6.69in (h) and 4.85lbs Environmental Pendant - 186mm (dia) x 253mm (h) and 2.5Kg / 7.32in (dia) x 9.96in (h) and 5.51lbs	
Regulatory	EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, AS/NZS CISPR 22, FCC Part 15 Subpart B Class A, EN 50130-4, EN 50121-4***, UL 60950-1, UL 60950-22, AS/NZS CISPR 24, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11	
Housing	Vandal resistant aluminium alloy and Polycarbonate/ABS housing and clear polycarbonate dome including 400mm cable bundle	
Protection Rating	InCeiling - IP66/IK10 Environmental Pendant - IP67/IK10	
Electrical	InCeiling - PoE + (802.3at Class 4) or 24V AC, 13W. Power supply ordered separately (Product code: 130176) Environmental Pendant - Camera Only: PoE + (802.3at Class 4) or 24V AC, 13W. Power supply ordered separately (Product code: 130176) Camera with Heater: PoE + (802.3at Class 4) or 24V AC, 23W. Power supply ordered separately (Product code: 130176)	
Operating Temperature	InCeiling - -10°C to 60°C (-14°F to 140°F) Environmental Pendant - -20°C to 60°C / -4°F to 140°F (PoE+ Power); -40°C to 60°C / -40°F to 140°F (24V AC Power)	
Cold Start	InCeiling - -10°C (-14°F) Environmental Pendant - -20°C (-4°F)	
Supplied Accessories	InCeiling - N/A Environmental Pendant - Wall Mount bracket with 1.5" BSP Thread Adaptor	
IndigoVision Software Requirements	Control Center v13.2 or later	
Supported Internet Browsers	Internet Explorer v11.0 or later	
ONVIF	Profile S	

PTZ Control			
Preset	300	Pan Range	360° Continuous Rotation
Preset Tours	8	Tilt Range	180°
Pattern/Mimic Tours	5	Pan/Tilt Speed	Pan Speed - 0.5-350°/s, Tilt Speed - 0.5-250°/s
Privacy Zones	24 User Defined	Pan/Tilt Warranty	Moving part warranty limited to 2 million Pan and Tilt Operations

* SDCard Storage independent of IndigoVision's NVRs. **4MP resolution available on 4MP variant. [1] H.265 requires Control Center 16.0 or later. H.265 streaming is supported only on 2MP or lower resolutions. *** Only on pendant version. ^ Integration into Control Center as Basic Analytics only Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: RBX-PTZ 20.6 NOV 20

IndigoVision®
a Motorola Solutions Company

360°

Fisheye Cameras

Amazing Megapixel video that delivers detail from every angle

Part of IndigoVision's professional BX Range, the Fisheye Camera delivers 360° visibility with pinsharp detail. When used as part of IndigoVision's end-to-end system, any single point of failure is removed through IndigoVision's Distributed Network Architecture (DNA) technology.

Key Features

6MP | 12MP | Day/Night | WDR

H.264 | UP TO 30fps | G.711

Analytics | Motion Detection

DNA | PoE | ONVIF

Outdoor | IR | IK10 | Integral Mic

SENSOR

COMPRESSION

INTELLIGENCE

OTHER

PHYSICAL

Product Codes

BX720 Fisheye Cameras	Product Code
6MP Fisheye Camera with Built-In IR Illuminator	612740
12MP Fisheye Camera with Built-In IR Illuminator	614740

Dimensions

150mm / 5.91in		Ø145mm / 5.7"
46.2mm / 1.82in	33.7mm / 1.33in 47.7mm / 1.88in	Ø130.9mm / 5.15"
		3-5 [Ø0.2mm / 0.008"]
View on Top Face	View on Side Face	Mounting Hole Pattern
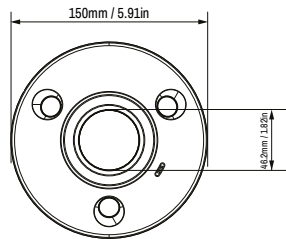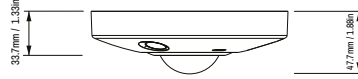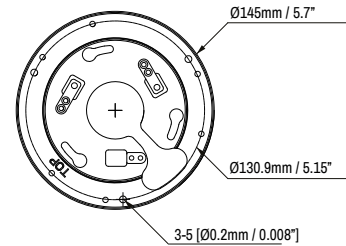
Specification

Camera Features	6MP	12MP
Sensor	1/1.8" Progressive CMOS	1/1.7" Progressive CMOS
Active Pixels (HxV)	6MP (3072x2048)	12MP (4000x3000)
Minimum Sensitivity	Day: 0.02 lux (colour). Night: 0 lux (mono). 30 IRE, F2.0, 1/30s shutter	Day: 0.01 lux (colour). Night: 0 lux (mono). 30 IRE, F2.8, 1/30s shutter
Dynamic Range	WDR 100dB Max	
Gain Control	Auto/Manual	
Back Light Compensation	On/Off	
White Balance Mode	Auto, Natural, Streetlamp, Outdoor, Manual, Regional Custom	
Day/Night	True Day/Night with Mechanical IR Cut Filter	
IR Illuminator	Built-in IR Illuminator 850nm wavelength, effective distance >10m	
Video Resolution	3072x2048 (6MP) 2048x2048 (4MP) 1600x1200 (2MP) 2048x1536 (3MP) 1280x720 (720P) 704x576 (D1) 704x480 (D1) 352x288 (SIF) 352x240 (SIF)	4000x3000 (12MP) 2880x2880 (8MP) 2880x2160 (6MP) 2048x1536 (3MP) 1280x720 (720P) 704x576 (D1) 704x480 (D1) 352x288 (SIF) 352x240 (SIF)
Signal/Noise Level	> 50dB	
Lens Options	1.7mm, Horizontal view angle 180°x180°, F2.0, Fixed Iris	1.98mm, Horizontal view angle 180°x180°, F2.8, Fixed Iris
Shutter	Rolling; Auto from 1/3 - 1/100,000 sec	
Exposure Control	Auto / Gain Priority / Shutter Priority / Manual	
Video Compression	Full frame rate, full colour: H.264/MJPEG ; up to 30fps	
Video Bit Rate	User-configurable bit rates from 3Kbps up to 16834Kbps are selectable	
Privacy Zones	4 User Defined	
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections. Up to two 16Mbps unicast connections; Up to four 8Mbps unicast connections; Up to sixteen 1Mbps unicast connection	
Video Multi-Encoder	Edge Dewarping: Dual Streaming 3MP (2048 x 1536) @ 30fps + D1/SIF @ 30fps Native: Dual Streaming 12MP (4000x3000)* @ 25fps + D1/SIF @ 30fps or 3MP 2048x1536 pixels + or 6MP (3072 x 2048) @ 30fps + 720P @ 30fps	
Video Analytics	Motion Detection, Tripwire, Intrusion, Video Tamper, Scene change, Audio	
Intelligence	Heat Map	
Audio Compression	G.711Mu / AAC	
Audio Bit Rate	16-96Kbps per channel	
Audio Dual Encoder	Main Stream: 1 Stream Configuration plus Sub Stream: 1 Stream Configuration	
Audio Resolution	Full Duplex, G.711Mu 8 KHz sample rate, AAC is configurable with options 8, 16, 32 and 48 KH, Mono Input, Mono Output	
Audio Analytics	Audio Input Abnormal, Audio Intensity High	
Audio Input	Built-in microphone or Line in, RCA connector	
Audio Output	Line out, RCA connector	
Binary Input/Output	2 Pull up inputs for non powered contacts; 2 relay outputs, 30VDC 1A/ 50VAC 0.5A	
Network Interface	EEE802.3 and IETF standards: 100/1000 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, PPPoE, uPnP, QoS, DHCP	
Network Security	HTTPS, IP Filter, IEEE 802.1x	
CyberVigilant® Technology	Yes	
Time	Embedded real-time clock, NTP client	
SD Storage	microSDHC 128GB support (card not included)**	
Dimensions/Weight	150mm (dia) x 47.7mm (h) and 0.58Kg / 5.91in (dia) x 1.88in (h) and 1.28lbs	
Regulatory	EN 55032, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, EN 50130-4, EN 60068-2-29, EN 60068-2-6, EN 60068-2-64, EN 60068-2-1, EN 60068-2-2, EN 60068-2-30, UL, EN 60529, EN 62262	
Housing	White vandal resistant aluminium alloy including 500mm cable bundle	
Protection Rating	P67, IK10	
Electrical	PoE (802.3af Class 0) or 12V DC @ 1.1A; 13W Power supply ordered separately (Product code: 110068; 130176)	
Operating Temperature	-30°C to 60°C (-22°F to 140°F|)	
Cold Start	-30°C (-22°F)	
IndigoVision Software Requirements	Control Center v15.4 or later	
Supported Internet Browsers	Internet Explorer v11.0 or later	
ONVIF	Profile S	

**SDCard Storage independent of IndigoVision's NVRs.

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: RBX-6MP-12MP_FISH 20.0 NOV 20

IndigoVision®
a Motorola Solutions Company

180°

8MP Panoramic Dome Camera

Amazing Megapixel video that delivers detail from every angle

Part of IndigoVision's professional BX Range, the Panoramic Dome Camera delivers 180° visibility with pin-sharp detail. Video is seamlessly stitched into a single image direct from the camera. When used as part of IndigoVision's end-to-end system, any single point of failure is removed through IndigoVision's Distributed Network Architecture (DNA) technology.

Key Features

SENSOR

8MP | Day/Night | WDR

COMPRESSION

H.264 | UP TO 25fps | G.711

INTELLIGENCE

Analytics | Motion Detection

OTHER

DNA | PoE+ | ONVIF

PHYSICAL

Outdoor | IR | IK10

Product Codes

BX720 Panoramic Dome Camera	Product Code
BX720 8MP 180° Panoramic Dome Camera with Built-In IR Illuminator	613740

Dimensions

212mm / 8.35"

169.5mm / 6.67"

View on Side Face

212mm / 8.35"

View on Top Face

225mm / 8.86in
20mm / 0.79in
58mm / 2.28in
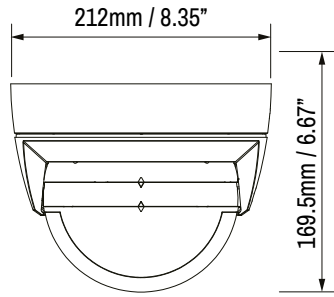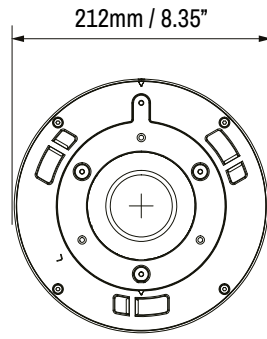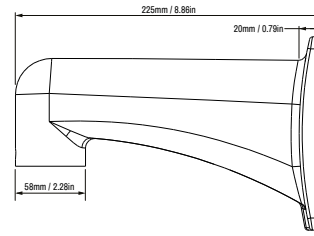
Wall Mount Bracket (Side Face)

115mm / 4.53in
84mm / 3.31in
119mm / 4.69in
160mm / 6.30in
4mm / 0.16in
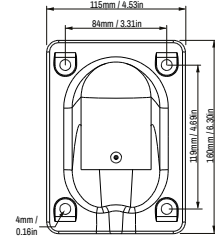
Wall Mount Bracket (Front Face)

Specification

Camera Features	
Sensor	Four 1/2.8" 2 Megapixel Progressive Scan CMOS
Active Pixels (HxV)	8MP (4096 x 1800)
Minimum Sensitivity	Day: 0.05 lux (color). Night: 0.005 lux (mono). 30 IRE, F2.0, 1/30s shutter
Dynamic Range	WDR >100dB
Gain Control	Auto/Manual
Back Light Compensation	BLC / HLC / DWDR
White Balance Mode	Auto / Natural / Street Lamp / Outdoor / Manual
Day/Night	True Day/Night with Mechanical IR Cut Filter
IR Illuminator	Built-in IR Illuminator 850nm wavelength, effective distance >30m, 180°
Video Resolution	4096x1800; 3840x1680; 2880x1264; 1024x452
Lens Options	Four 3.0mm, Horizontal view angle 180°, Vertical view angle 80°, F2.0, Fixed Iris, board mount
Video Compression	Full frame rate, full colour: H.264/MJPEG ; up to 25fps (ISO 14496-10)
Video Bit Rate	User-configurable bit rates from 500Kbps up to 10Mbps
Privacy Zones	Off / On (4 Area, Rectangle)
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections. Up to four 8Mbps unicast connections
Video Multi-Encoder	Up to two simultaneous resolutions including: 4096x1800@25fps plus 1024x452@25fps (PAL Region) or 4096x1800@20fps plus 1024x452@30fps (NTSC Region)
Video Analytics^	Motion Detection, Tripwire, Intrusion, Abandoned Object, Missing Object, Scene Change, Video Tamper, Face Detection
Intelligence	People Counting, Heat Map
Audio Compression	G.711, AAC
Audio Bit Rate	32Kbps per channel
Audio Resolution	Full Duplex. Mono Input, Mono Output G.711: 8kHz sample rate. AAC: 8kHz, 18kHz, 32kHz or 48kHz sample rate
Audio Analytics^	Audio Input Abnormal, Audio Intensity High
Audio Input	Line in, RCA connector
Audio Output	Line out, RCA connector
Binary Input/Output	2 Pull up input for non powered contacts; 2 Solid state open collector output, Max 30.0V, 0.5A
Network Interface	IEEE802.3 and IETF standards: 100/1000 Base-T Ethernet, HTTP; HTTPs; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP
Network Security	HTTPS, IP Filter, IEEE 802.1x
Time	Embedded real-time clock, NTP client
SD Storage	microSDHC 128GB support (card not included)*
Dimension/Weight	212mm (dia) x 169.5mm (h) and 3.6Kg / 6.67in (dia) x 7.13in (h) and 7.93lbs
Regulatory	EN 55032, EN 55024, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, EN 50130-4, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, IEC60068-2-27 (Shock), IEC60068-2-6 (Sine Vibration), UL60950-1
Housing	White vandal resistant aluminium alloy including 400mm cable bundle
Protection Rating	IP67, IK10 (IEC 62262)
Electrical	PoE+ (802.3at Class 4) or 24V AC @1.1A; 20W
Operating Temperature	-40°C to 60°C (-40°F to 140°F)
Cold Start	-20°C (-4°F)
Supplied Accessories	Wall Mount Bracket
IndigoVision Software Requirements	Control Center v14.0 or later
Supported Internet Browsers	Internet Explorer v11.0 or later
ONVIF	Profile S

* SDCard Storage independent of IndigoVision's NVRs.
^ Integration into Control Center as Basic Analytics only

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: RBX-HD_PANO 19.2 MAY 19

![IndigoVision® a Motorola Solutions Company]

HD Bullet Camera

Seamless open standard High Definition video

Part of IndigoVision's GX Range, the High Definition (HD) Bullet Camera (GX620) delivers pin sharp detail at 2MP resolution that is fully ONVIF conformant. Any single point of failure in the system is removed through IndigoVision's Distributed Network Architecture (DNA).
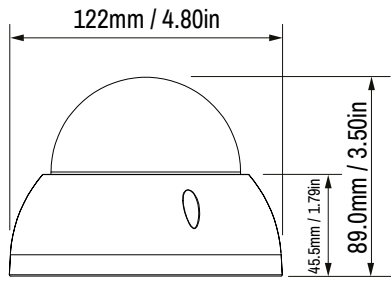
Key Features

SENSOR

HD | Day/Night | WDR

COMPRESSION

H.264 | UP TO 30fps

INTELLIGENCE

Motion Detection

OTHER

DNA | PoE | ONVIF

PHYSICAL

Outdoor | IR | IK10

Product Codes

GX620 Bullet Camera	Product Code
GX620 HD Bullet Camera with built-in IR illuminator	510640

Dimensions

View on Side Face

221.5mm / 8.72in
142.7mm / 5.62in

View on Front Face

90.4mm / 3.56in
90.4mm / 3.56in

Mounting Hole Pattern

Ø 90.4mm / 3.56in
Ø 70.0mm / Ø 2.76in
Ø 4.70mm / Ø 0.19in

Specification

Camera Features	
Sensor	1/2.7" Progressive CMOS
Active Pixels (HxV)	HD (1920x1080)
Minimum Sensitivity	Day: 0.1 lux (color). Night: 0.01 lux (mono) 30 IRE, F1.4, 1/15s shutter
Dynamic Range	WDR > 100dB
Gain Control	Auto
Back Light Compensation	On/Off
White Balance Mode	Auto/Manual
Day/Night	True Day/Night with Mechanical IR Cut Filter
IR Illuminator	Built-in IR Illuminator 850nm wavelength, effective distance >50m
Video Resolution	1920x1080 pixels (1080p); 1280x720 pixels (720p); 704x480 pixels (4SIF); 352x240 pixels (SIF)
Signal/Noise Level	> 50dB
Lens Options	2.7mm - 12mm, Horizontal view angle 93° (W) 35° (T), F1.4, Vari-focal, M14 mount with Remote Zoom/Focus
Iris Control	Fixed Iris
Shutter	Rolling; Auto from 1/3 to 1/100,000 sec
Exposure Control	Auto/Manual/Shutter Priority/Manual Priority
Video Compression	Full frame rate, full color: H.264/MJPEG ; up to 30fps @ 1080p resolution
Video Bit Rate	User-configurable bit rates from 56kbps (SIF) up to 8Mbps (HD)
Video Multi-Streaming	Up to 16Mbps total video output; Unlimited multicast connections. Up to four 4Mbps unicast connections; Up to eight 1Mbps unicast connections
Video Multi-Encoder	Two simultaneous resolutions including: up to 1080p (30fps) plus 720p (14fps) or 4SIF (30fps) or SIF (30fps) Or two simultaneous resolutions including: up to 1080p (25fps) plus 720p (25fps) or 4SIF (25fps) or SIF (25fps) Or two simultaneous resolutions including: up to 720p (30fps) plus 720p (30fps) or 4SIF (30fps) or SIF (30fps)
Video Analytics	Motion Detection/Video Tamper
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, SSH, PPPoE, uPnP, QoS, DHCP
Network Security	HTTPS, IP Filter, IEEE 802.1x
Time	NTP client
SD Storage	microSDHC 128GB support (card not included)*
Dimension/Weight	90.4mm (dia) x 221.5mm (l) 0.65Kg (with sun shade) / 3.56in (dia) x 8.72in (l) 1.43lbs (with sun shade)
Regulatory	EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, AS/NZS CISPR 22, FCC Part 15 Subpart B Class A, EN 50130-4, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, EN 55024, UL60950
Housing	Vandal resistant diecast aluminium alloy with polycarbonate sun shade including 300mm cable bundle
Protection Rating	IP67, IK10 (IEC 62262)
Electrical	PoE (802.3af Class 0) 11W. 12V DC -/+ 10%. Power supply ordered separately (Product code: 110068, 130176)
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Cold Start	-10°C (14°F)
IndigoVision Software Requirements	Control Center v14.0 or later
Supported Internet Browsers	Internet Explorer v11.0 or later
ONVIF	Profile S

* SDCard Storage independent of IndigoVision's NVRs.

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: GX620-HD_BC 19.1 MAR 19

HD Pan/Tilt Minidome Camera

Seamless open standard High Definition video

Part of IndigoVision's GX Range, the High Definition (HD) Pan/Tilt Minidome Camera (GX420) delivers pin sharp detail at 2MP resolution that is fully ONVIF conformant. Any single point of failure in the system is removed through IndigoVision's Distributed Network Architecture (DNA).

Key Features

HD | Day/Night | WDR

H.264 | UP TO 30fps

Motion Detection

DNA | PoE | ONVIF

Outdoor | IK08

Product Codes

GX420 Pan/Tilt Minidome Camera	Product Code
GX420 HD Pan/Tilt Minidome	510441
GX420 HD Pan/Tilt Minidome Wallmount	510442

SENSOR

COMPRESSION

INTELLIGENCE

OTHER

PHYSICAL

Dimensions

View on Side Face

122mm / 4.80in
89.0mm / 3.50in
45.5mm / 1.79in

Mounting Hole Pattern
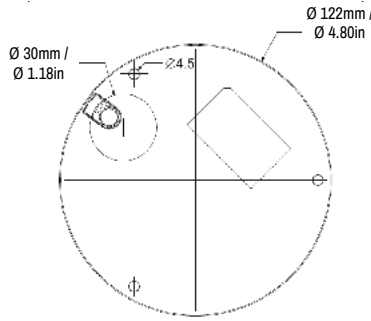
Ø 30mm / Ø 1.18in
Ø 122mm / Ø 4.80in
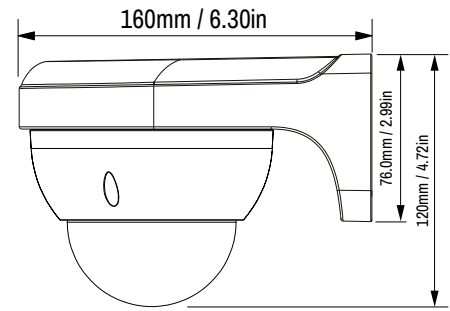
Camera with Wallmount Bracket

160mm / 6.30in
76.0mm / 2.99in
120mm / 4.72in

Specification

Camera Features	
Sensor	1/2.7" Progressive CMOS
Active Pixels (HxV)	HD (1920x1080)
Minimum Sensitivity	Day: 0.1 lux (color). Night: 0.01 lux (mono). 30 IRE, F1.4, 1/15s shutter
Dynamic Range	WDR > 100dB
Gain Control	Auto/Manual setting across a 40dB range
Back Light Compensation	On/Off
White Balance Mode	Auto
Day/Night	True Day/Night with Mechanical IR Cut Filter
Video Resolution	1920x1080 pixels (1080p); 1280x720 pixels (720p); 704x480 pixels (4SIF); 352x240 pixels (SIF)
Lens Options	2.7mm - 11mm, Horizontal view angle 112.5° (W) 30° (T), F1.6, Vari-focal, M14 mount with Remote Zoom/Focus
Iris Control	Fixed Iris
Shutter	Progressive 1/1 ~ 1/30,000 sec
Exposure Control	Auto/Aperture Priority/Shutter Priority/Gain Priority/Manual
Gimbal Adjustment	2 axis adjustment; suitable for surface mount on ceiling without additional mount; GX420 HD Pan/Tilt Minidome Wallmount order option includes Wallmount bracket
Video Compression	Full frame rate, full color: H.264/MJPEG; up to 30fps @ 1080p resolution
Video Bit Rate	User-configurable bit rates from 56kbps (SIF) up to 8Mbps (HD)
Video Multi-Streaming	Up to 16Mbps total video output; Unlimited multicast connections. Up to four 4Mbps unicast connections; Up to eight 1Mbps unicast connections
Video Multi-Encoder	Two simultaneous resolutions including: up to 1080p (30fps) plus 720p (14fps) or 4SIF (30fps) or SIF (30fps) Or two simultaneous resolutions including: up to 1080p (25fps) plus 720p (25fps) or 4SIF (25fps) or SIF (25fps) Or two simultaneous resolutions including: up to 720p (30fps) plus 720p (30fps) or 4SIF (30fps) or SIF (30fps)
Video Analytics	Motion Detection/Video Tamper
Pan Range	0° - 355° Rotation
Tilt Range	20° - 90°
Pan/Tilt	Pan/Tilt functionality is intended for remote positioning during installation and configuration only. It is not intended for operational use to track moving objects
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, TCP, UDP, RTP, RTSP, HTTP, uPnP, DHCP
Network Security	HTTPS, IP Filter, IEEE 802.1x
Time	NTP client
SD Storage	microSDHC 128GB support (card not included)*
Dimensions/Weight	Camera only: 122mm (dia.) x 89mm (h) and 0.5kg / 4.80in (dia.) x 3.50in (h) and 1.102lb Wallmount: 122mm (dia.) x 76mm (h) x 160mm (l) and 0.5Kg / 4.80in (dia.) x 3.00in (h) x 6.30in (l) and 1.10lbs
Regulatory	EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, AS/NZS CISPR 22, FCC Part 15 Subpart B Class A, EN 50130-4, AS/NZS CISPR 24, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, UL60950
Housing	Diecast aluminium alloy with polycarbonate dome including 500mm cable bundle
Protection Rating	IP67, IK08 (IEC 62262)
Electrical	PoE (802.3af Class 0) 10W. 12V DC -/+ 10%. Power supply ordered separately (Product code: 110064, 130176)
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Cold Start	-10°C (14°F)
IndigoVision Software Requirements	Control Center v14.0 or later
Supported Internet Browsers	Internet Explorer v11.0 or later
ONVIF	Profile S

* SDCard Storage independent of IndigoVision's NVRs.

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: RGX-HD_MINI_PT 19.1 MAR 19

IndigoVision®
a Motorola Solutions Company

36x Optical

HD Interceptor PTZ Cameras

Ruggedised camera with built-in IR and white light

With integrated white and infrared lighting, flat glass and 216mm lens the IndigoVision High Definition (HD) Interceptor PTZ Camera delivers amazing 1080p video, regardless of ambient light. Ruggedised, with IP68 and IK10 rating, and with an operating temperature range of -40ºC to 60ºC, the Interceptor can easily cope with the most challenging environments.

Key Features

HD	Day/Night	WDR
H.264	UP TO 25fps
DNA	Onvif	NDAA
Outdoor	IR	IK10	Low Temp

Product Codes

HD Interceptor PTZ Cameras	Product Code*
HD Interceptor PTZ Camera	511485
HD Interceptor PTZ Camera, IR250W Illuminator, Sunshroud	511486
HD Interceptor PTZ Camera, IR275 Illuminator, Sunshroud	511487
HD Interceptor PTZ Camera, IR550S Illuminator	511488

* Includes Hinge Mount.

Accessories	Product Code
HD Interceptor Universal PSU	110282
HD Interceptor Wall Mount Bracket	110275
HD Interceptor Corner Mount Bracket	110276
HD Interceptor Pole Mount Bracket	110277
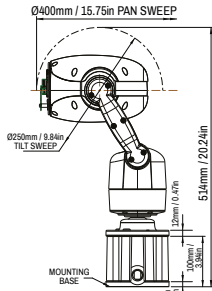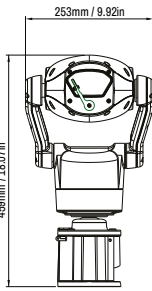
SENSOR

COMPRESSION

OTHER

PHYSICAL

Dimensions

| Standard | IR250W & IR275 | IR550S |
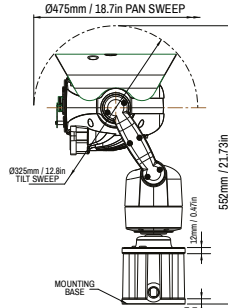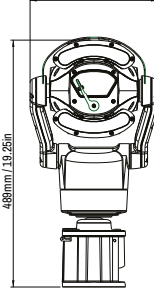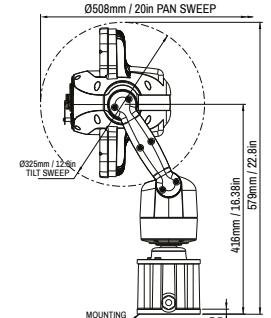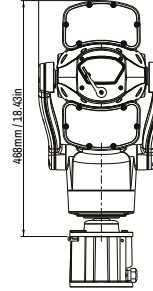
Standard:
- 253mm / 9.92in
- Ø400mm / 15.75in PAN SWEEP
- 459mm / 18.07in
- 514mm / 20.24in
- Ø250mm / 9.84in TILT SWEEP
- 12mm / 0.47in
- 100mm / 3.94in
- 10mm / 0.39in
- Ø10mm / 0.39in (x4) ON 101.6mm / 4in PCD
- Ø125mm / 4.92in MOUNTING BASE
- MOUNTING BASE

View on Bottom Face | View on Front Face | View on Side Face

IR250W & IR275:
- 253mm / 9.92in
- Ø475mm / 18.7in PAN SWEEP
- 552mm / 21.73in
- Ø325mm / 12.8in TILT SWEEP
- 12mm / 0.47in
- 10mm / 0.39in
- MOUNTING BASE

View on Front Face | View on Side Face

IR550S:
- 249mm / 9.8in
- Ø508mm / 20in PAN SWEEP
- 468mm / 18.43in
- 579mm / 22.8in
- Ø325mm / 12.8in TILT SWEEP
- 416mm / 16.38in
- 10mm / 0.39in
- MOUNTING BASE

View on Front Face | View on Side Face

Specification

Camera Features	Standard	Standard + IR250W Illuminator	Standard + IR275 Illuminator	Standard + IR550S Illuminator
Sensor	1/1.9" Sony Exmor			
Active Pixels (HxV)	HD (1920x1080)			
Minimum Sensitivity	Day: 0.002 Lux (color). Night: 0.0002 Lux (mono). 30 IRE, F1.6, 1/30s shutter			
Dynamic Range	WDR 120dB Max			
Gain Control	Exposure Offset of -10.5 to +10.5dB			
Back Light Compensation	WDR and Night HLC are present			
White Balance Mode	Outdoor Auto, Auto, Outdoor, Indoor, Auto Tracing, Indoor A/B/C, Sodium, Sodium Auto A/B			
Day/Night	True Day/Night with Mechanical IR Cut Filter			
IR Illuminator	N/A	250m IR + 225m White Light	275m IR	550m IR
Video Resolution	1920x1080 pixels (1080p); 1280x720 pixels (720p); 720x576 pixels (D1); 352x288 pixels (SIF)			
Signal/Noise Level	> 50dB			
Lens Options	6mm-216mm Horizontal view angle 60° (W) 1.8° (T), F1.6 to F4.7, Autofocus with manual override			
Zoom	36x optical + 12x digital			
Shutter	Rolling; Plus Fast Shutter config for Off and 1/1000 to 1/30000			
Exposure Control	Auto/Manual/Slow AE/Shutter-priority/Iris-priority			
Video Compression	Full frame rate, full colour: H.264/MPEG4 & MJPEG; up to 25fps (ISO 14496-10)			
Video Bit Rate	User-configurable bit rates from 64Kbps up to 8Mbps			
Video Multi-Streaming	Up to 16Mbps total video output; Up to four 4Mbps unicast connections			
Video Multi-Encoder	Up to two simultaneous resolutions including: 1080p (25fps), 720p (25fps), D1 (25fps)			
Binary Input/Output	1 Binary relay output: 24V AC/DC @0.5A max			
Wiper	Integrated			
Sun Shroud	N/A	Included (Tilt range limited to 135°)	Included (Tilt range limited to 135°)	N/A
Tilt Sweep	Diameter 248mm	Diameter 270mm	Diameter 270mm	Diameter 270mm
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, TCP, UDP, RTP, RTSP, ICMP, IGMP, HTTP, HTTPS, PPPoE, uPnP, QoS, DHCP			
Time	Embedded real-time clock, SNTP client			
Dimenson/Weight	247mm (dia) x 350.5mm (h) and 8.99kg	250mm (dia) x 380mm (h) and 9.75kg	250mm (dia) x 380mm (h) and 9.75kg	250mm (dia) x 380mm (h) and 10kg
Regulatory	EN 55032, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, EN 50130-4, EN 55035, EN 62368-1, EN 60529, EN 62262, EN 60068-2-6, EN 60068-2-27, EN 60068-2-64, EN 60068-2-1, EN 60068-2-2, EN 60068-2-30			
Housing	White vandal resistant aluminium alloy			
Protection Rating	IP68, IK10			
Electrical	30V DC, 54W Max. 30V DC Power supply ordered seperately (Product code: 110282)	30V DC, 99W Max. 30V DC Power supply ordered seperately (Product code:110282)	30V DC, 99W Max. 30V DC Power supply ordered seperately (Product code:110282)	30V DC, 126W Max. 30V DC Power supply ordered seperately (Product code:110282)
Operating Temperature	-40°C to 60°C (-40°F to 140°F)			
Cold Start	-10°C (14°F)			
Mount Options	Hinge Mount*			
IndigoVision Software Requirements	Control Center v14.0 or later			
Supported Internet Browsers	Internet Explorer v11.0 or later			
ONVIF	Profile S			
NDAA	This product is compliant with the National Defense Authorization Act (NDAA). Section 889 of the NDAA prohibits the U.S. government from procuring video and telecommunications equipment from certain Chinese companies and their subsidiaries.			

PTZ Control

Preset	360	Pan Range	360° Continuous Rotation
Preset Tours	4	Tilt Range	180°
Pattern/Mimic Tours	4	Pan/Tilt Speed	Pan Speed - 0.1-120°/s, Tilt Speed - 0.1-120°/s
Privacy Zones	24 User Defined		

* Can be installed using standard CAT5/RJ45 cable and connectors.

Note: Images and dimensional drawings are for illustration purposes only, actual product may differ slightly.
Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: HD_INTER_PTZ 20.1 SEP 20

Thermal Temperature Screening Solution

Easy Installation. Instant Temperature Readings.

IndigoVision's Temperature Measurement Thermal Bullet Camera combined with the Blackbody is the perfect solution for obtaining quick contactless temperature readings. 2MP Optical lens in-built into the camera provides an optical stream when required. Integration into Control Center provides instant alarms for informed actions.

Key Features

Product Codes

Product Kit Description	Product Code
Thermal Temperature Screening Solution Kit	619672

Individual Product Description	Product Code
SP640-400T Temperature Measurement Thermal Bullet Camera	619670
Blackbody Heat Radiator for Thermal TSS Camera	619671
Tripod(s) for Thermal TSS Camera / Blackbody *	130050
Camera / Blackbody Adaptor Plate(s) for Thermal TSS *	130051

* 2 units required. One for Camera, one for Blackbody.

Ordering the Thermal Temperature Solution Kit provides all required parts for one setup. Parts can also be ordered separately using the Individual Codes

Camera Dimensions

103.8mm / 4.09in — 96.7mm / 3.8in

View on Front Face

70.0mm / 2.56in — 70.0mm / 2.56in — Ø 4.50mm / 0.18in

Hole Mounting Pattern

292.1mm / 11.5in — 280.9mm / 11.06in
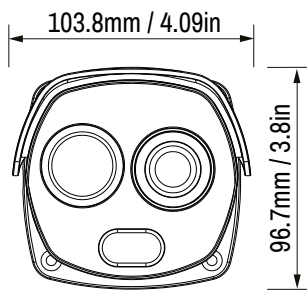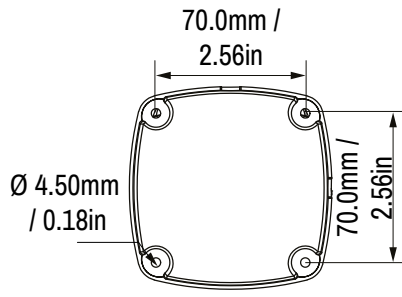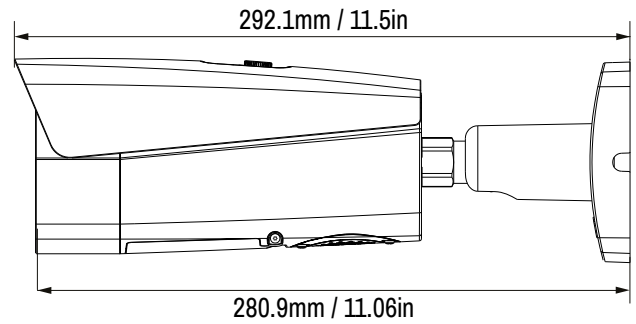
View on Side Face

Specification

Camera Features	Optical Sensor	Thermal Sensor
Sensor	1/2.8" 2M CMOS	400 x 300 VOx Uncooled Thermal Sensor Technology
Active Pixels (HxV)	1920 x 1080	400 x 300
Pixel Size		17uM
Minimum Sensitivity	Day: 0.02 Lux (colour). Night: 0.0002Lux; 0 Lux with IR; F1.9, 1/30s shutter	
Thermal Sensitivity		<40mK@f/1.0
Spectral Range		7~14um
Video Resolution	Main Stream: 1920 x 1080 (1080P); 1280x720 (720P); 704x576 (D1); 704x480 (D1); Sub Stream: 704x576 (D1); 704x480 (D1); 352x288 (CIF); 352x240 (CIF)	Main Stream: 1280x1024(SXGA); 1280x960(1.3M); 1280x720 (720p); 400x300 Sub Stream: 640x512; 640x480(VGA); 400x300
Effective Scaling		400x300, can be scaled up to 1280x1024
IR Illuminator	Built-in IR Illuminator, effective distance 35m (115ft)	
Lens Options	Focal Length: 8mm Angle of View: H:40° V:22°	Focal Length: 13mm Angle of View: H:30° x V:22.6°
Color Palettes	18 user-configurable color modes such as (Whitehot / Blackhot / Irnonrow / Icefire / ...)	
Video Compression	Full frame rate, H.265 / H.264 / MJPEG; up to 30fps	
Video Bit Rate	User-configurable bit rates from 64Kbps up to 8Mbps	
Privacy Zones	4 User Defined	
Video Multi-Streaming	Unlimited multicast connections; Up to four 4Mbps unicast connections	
Video Multi-Encoder	1920x1080p(1080P)@30fps + 704x480(D1)@30fps or 352x240(CIF); 1280x720(720P)@30fps + 704x480(D1)@30fps or 352x240(CIF); 704x480(D1)@30fps +704x480(D1)@30fps or 352x240(CIF);	1280x1024(SXGA)@30fps + 640x512@30fps or 640x480@30fps or 400x300@30fps; 1280x960(1.3M)@30fps+ 640x512@30fps or 640x480@30fps or 400x300@30fps; 1280x720 (720P)@30fps + 640x512@30fps or 640x480@30fps or 400x300@30fps;
Temperature Analytics	Temperature Measurement Analytic Alarm Integration with Control Center; Temperature Readings Metadata in Live and Playback; In-built speaker and white-light LED for audible audio and visual white-light linkage to Temperature Measurement Analytic Alarm; Hottest & Coldest point on-screen display (OSD);	
Temperature Accuracy	Max ±0.3°C (±0.54°F) with Thermal Blackbody ^	
Audio Compression	G.711, AAC	
Audio Bit Rate	16-96kbps per channel	
Audio Resolution	G.711 Mu 8 KHz sample rate, AAC is configurable with options 8, 16, 32 and 48 KHz	
Audio Input	Line in, 3.5mm Connector, Mono	
Audio Output	Line Out, 3.5mm Connector, Mono	
Binary Input/Output	2 inputs; 2 outputs	
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, IPv4/ IPv6, HTTP, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, QoS	
Time	Embedded real-time clock, NTP client	
SD Storage	microSDHC up to 512GB support (card not included)*	
Dimension/Weight	292.1mm (d) x 103.8mm (w) x 96.7mm (h) and 1.9Kg (11.5in (d) x 4.09in (w) x 3.8in (h) and 4.2lb)	
Regulatory	EN55032, EN61000-3-2, EN61000-3-3, EN55035, EN50130-4, FCC Part 15 Subpart B, UL60950-1	
Housing	White vandal resistant aluminium alloy with polycarbonate sun shade including 420mm cable bundle	
Electrical	PoE (802.3af Class 0) or 12V DC; <15W	
Operating Temperature	+10°C to +30°C (+50°F to +86°F)	
IndigoVision Software Requirements	Control Center v16.1 or later	
Supported Internet Browsers	Internet Explorer v11.0 or later	
ONVIF	ONVIF Compliant	
Warranty	24 months (excluding sun-shield, lens and lens cover). 12 months for sun-shield, lens and lens cover.	

* SDCard Storage independent of IndigoVision's NVRs. Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

Thermal Blackbody Dimensions

125mm / 4.92in

125mm / 4.92in

138.3mm / 5.44in

View on Front Face

184mm / 7.24 in

187.3mm / 7.37in

View on Side Face

M8

View on Bottom Face
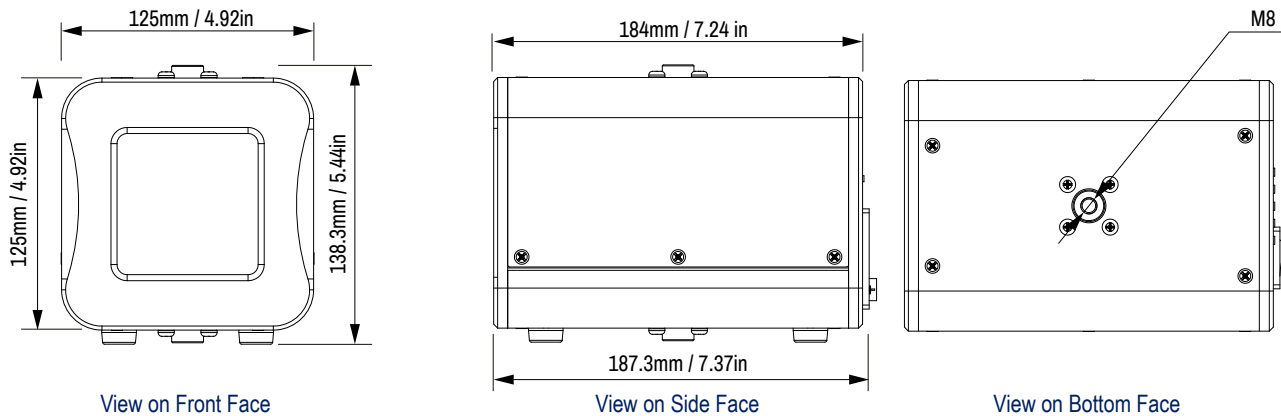
Overview

Blackbody is a heat radiation calibration device that maintains a constant temperature.This is used as a reference point by the thermal camera to measure elevated skin temperature in a continuous, contactless and non invasive manner.

Specification

Default calibration temp.	35.0°C (95°F)
Range	Ambient temp.+5.0°C to 50.0°C (+41°F to 122°F)
Effective radiation surface	70 mm × 70 mm (2.76in x 2.76in)
Resolution	0.1°C (0.18°F)
Accuracy	±0.2°C (±0.36°F)
Stability	±0.1 to 0.2°C (±0.18°F to 0.36°F) / 30min
Emissivity	0.97 (±0.01)
Power supply	100-240V AC, 50/60Hz, 0.5A
Dimension/Weight	184mm (d) x 125mm (w) × 125mm (h) and 2.35Kg (7.24in (d) x 4.92in (w) x 4.92in (h) and 5.18lb)
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-10°C to 50°C (14°F to 122°F)
Calibration	Recommended calibration once every 12 months. Available as a paid service from IndigoVision.
Warranty	12 months

Recommended Installation

1. For indoor installations only.

2. One person in frame for screening at a time.

3. 5 seconds within the region of interest.

4. The upper part of the face must not be covered. Glasses, hats and balaclavas should be removed including any hair covering the forehead.

THERMAL CAMERA

2 METERS

BLACK BODY

1.8 METERS

3 METERS

Adaptor Plate Dimensions

8mm / 0.32in

114mm / 4.49in

96mm / 3.78in

UNC

5mm / 0.2in

7 x M4

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

ID: TTSS 20.6 JUNE 20

Thermal Bullet Camera

High-end: performance, not price tag.

Together with Thermal Technology, the BX Thermal Bullet Camera is the perfect solution for dark, long range monitoring applications. You also get maximum reliability, and the other significant benefits of IndigoVision's Distributed Network Architecture. The BX Thermal Bullet Camera delivers a different dimension of safety when combined with IndigoVision's Control Center.

Key Features

SENSOR

H.264 | UP TO 30fps | G.711 | AAC

COMPRESSION

Analytics | Motion Detection

OTHER

DNA | PoE | Onvif | CyberVigilant®

PHYSICAL

Outdoor | Low Temp

Product Codes

BX620 Thermal Bullet Camera	Product Code
BX620 400NT Thermal Bullet 7.5mm	619681
BX620 400NT Thermal Bullet 19mm	619683
BX620 400NT Thermal Bullet 35mm	619685

Dimensions

103.8mm / 4.09in

97.2mm / 3.83in

View on Front Face

291mm / 11.46in

192.5mm / 7.58in

View on Side Face
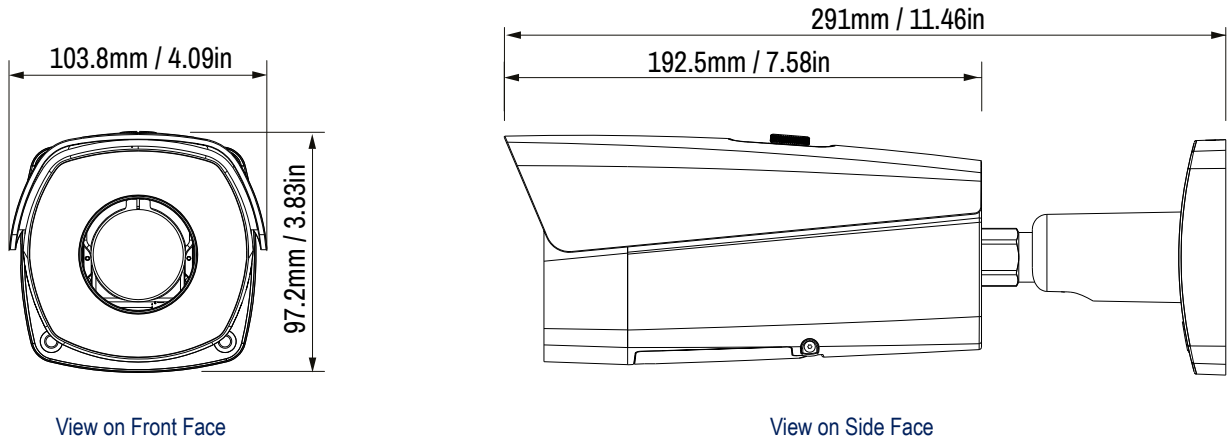
Specification

Camera Features	7.5mm	19mm	35mm
Sensor	400 x 300 VOx Uncooled Thermal Sensor Technology		
Active Pixels (HxV)	400 x 300		
Pixel Size	17uM		
Thermal Sensitivity	<40mK@f/1.0		
Spectral Range	7~14um		
Video Resolution	Main Stream: 1280 x 720 pixels (scaled from native sensor resolution) Sub Stream: 640 x 512 pixels (scaled from native sensor resolution)		
Lens Options	Focal Length: 7.5mm Angle of View: 52°x40°	Focal Length: 19mm Angle of View: 20.4°x15.3°	Focal Length: 35mm Angle of View: 10.4°x8.3°
Effective Distance* Man (1.8m x 0.5m)	D: 240m R: 60m I: 30m	D: 640m R: 160m I: 80m	D: 1300m R: 320m I: 160m
Effective Distance Vehicle (2.3m x 2.3m)	D: 720m R: 180m I: 90m	D: 2000m R: 500m I: 250m	D: 4000m R: 1000m I: 500m
Color Palettes	14 (White Hot/Black Hot/Fusion/Rainbow/Globlow/Ironbow 1/Ironbow 2/Sepia/Colour 1/Colour 2/Ice Fire/Rain/Red Hot/Green Hot)		
Video Compression	Full frame rate, H.264/MJPEG; up to 30fps		
Video Bit Rate	User-configurable bit rates from 64Kbps up to 8Mbps		
Privacy Zones	4 User Defined		
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections; Up to four 8Mbps unicast connections		
Video Multi-Encoder	Up to two simultaneous resolutions		
Thermal Analytics	Heat Detection, Hottest & Coldest point on-screen display (OSD)		
Video Analytics	Motion Detection, Tripwire, Intrusion, Abandoned Object, Missing Object		
Audio Compression	G.711Mu, AAC		
Audio Bit Rate	32Kbps per channel		
Audio Resolution	Audio bit rate is 8 KHz for G.711Mu and AAC is configurable with options 8, 16, 32 and 48 KHz		
Audio Analytics	Audio Input Abnormal, Audio Intensity High		
Audio Input	Line in, 3.5mm Connector, Mono		
Audio Output	Line Out, 3.5mm Connector, Mono		
Binary Input/Output	2 Pull up inputs for non powered contacts; 1 Solid state open collector output, 30V DC / 21VAC, 500mA		
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, IPv4/ IPv6, HTTP, HTTPS, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, QoS, Bonjour, 802.1x		
Network Security	HTTPS, IP Filter, IEEE 802.1x		
CyberVigilant® Technology	Yes		
Time	Embedded real-time clock, NTP client		
SD Storage	microSDHC up to 128GB support (card not included)**		
Dimension/Weight	291mm (d) x 103.8mm (w) x 97.2mm (h) and 1.9Kg / 11.46in (d) x 4.09in (w) x 3.83in (h) and 4.19lbs		
Regulatory	EN 55032, EN 61000-3-2:2014, EN 61000-3-3:, EN 55024+A1, EN 50130-4+A1, FCC Part 15 Subpart B, UL60950-1, EN 60068-2-1:2007, EN 60068-2-2:2007, EN 60068-2-30, EN 60068-2-6, EN 60068-2-64, EN 60068-2-27, EN 60529, EN 62262		
Housing	White vandal resistant aluminium alloy with polycarbonate sun shade including 420mm cable bundle		
Protection Rating	IP67, IK10 (enclosure only)		
Electrical	PoE (802.3af Class 0) or 12V DC / 24V AC; >13W		
Operating Temperature	-40°C to 60°C (-40°F to 140°F)		
Cold Start	-20°C (-4°F)		
IndigoVision Software Requirements	Control Center v15.2 or later		
Supported Internet Browsers	Internet Explorer v11.0 or later		
ONVIF	Profile S		

* Effective distance values shown are nominal values and should be used as estimates only. Exact value calculations depend on a wide variety of conditions. D:Detection, R: Recognition, I : Identification.
** SDCard Storage independent of IndigoVision's NVRs. Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

30x Optical

XF & XP HD ATEX Cameras

Safe and Secure.

Designed for safety, the IndigoVision XF HD 30x Fixed and XP HD 30x PTZ ATEX cameras deliver outstanding video security for hazardous areas where explosions could occur.

Key Features

HD · Day/Night · Low Light · WDR

H.264 · UP TO 60fps

Analytics · Motion Detection

ATEX · IECEx · INMETRO · cLCus

DNA · Onvif

Outdoor

Product Codes

XF HD 30x Fixed Camera	Product Code
ATEX/IECEx Certified, 24VAC, -20°C to 50°C, Wiper	511327
INMETRO Certified, 24VAC, -20°C to 50°C, Wiper	511340
cLCus Certified, 24VAC, -20°C to 50°C, Wiper	511344
cLCus Certified, 24VAC, -40°C to 35°C, Wiper	511346
XP HD 30x PTZ Camera	**Product Code**
ATEX/IECEx Certified, 24VAC, -20°C to 50°C, Wiper	511337
INMETRO Certified, 24VAC, -20°C to 50°C, Wiper	511350
cLCus Certified, 24VAC, -20°C to 50°C, Wiper	511354
Accessories	**Product Code**
XF Fixed Camera Wall Mount	110180
XP PTZ Camera Wall Mount	110182

SENSOR
COMPRESSION
INTELLIGENCE
OTHER
PHYSICAL

Dimensions: XF HD Fixed ATEX Camera

154mm / 6.06in
530mm / 20.87in
400mm / 15.75in
176mm / 6.93in
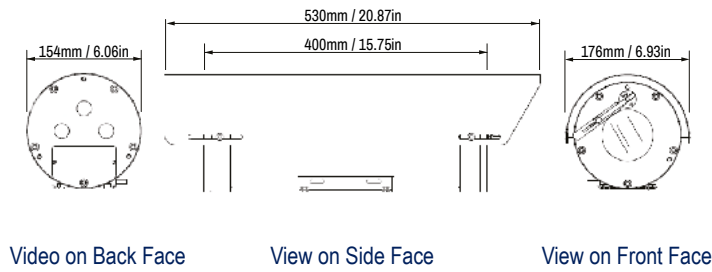
Video on Back Face   View on Side Face   View on Front Face

115mm / 4.53in
80mm / 2.36in
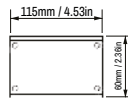
View on Bottom Face

Dimensions: XP HD PTZ ATEX Camera

520mm / 20.47in
176mm / 6.93in
483mm / 19.02mm
530mm / 20.87in
400mm / 15.75in
M25 Cable Entry

View on Front Face   View on Side Face

400mm / 7.17in
530mm / 8.27in
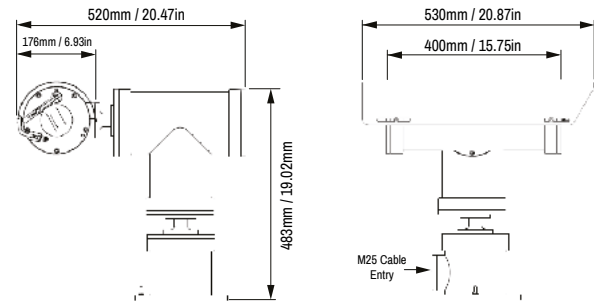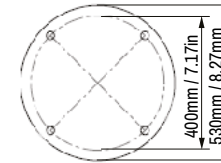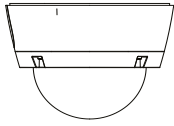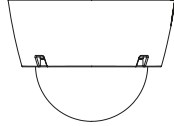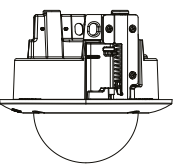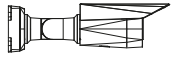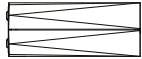
View on Bottom Face

Specification

Camera Features	XF HD Fixed ATEX Camera	XP HD PTZ ATEX Camera
Sensor	1/2.8" Progressive CMOS	
Active Pixels (HxV)	HD (1920x1080)	
Minimum Sensitivity	Day: 0.01 Lux (color). Night: 0.001 Lux (mono). 50 IRE, F1.6, 1/30s shutter	
Dynamic Range	WDR > 120dB	
Gain Control	Auto/Manual	
Back Light Compensation	On/Off	
White Balance Mode	Auto/Manual setting	
Day/Night	True Day/Night with Mechanical IR Cut Filter	
Video Resolution	1920x1080 pixels (HD); 1280x960 pixels (1.3MP); 1280x720 pixels (720p); 704x576 pixels (D1); 352x288 pixels (SIF)	
Lens Options	4.5mm - 135mm Horizontal view angle 67.8°(W) 2.4° (T), F1.6, Auto focus	
Zoom	30x optical + 16x digital	
Iris Control	DC Auto-iris	
Shutter	Rolling; Auto from 1/3 - 1/10,000 sec	
Exposure Control	Auto/Low Noise/Low Motion Blur/Manual	
Video Compression	Full frame rate, full color: H.264/MJPEG ; up to 30fps (ISO 14496-10)	
Video Bit Rate	User-configurable bit rates from 64Kbps up to 8Mbps	
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections. Up to four 8Mbps unicast connections; Up to sixteen 1Mbps unicast connections	
Video Multi-Encoder	Up to two simultaneous resolutions including: 1080p (60fps), 1080p (30fps), 720p (60fps), 720p (30fps), D1 (30fps), SIF (30fps)	
Video Analytics^	Motion Detection, Video Tamper, Face Detection. In fixed mode also includes Tripwire, Intrusion, Abandoned Object & Missing Object	
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, SSH, PPPoE, uPnP, QoS, DHCP	
Network Security	HTTPS, IP Filter, IEEE 802.1x	
Time	Embedded real-time clock, NTP client	
Dimension/Weight	6.93in (dia.) x 20.87in (l) and 40.09lb(with sun shade) / 6.93in (dia.) x 20.87in (l) and 40.09lb(with sun shade)	20.87in (d) x 20.47in (w) x 19.02in (h) and 110.23lb (with sun shade) / 20.87in (d) x 20.47in (w) x 19.02in (h) and 110.23lb (with sun shade)
Regulatory	ATEX: II 2 G Ex db (op pr) IIC T4 (T5 & T6 On Request)Gb II 2 D Ex tb (op pr) IIIC T135°C Db IP6x. Certificate Number: ITS16ATEX101021X IECEx: Ex db (op pr) IIC T4 (T5 & T6 On Request)Gb Ex tb (op pr) IIIC T135°C Db IP6x. Certificate Number:IECEx ITS 15.0068X INMETRO: Ex d IIC T4 (T5 On Request) Gb -60°C ≤Ta ≤ +60°C Ex tb IIIC T135°C Db IP66/67. Certificate Number: TUV 12.1080X / TUV 12.1081X cLCus C1/D1: Class I, Division 1, Groups B, C, D, -60°C≤Ta≤ +60°C T4/ Class II, Division 1, Groups E, F, G IP67.CSA-C22.2 No:30-M1986 No:25-1966(R2009) CSA-C22.2 No:60065-03(R2012) & UL1203,UL60065(07.7)Certificate Number: 11671-1S / 11677-1S	
Housing	Electropolished 316L Stainless Steel with wiper and sunshade as standard ATEX/IECEx and INMETRO: Includes 3 meter Flexible Conduit Cable with cable bundle cLCus:Flexible Conduit Cable not included due to Regulatory Restriction	
Protection Rating	IP67	
Electrical	Maximum 60W. 24V AC; 110-230V AC Option	Maximum 120W. 24V AC; 110-230V AC Option
Operating Temperature	-20°C to 50°C / -4°F to 122°F (Recommended), 60°C / 140°F Max (ATEX/IECEx, INMETRO and cLCus Certified)	
IndigoVision Software Requirements	Control Center 14.0 or later	
Supported Internet Browsers	Internet Explorer v11.0 or later	
ONVIF	Profile S	

XP HD PTZ ATEX Camera PTZ Control			
Preset	64	Tilt Range	-90° (above horizon) to +90° (vertically down)
Preset Accuracy	0.1°	Pan/Tilt Speed	0.5-45°/s
Pan Range	360° Continuous Rotation	Pan/Tilt Warranty	Moving part warranty limited to 2 million Pan and Tilt Operations

^ Integration into Control Center as Basic Analytics only

Mount/Accessory	Pendant Mount Outdoor Dome	Surface Mount Outdoor Dome	Surface Mount Indoor Dome	In-Ceiling Mount	Bullet	Box
Wall Mount	150502	-	-	-	-	-
1.5" NPT Adaptor	150503	-	-	-	-	-
Pole Mount Adaptor	150506 (requires 150502)	-	-	-	150506	-
Corner Mount Adaptor	150507 (requires 150502)	-	-	-	150507	-
Junction Box	-	-	-	-	150300	-
Metal Ceiling Panel	-	-	-	150259	-	-
Sidewall Knockout Plug	-	-	150551	-	-	-
Clear Bubble	150407	150405	150409	150411	-	-
Tinted Bubble	150406	150404	150408	150410	-	-
3.5mm Fly Wire	150150	150150	150150	150150	-	150150
Sealing grommet	-	150554	-	150554	-	-
Pipe grommet	150553	150553	-	-	-	-
Power supply	110068, 150100	110068, 150100	110068, 150100	110068, 150100	110068, 150100	110068, 150100
NPT to M25 Adaptor	110019	-	-	-	-	-
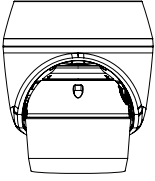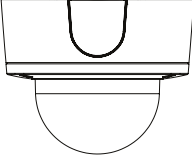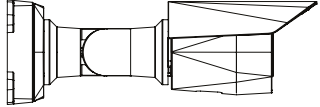
Mount Name	Camera Range	Dimensional Drawing	Product Codes
NPT to M25 Adaptor	UX Range		110019
Metal Ceiling Panel	UX Range		150259
Junction Box	UX Range		150300
Pendant Wall Mount	UX Range		150502

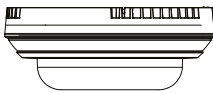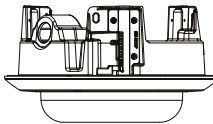| Mount Name	Camera Range	Dimensional Drawing	Product Codes
Pendant NPT Mount	UX Range		150503
Pole Mount Adaptor	UX Range		150506
Corner Mount Adaptor	UX Range		150507

Power Supplies

Product Code	Input Voltage	Input Connector	Output Voltage	Output Current (Max)	Output Connector	Operating Temperature Range	Dimensions (D x W x H)
110068	100-240VAC	IEC320-C14	12V DC	2.5A	Bare Wires	-30°C to 60°C	115mm x 50mm x 35mm
150100	100-240VAC	IEC320-C14	55V DC	0.55A	RJ45 Female Connector	-20°C to 40°C @30W -20°C to 55°C @22.5W	166mm x 52mm x 35mm

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Mount/Accessory	GX Range 2/5MP GX Outdoor Dome	BX Range Dome	BX Range Bullet
In-Ceiling Mount	150254	150255	-
Wall Mount	-	150505 (requires 150504)	-
1.5" NPT Adaptor	-	150504	-
NPT to M25 Adaptor	-	-	110019
Corner Mount Adaptor	-	150507 (requires 150505 + 150504)	150507
Pole Mount Adaptor	-	150506 (requires 150505 + 150504)	150506
Power Supply	150100	150100	-
Clear Bubble	-	150413	-
Tinted Bubble	-	150412	-
Shroud Replacement	150552	-	-
Surface Mount Adaptor	-	150256 (already supplied with the BX Dome)	-
Metal Ceiling Panel	-	150259	-
Junction Box	-	-	150300

Mount Name	Camera Range	Dimensional Drawing	Product Codes
NPT to M25 Adaptor	BX Range		110019
In-Ceiling Mount	GX Range		150254
Metal Ceiling Panel	BX Range		150259
Junction Box	BX Range		150300

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Wall Mount	BX Range		150505
Pole Mount Adaptor	BX Range		150506
Corner Mount Adaptor	BX Range		150507

Power Supplies

Product Code	Input Voltage	Input Connector	Output Voltage	Output Current (Max)	Output Connector	Operating Temperature Range	Dimensions (D x W x H)
150100	100-240VAC	IEC320-C14	55V DC	0.55A	RJ45 Female Connector	-20°C to 40°C @30W -20°C to 55°C @22.5W	166mm x 52mm x 35mm

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a Motorola Solutions Company

Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

Mount/Accessory	BX Range, BX520 HD Adaptive IR PTZ Dome	BX Range, BX520 HD/4MP PTZ Dome		Ultra Range, U2510 HD PTZ Dome	Ultra Range, UX3520 HD PTZ Dome		IR PTZ Camera Range, 2MP (x30), 2MP (x40), 5MP (x33)
	Standard	In-Ceiling	Pendant	Pendant	In-Ceiling	Pendant	Standard
Wall Mount	130181	-	130173	130181	-	110084; 110184	110084; 110184
Pendant Swan-Neck Mount	-	-	-	-	-	110085; 110185	110085; 110185
Vertical Pole Mount	130182	-	130174	130182	-	110086; 110186	110086; 110186
1.5" NPT Adaptor (Male)	130175	-	130185	130175	-	110087	110087
1.5" NPT Adaptor (Female)	-	-	-	-	-	110088	110088
Corner Mount	130184 (Requires 130181)	-	130184 (Requires 130173)	130184 (Requires 130181)	-	110082 (Requires 110084, 110184 or 110085, 110185)	110082 (Requires 110084, 110184 or 110085, 110185)
Pole Mount	130183 (Requires 130181)	-	130083 (Requires 130173)	130183 (Requires 130181)	-	110196 - Grey (Requires 110084, 110184 or 110085, 110185)	110196 - Grey (Requires 110084, 110184 or 110085, 110185)
Junction Box	130171 (Requires 130181)	-	130171 (Requires 130173)	130171 (Requires 130181)	-	-	-
Power Junction Box	130172 (Requires 130181)	-	130172 (Requires 130173)	130172 (Requires 130181)	-	-	-
Power Supply	130176	130176	130176	130176	110068; 110100; 130176	110100; 130179	110100; 130179
Clear Bubble	-	130161	130161	-	110178	-	-
Tinted Bubble	-	130163	130163	130164	110175	-	-
Cables	-	-	-	-	-	3m - 110173 9m - 110174	3m - 110173 9m - 110174

IndigoVision PTZ Camera Mount & Accessory Matrix Appendix - Page 1

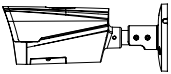| Mount Name	Camera Range	Dimensional Drawing	Product Codes
Wall Mount	BX Range (BX520 Adaptive IR) Ultra Range (U2510)		130181
Wall Mount	BX Range (BX520 HD/4MP)		130173
Wall Mount	Ultra Range (UX3520 / UX3525) PTZ Range (2MP IR PTZ 30x)		110084
Wall Mount	Ultra Range (UX3520 / UX3525) PTZ Range (2MP IR PTZ 30x)		110184

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Pendant Swan-Neck Mount	Ultra Range (UX3250 / UX3525) PTZ Range (2MP IR PTZ 30x)		110085
Pendant Swan-Neck Mount	Ultra Range (UX3250 / UX3525) PTZ Range (2MP IR PTZ 30x)		110185
Vertical Pole Mount	BX Range (BX520 Adaptive IR) Ultra Range (U2510)		130182

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Vertical Pole Mount	BX Range (BX520 HD/4MP)	133.5mm / 100mm / 4- 10.0 90° / View on Top Face / 235.5mm / 35mm / 53mm	130174
Vertical Pole Mount	Ultra Range (UX3520/ UX3525) / PTZ Range (2MP IR PTZ 30x)	465mm	110086
Vertical Pole Mount	Ultra Range (UX3520/ UX3525) / PTZ Range (2MP IR PTZ 30x)	465mm	110186

Mount Name	Camera Range	Dimensional Drawing	Product Codes
1.5" NPT Adaptor (Male)	BX Range (BX520 Adaptive IR) Ultra Range (U2510)	View on Top Face · View on Side Face · View on Side Face (Sectioned)	130175
1.5" NPT Adaptor (Male)	BX Range (BX520 HD/4MP)	View on Top Face · View on Side Face	130185
1.5" NPT Adaptor (Male)	Ultra Range (UX3520 / UX3525)	View on Side Face	110087
1.5" NPT Adaptor (Female)	Ultra Range (UX3520 / UX3525)	View on Side Face	110088

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Corner Mount Adaptor	BX Range Ultra Range (U2510)		130184
Corner Mount Adaptor	Ultra Range (UX3520/ UX3525) PTZ Range (2MP IR PTZ 30x)		110082
Pole Mount Adaptor	BX Range Ultra Range (U2510)		130183
Pole Mount Adaptor	Ultra Range (U2510)		130083

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Pole Mount Adaptor	Ultra Range (UX3520 / UX3525) PTZ Range (2MP IR PTZ 30x)	250mm / 164mm	110196
Junction Box	BX Range Ultra Range (U2510)	115mm / 84mm / 48mm / 90mm / 119mm / 160mm / 50mm / 9mm / M8x 15mm View on Bottom Face 1/2 / 38.8mm View on Side Face	130171
Power Junction Box	BX Range Ultra Range (U2510)	248mm / 84mm / 70.7mm / 48mm / M6x 10mm / 70.7mm / 90mm / 119mm / 297mm View on Top Face 160mm / 84mm / 119mm / 170mm View on Bottom Face 106mm / 1/2" View on Side Face	130172

Power Supplies

Product Code	Input Voltage	Input Current (Max)	Input Connector	Output Voltage	Output Current (Max)	Output Connector	Operating Temperature Range	Dimensions (D x W x H)
110068	100-240VAC	0.8A	IEC320-C14	12V DC	2.5A	Bare Wires	-30°C to 60°C	115mm x 50mm x 35mm
110100	100-240 VAC	2.1A	IEC320-C14	30V DC	4.0A	Bare Wires	-40°C to 85°C	148mm x 59mm x 32.5mm
130179	100-240VAC	2.5A	IEC320-C14	56V DC	0.8A	RJ45 Female Connector	-20°C to 40°C	166mm x 80mm x 44mm

Bubbles

Camera Range	Product Code	Description
BX Range (BX520 HD/4MP)	130161	Clear Bubble
	130163	Tinted Bubble
Ultra Range (U2510)	130164	Tinted Bubble
Ultra Range (UX3520 In-Ceiling)	110178	Clear Bubble
	110175	Tinted Bubble

Cables

Camera Range	Product Code	Description
Ultra Range	110173	Cable assembly and gland (3m)
	110174	Cable assembly and gland (9m)

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Mount/Accessory	SP Multisensor Pendant	SP Multisensor Surface	SP Multisensor In-Ceiling
Camera Module	754980 (Mandatory for all variants)		
Surface Mount Adaptor	-	150251 (requires 150400 or 150401)	-
Pendant Mount Adaptor	150252 (requires 150500 or 150501) + (150400 or 150401)	-	-
Wall Mount	150500 (requires 150252)	-	-
NPT Adaptor	150501 (requires 150252)	-	-
Pole Mount adaptor	150506 (requires 150500)	-	-
Corner Mount adaptor	150507 (requires 150500)	-	-
In-Ceiling Mount	-	-	150253 (requires 150403 or 150402)
Bubble (Clear)	150400	150400	150403
Bubble (Tinted)	150401	150401	150402
Metal In-Ceiling panel	-	-	150258
IR Illuminator	150250 (requires 150400)	150250 (requires 150400)	-
Power Supply	150101, 150100	150101, 150100	150101, 150100
Ferrite Clamp (Trackside use)	150550	150550	150550

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Surface Mount Adaptor	SP Range Multisensor	[11.24] Ø286 [7.75] Ø197 [4.38] 111 [1.73] 44	**150251** (requires 150400 or 150401)
Pendant Mount Adaptor	SP Range Multisensor	1 1/2" NPT THREAD MOUNT [11.74] Ø298 [8.74] 222 [7.75] Ø197 [1.68] 43	**150252** (requires 150500 or 150501) + (150400 or 150401)
Wall Mount	SP Range Multisensor	[15.24] 387 [11.75] Ø298 [8.75] 222 [7.75] Ø197 [3.46] 88 [1.68] 43	**150500** (requires 150252)
In-Ceiling Mount	SP Range Multisensor	[11.73] Ø298 [10.23] 260 [3.82] 97 [7.75] Ø197 [1.68] 43 [2.50] 63	**150253** (requires 150403 or 150402)

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Metal In-Ceiling panel	SP Range Multisensor		150258
Pole Mount Adaptor	SP Range Multisensor		150506 (requires 150500)
Corner Mount Adaptor	SP Range Multisensor		150507 (requires 150500)

Power Supplies

Product Code	Input Voltage	Input Connector	Output Voltage	Output Current (Max)	Output Connector	Operating Temperature Range	Dimensions (D x W x H)
150100	100-240VAC	IEC320-C14	55V DC	0.55A	RJ45 Female Connector	-20°C to 40°C @30W -20°C to 55°C @22.5W	166mm x 52mm x 35mm
150101	100-240VAC	IEC320-C14	55V DC	1.1A	RJ 45 Female Connector	-10C to 45C @60W -10C to 55C @30W	151mm x 62 mm x 38 mm
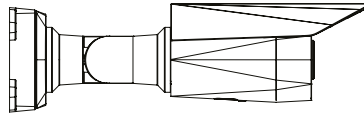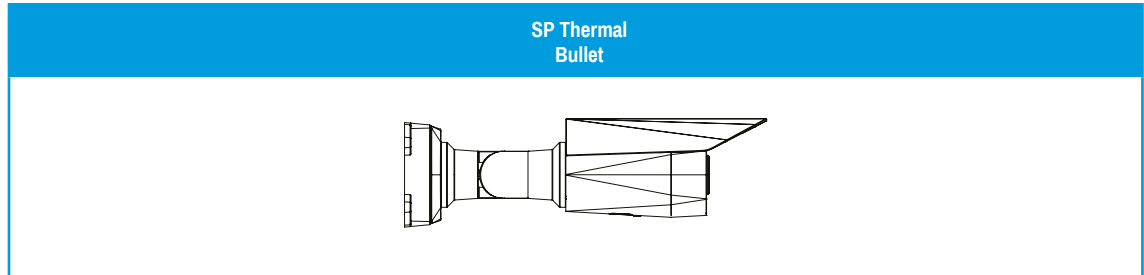
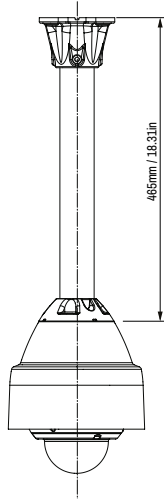| Mount/Accessory	SP Thermal Bullet
In-Ceiling Mount	-
Wall Mount	-
1.5" NPT Adaptor	-
NPT to M25 Adaptor	110019
Corner Mount Adaptor	150507
Pole Mount Adaptor	150506
Power Supply	-
Clear Bubble	-
Tinted Bubble	-
Shroud Replacement	-
Surface Mount Adaptor	-
Metal Ceiling Panel	-
Junction Box	150300

Mount Name	Camera Range	Dimensional Drawing	Product Codes
NPT to M25 Adaptor	BX Range		110019
Junction Box	BX Range		150300
Pole Mount Adaptor	BX Range		150506

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Corner Mount Adaptor	BX Range		150507

Power Supplies

Product Code	Input Voltage	Input Connector	Output Voltage	Output Current (Max)	Output Connector	Operating Temperature Range	Dimensions (D x W x H)
150100	100-240VAC	IEC320-C14	55V DC	0.55A	RJ45 Female Connector	-20°C to 40°C @30W -20°C to 55°C @22.5W	166mm x 52mm x 35mm

Bullet Camera
Mount & Accessory Matrix

Mount/Accessory	GX Range, GX620 HD Bullet Camera	BX Range, BX630 HD & BX620 4MP/4K Bullet Cameras	Ultra Range, U2615 HD Ultra Bullet Camera	Ultra Range, UX3625 HD Ultra X Bullet Camera
	Standard	Standard	Standard	
Exit Collar	130010	-	-	-
Junction Box	-	130084	130084	130084
Powered Junction Box	-	130172 (Requires 130084)	130172 (Requires 130084)	130172 (Requires 130084)
Pole Mount Adaptor	130083; 130183 (Requires 130010)	130083 (Requires 130084); 130183 (Requires 130084)	130083 (Requires 130084); 130183 (Requires 130084)	130083 (Requires 130084); 130183 (Requires 130084)
Corner Mount Adaptor	130184 (Requires 130010)	130184 (Requires 130084)	130184 (Requires 130084)	130184 (Requires 130084)
Power Supply	110068; 130176	110068; 130176	110068; 130176	110068; 130176

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Exit Collar	GX Range	View on Front Face / View on Top Face / View on Side Face	130010
Junction Box	BX Range Ultra Range	View on Top Face / View on Bottom Face / View on Side Face	130084
Powered Junction Box	BX Range Ultra Range	View on Top Face / View on Bottom Face / View on Side Face	130172
Pole Mount Adaptor	GX Range BX Range Ultra Range	View on Front Face / View on Side Face / View on Top Face	130083

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Pole Mount Adaptor	GX Range BX Range Ultra Range		130183
Corner Mount Adaptor	GX Range BX Range Ultra Range		130184

Power Supplies

Product Code	Input Voltage	Input Current (Max)	Input Connector	Output Voltage	Output Current (Max)	Output Connector	Operating Temperature Range	Dimensions (D x W x H)
110068	100-240VAC	0.8A	IEC320-C14	12V DC	2.5A	Bare Wires	-30°C to 60°C / -22°F to 140°F	115mm x 50mm x 35mm / 4.53in x 1.97in x 1.38in
130176	100-240VAC	2.0A	IEC320-C14	56V DC	0.67A	RJ45 Female Connector	-20°C to 40°C / -4°F to 104°F	166mm x 80mm x 44mm / 6.54in x 3.15in x 1.73in
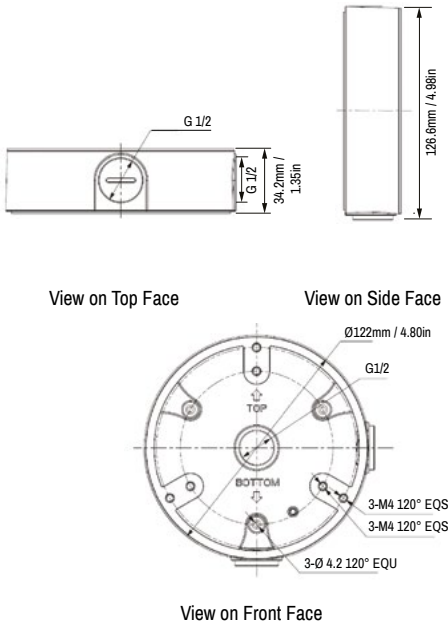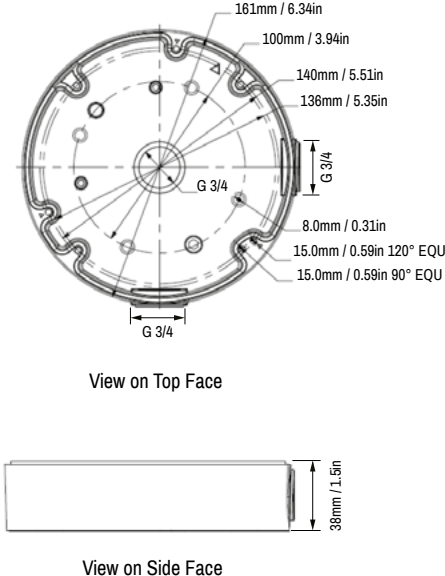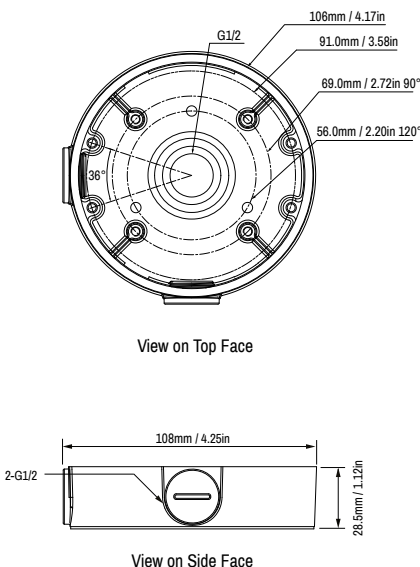
Dome Camera
Mount & Accessory Matrix

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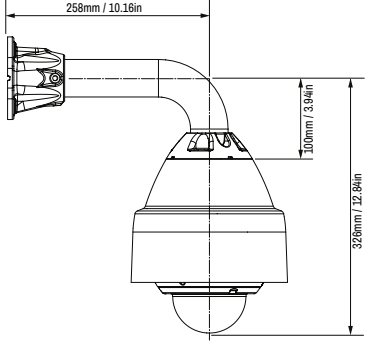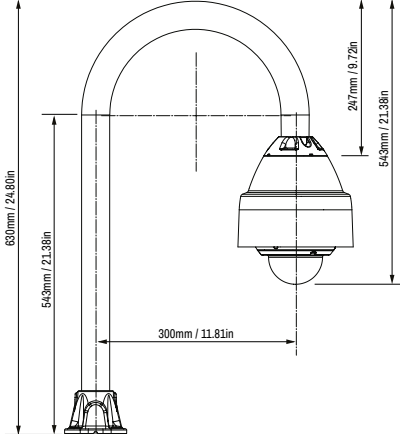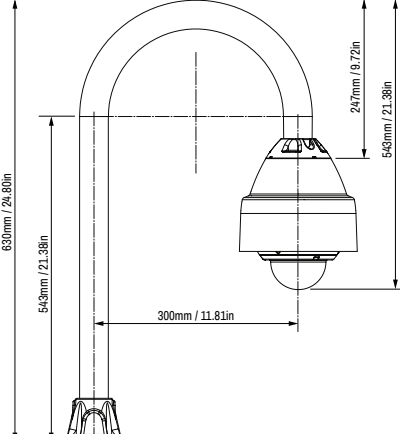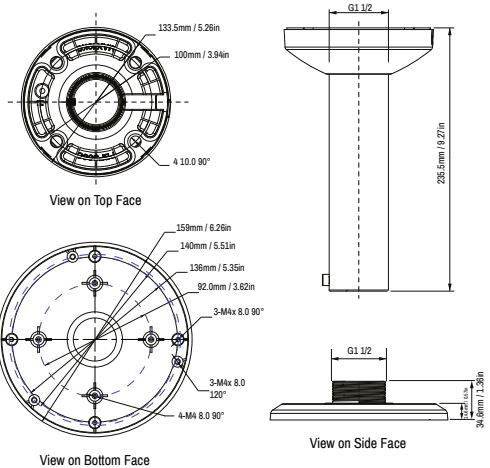
Mount/Accessory	GX Range, GX420 HD Minidome — Vandal Resistant	GX Range, GX420 HD Pan/Tilt Minidome — Vandal Resistant	BX Range, BX420 HD/4MP/4K Minidome — Vandal Resistant / Environmental Vandal Resistant	BX Range, BX430 4MP Microdome — Vandal Resistant	Ultra Range, U2410 HD Minidome — Vandal Resistant	Ultra Range, UX3420 HD Minidome — Internal	Ultra Range, UX3420 HD Minidome — Vandal Resistant
In-Ceiling Mount	130013	130013	130074	-	130074	110259	-
Exit Collar	130011	130011	130180	130070	130180	-	-
Powered Junction Box	-	-	130172 (Requires 130072 or 130180)	-	130172 (Requires 130072 or 130180)	-	-
Wall Mount	130012	130012	130072	130012	130072	-	110160
Pendant Wall Mount	-	-	-	-	-	-	110020; 110021
Pendant Swan-Neck Mount	-	-	-	-	-	-	110022; 110023
Pendant Vertical Pole Mount	-	-	130073	-	130073	-	110024; 110025
1.5" NPT Adaptor (Male)	-	-	130075	-	130075	-	110027
1.5" NPT Adaptor (Female)	-	-	-	-	-	-	110028
NPT to M25 Adaptor	-	-	-	-	-	-	110019
Corner Mount Adaptor	130184 (Requires 130011)	130184 (Requires 130011)	130184 (Requires 130072 or 130180)	130184 (Requires 130070)	130184 (Requires 130072 or 130180)	-	110082 (Requires 110020 or 110021)
Pole Mount Adaptor	130083 (Requires 130012) 130183 (Requires 130011)	130083 (Requires 130012) 130183 (Requires 130011)	130083 (Requires 130072); 130183 (Requires 130072, 130073, or 130180)	130083 (Requires 130070); 130183 (Requires 130070)	130083 (Requires 130072); 130183 (Requires 130072, 130073, or 130180)	-	110196 - Grey (Requires 110020, 110021, 110024 or 110025)
Power Supply	110068; 130176	110068; 130176	110068; 130176	130176	110068; 130176	110068; 130176	110068; 130176
Clear Bubble	130014	130014	130165	-	130165	110177	110177
Tinted Bubble	130015	130015	130166	-	130166	110176	110176
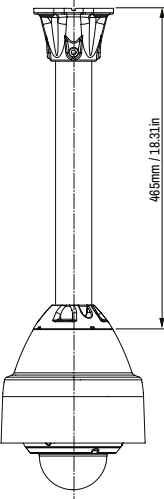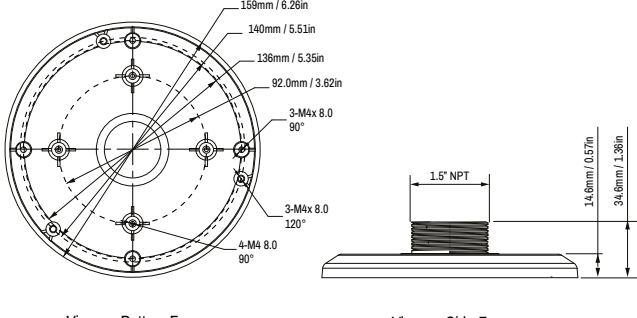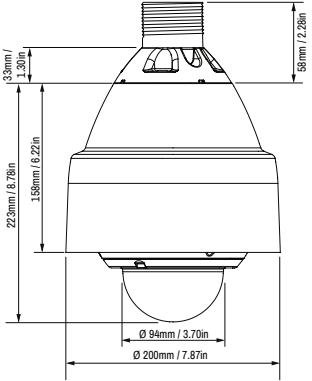
Mount Name	Camera Range	Dimensional Drawing	Product Codes
In-Ceiling Mount	GX Range	85.2mm / 3.35in · 166.0mm / 6.54in · 136.5mm / 5.37in · 3-M4 120° EQS · View on Bottom Face · View on Bottom Face · 75.8mm / 2.98in · View on Side Face	130013
In-Ceiling Mount	BX Range (BX420) Ultra Range (U2410)	213mm / 8.84in · 108mm / 4.25in · 140mm / 5.51in · 190mm / 7.48in · 3-M4 120 · View on Bottom Face · View on Top Face · 89.5mm / 3.52in · View on Side Face	130074
In-Ceiling Mount	Ultra Range (UX3420)	22.85mm/ 0.90in · 86.3mm / 3.40in · PEM. S-M4-1 (4) · 16.0mm / 0.63in · 22.85mm/ 0.90in · 132mm / 5.20in · 100mm / 3.94in · 86.3mm / 3.40in · R30 · 16.0mm / 0.63in · 100mm / 3.94in · 132mm / 5.20in · View on Top Face · 35.0mm/ 1.38in · 48.5mm/ 1.91in · PEM. S-M3-0 (4) · 100mm / 3.94in · 74.5mm / 2.93in · 48.5mm/ 1.91in · 35.0mm/ 1.38in · 74.5mm / 2.93in · 100mm / 3.94in · View on Bottom Face · 11.75mm / 0.46 · View on Side Face	110259

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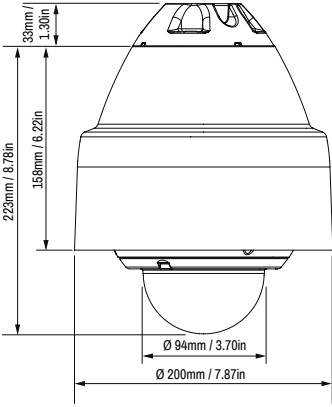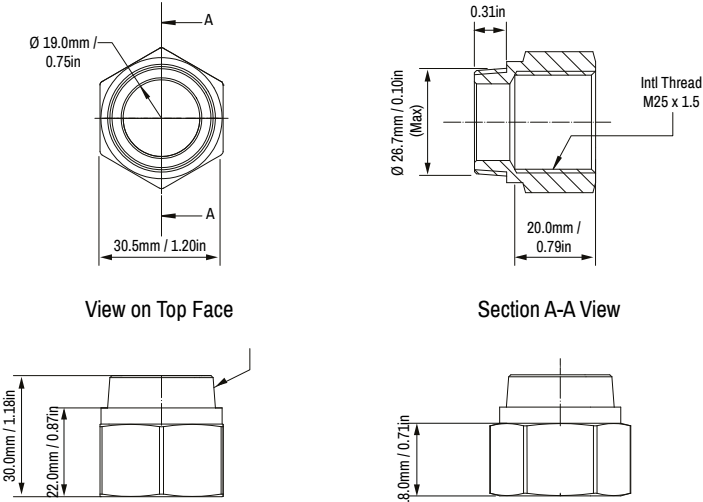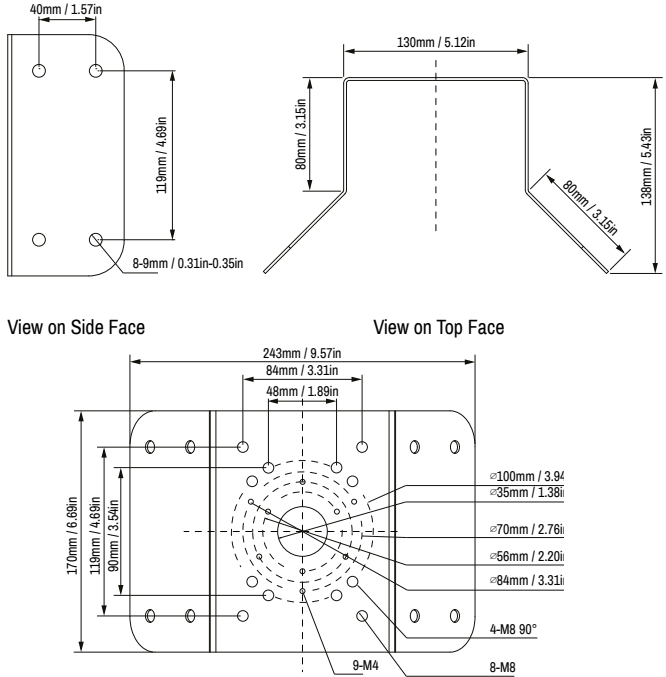
Mount Name	Camera Range	Dimensional Drawing	Product Codes
Exit Collar	GX Range	View on Top Face / View on Side Face / View on Front Face	130011
Exit Collar	BX Range (BX420) Ultra Range	View on Top Face / View on Side Face	130180
Exit Collar	BX Range (BX430)	View on Top Face / View on Side Face	130070
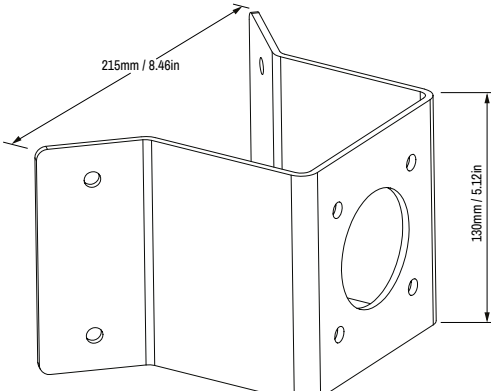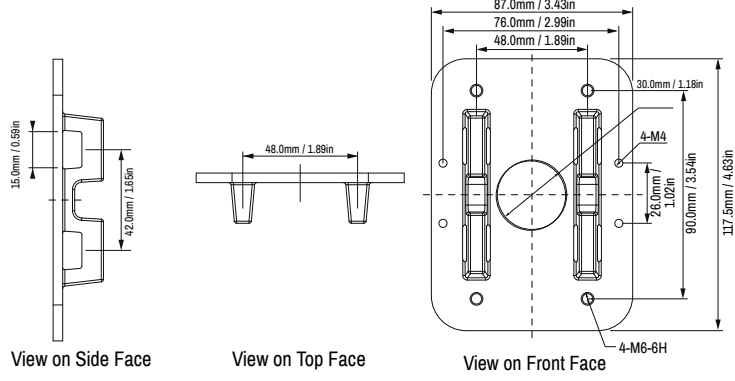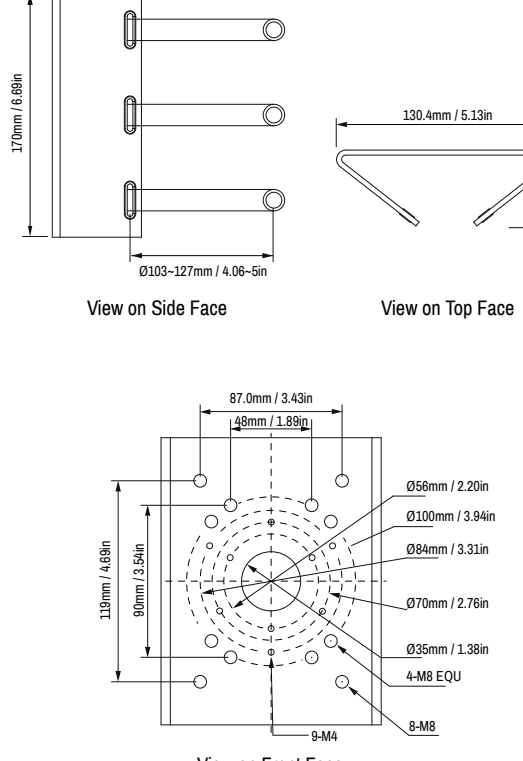
Mount Name	Camera Range	Dimensional Drawing	Product Codes
Wall Mount	GX Range		130012
Wall Mount	BX Range (BX420) Ultra Range (U2410)		130072
Wall Mount	Ultra Range (UX3420)		110160
Pendant Wall Mount	Ultra Range (UX3420)		110020

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Pendant Wall Mount	Ultra Range (UX3420)	View on Side Face	110021
Pendant Swan-Neck Mount	Ultra Range (UX3420)		110022
Pendant Swan-Neck Mount	Ultra Range (UX3420)		110023
Pendant Vertical Pole Mount	BX Range (BX420) Ultra Range (U2410)	View on Top Face / View on Bottom Face / View on Side Face	130073

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Pendant Vertical Pole Mount	Ultra Range (UX3420)	465mm / 18.31in	110024
Pendant Vertical Pole Mount	Ultra Range (UX3420)	465mm / 18.31in	110025
1.5" NPT Pendant Adaptor (Male)	BX Range (BX420) Ultra Range (U2410)	159mm / 6.26in, 140mm / 5.51in, 136mm / 5.35in, 92.0mm / 3.62in, 3-M4x 8.0 90°, 3-M4x 8.0 120°, 4-M4 8.0 90°, 1.5" NPT, 14.6mm / 0.57in, 34.6mm / 1.38in — View on Bottom Face, View on Side Face	130075
1.5" NPT Pendant Adaptor (Male)	Ultra Range (UX3420)	33mm / 1.30in, 58mm / 2.28in, 223mm / 8.78in, 158mm / 6.22in, Ø 94mm / 3.70in, Ø 200mm / 7.87in — View on Side Face	110027

Mount Name	Camera Range	Dimensional Drawing	Product Codes
1.5" NPT Pendant Adaptor (Female)	Ultra Range (UX3420)	View on Side Face	110028
NPT to M25 Adaptor	Ultra Range (UX3420)	View on Top Face / Section A-A View / View on Side Face / View on Side Face	110019
Corner Mount Adaptor	GX Range / BX Range (BX420) / Ultra Range (U2410)	View on Side Face / View on Top Face / View on Front Face	130184

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Corner Mount Adaptor	Ultra Range (UX3420)	215mm / 8.46in — 130mm / 5.12in	110082
Pole Mount Adaptor	GX Range BX Range (BX420) Ultra Range (U2410)	View on Side Face — View on Top Face — View on Front Face 87.0mm / 3.43in, 76.0mm / 2.99in, 48.0mm / 1.89in, 30.0mm / 1.18in, 4-M4, 26.0mm / 1.02in, 90.0mm / 3.54in, 117.5mm / 4.63in, 4-M6-6H, 15.0mm / 0.59in, 42.0mm / 1.65in	130083
Pole Mount Adaptor	BX Range (BX420) Ultra Range (U2410)	View on Side Face — View on Top Face 170mm / 6.69in, Ø103~127mm / 4.06~5in, 130.4mm / 5.13in, 45.0mm / 1.77in View on Front Face 87.0mm / 3.43in, 48mm / 1.89in, Ø56mm / 2.20in, Ø100mm / 3.94in, Ø84mm / 3.31in, Ø70mm / 2.76in, Ø35mm / 1.38in, 4-M8 EQU, 8-M8, 9-M4, 119mm / 4.69in, 90mm / 3.54in	130183

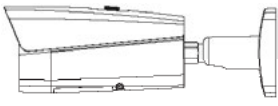| Mount Name	Camera Range	Dimensional Drawing	Product Codes
Pole Mount Adaptor	Ultra Range (UX3420)	250mm / 6.84in / 164mm / 6.46in	110096

Power Supplies

Product Code	Input Voltage	Input Current (Max)	Input Connector	Output Voltage	Output Current (Max)	Output Connector	Operating Temperature Range	Dimensions (D x W x H)
110068	100-240VAC	0.8A	IEC320-C14	12V DC	2.5A	Bare Wires	-30°C to 60°C / -22°F to 140°F	115mm x 50mm x 35mm / 4.53in x 1.97in x 1.38in
130176	100-240VAC	2.0A	IEC320-C14	56V DC	0.67A	RJ45 Female Connector	-20°C to 40°C / -4°F to 104°F	166mm x 80mm x 44mm / 6.54in x 3.15in x 1.73in

Bubbles

Camera Range	Product Code	Description
GX Range	130014	Clear Bubble
GX Range	130015	Tinted Bubble
BX Range (BX420) Ultra Range (U2410)	130166	Tinted Bubble
Ultra Range (UX3420)	110177	Clear Bubble
Ultra Range (UX3420)	110176	Tinted Bubble
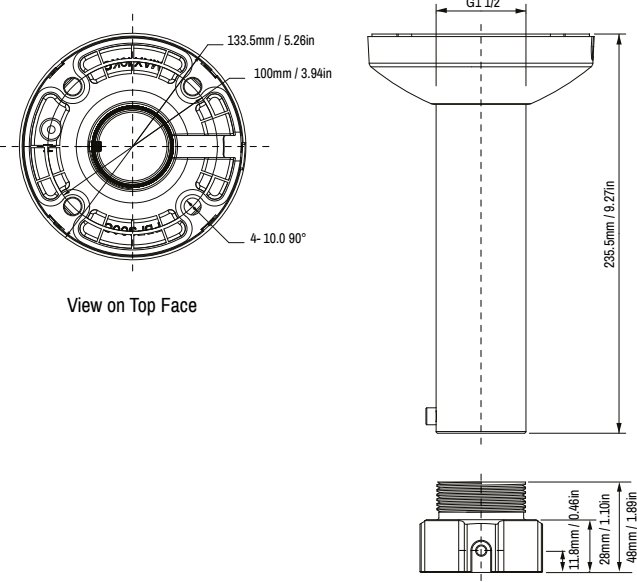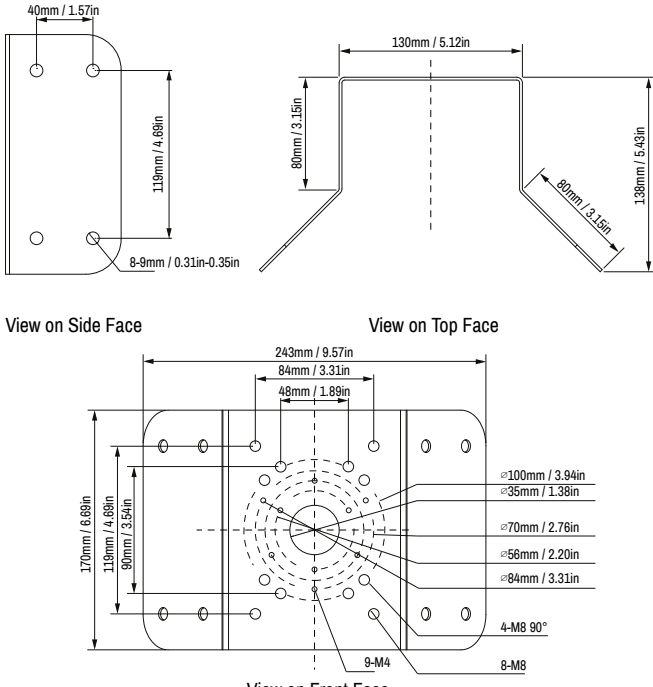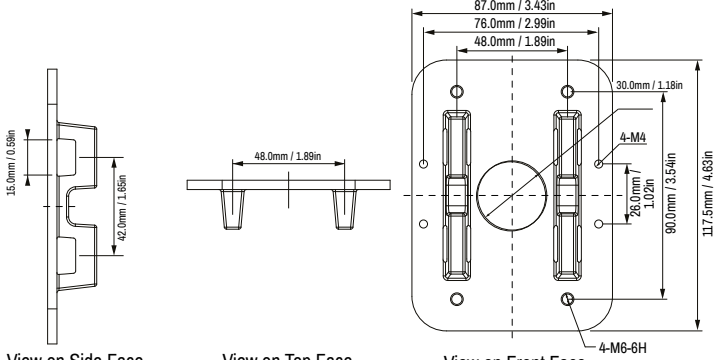
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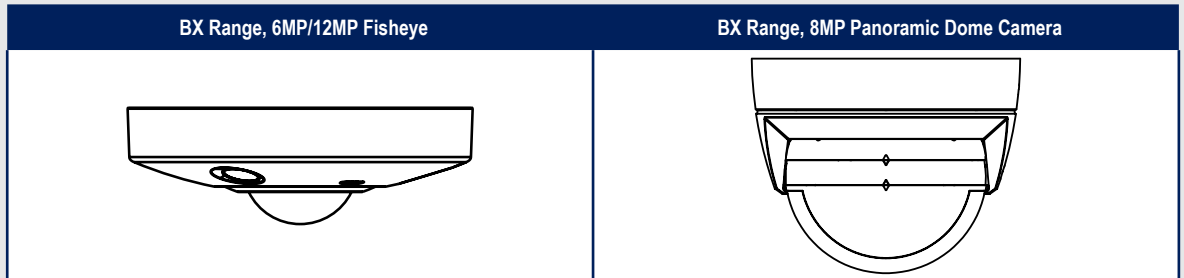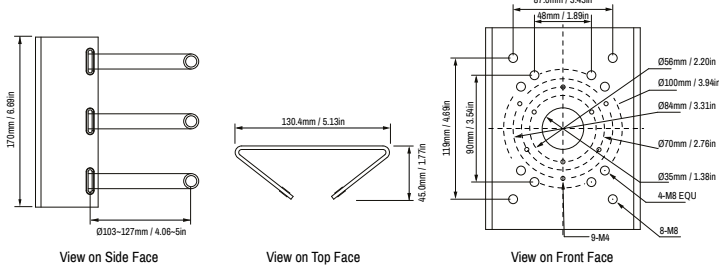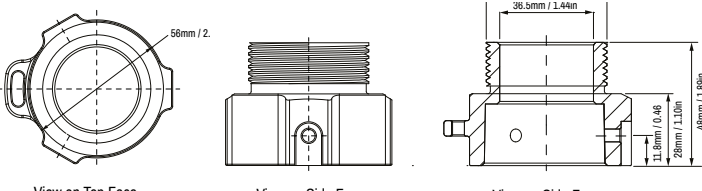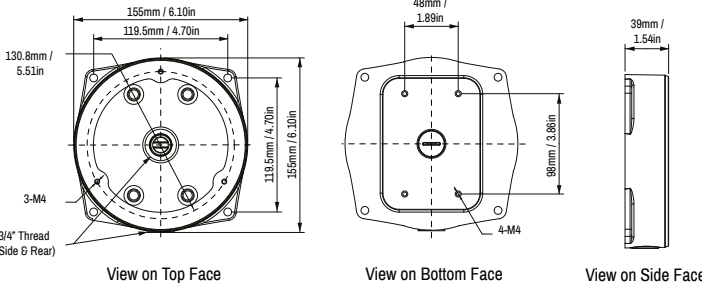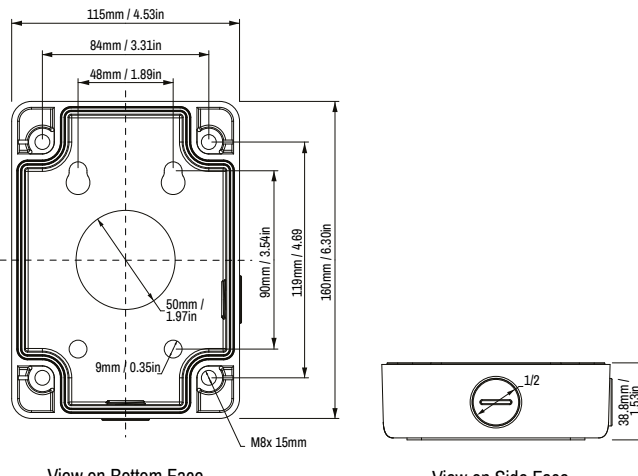
Mount/Accessory	BX Range, 6MP/12MP Fisheye	BX Range, 8MP Panoramic Dome Camera
Wall Mount	130081	130181
Vertical Pole Mount	130082	130182
Corner Mount	130184 (Requires 130081 or 130071)	130184 (Requires 130181)
Pole Mount	130083 (Requires 130071 or 130081); 130183 (Requires 130071 or 130081)	130183 (Requires 130181)
1.5" NPT Adaptor (Male)	130087	130175
Junction Box	130071	130171 (Requires 130181)
Power Junction Box	130172 (Requires 130081)	130172 (Requires 130181)
Power Supply	110068; 130176	130176

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Wall Mount	BX Range Fisheye	View on Front Face / View on Side Face / View on Back Face / View on Side Face / View on Bottom Face	130081
Wall Mount	BX Range Panoramic	View on Side Face / View on Front Face	130181
Vertical Pole Mount	BX Range Fisheye	View on Top Face / View on Bottom Face / View on Side Face	130082

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Pendant Vertical Pole Mount	BX Range Panormaic	View on Top Face · View on Side Face	130182
Corner Mount Adaptor	BX Range Fisheye / Panormaic	View on Side Face · View on Top Face · View on Front Face	130184
Pole Mount Adaptor	BX Range Fisheye	View on Side Face · View on Top Face · View on Front Face	130083

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Pole Mount Adaptor	BX Range Panoramic		130183
1.5" NPT Adaptor (Male)	BX Range Panoramic		130175
Junction Box	BX Range Fisheye		130071
Junction Box	BX Range Panoramic		130171

Mount Name	Camera Range	Dimensional Drawing	Product Codes
Power Junction Box	BX Range Panoramic	View on Top Face View on Bottom Face View on Side Face	130172

Power Supplies

Product Code	Input Voltage	Input Current (Max)	Input Connector	Output Voltage	Output Current (Max)	Output Connector	Operating Temperature Range	Dimensions (D x W x H)
110068	100-240VAC	0.8A	IEC320-C14	12V DC	2.5A	Bare Wires	-30°C to 60°C / -22°F to 140°F	115mm x 50mm x 35mm / 4.52in x 1.97in x 1.38in
130176	100-240VAC	2.0A	IEC320-C14	56V DC	0.67A	RJ45 Female Connector	-20°C to 40°C / -4°F to 104°F	166mm x 80mm x 44mm / 6.54in x 3.15in x 1.73in

IndigoVision

Mount/Accessory	BX Range, Thermal Bullet	HD Interceptor PTZ Camera	BX Range, XF HD Fixed Camera	BX Range, XP HD PTZ Camera
	7.5mm/19mm/35mm	Camera plus Hinge Mount	Standard	Standard
Wall Mount	-	110275	110180	110182
Junction Box	130084	-	-	-
Power Junction Box	130172 (Requires 130084)	-	-	-
Corner Mount	130184 (Requires 130084)	110276	-	-
Pole Mount	130083 (Requires 130084); 130183 (Requires 130084)	110277	-	-
Power Supply	110068; 130176	110282	-	-
Marine Grade Paint	-	110110	-	-

Mount Name	Product	Dimensional Drawing	Product Codes
Wall Mount Adaptor	HD Interceptor PTZ Camera	Ø 102mm / 4.02in, Ø 125mm / 4.92in, Ø 12, Ø 102, 300mm / 11.81in, 238mm / 9.37in. View on Bottom Face. View on Front Face. View on Side Face	110275
Wall Mount	XF HD Fixed Camera	Swivel Joint, 180mm / 7.09in, 160mm / 6.30in, 140mm / 5.51in, 160mm / 6.30in, 500mm / 19.69in, 4 x Diam. 9mm / 0.35in Mounting Holes. Use M8 Fixings. View on Side Face. View on Front Face	110180
Wall Mount	XP HD PTZ Camera	4 No. Dia. 11mm / 0.43in Holes on 182mm PCD, 180mm / 7.09in, View on Top Face, 688mm / 27.09in, 0.20in, 490mm / 19.30in, 550mm / 21.65in, 8 x Dia. 11mm / 0.43in Holes, 140mm / 5.51in, 20.0mm / 0.79in, 170mm / 6.69in, 170mm / 6.69in, 170mm / 6.69in, 170mm / 6.69in, 20.0mm / 0.79in. View on Side Face. View on Front Face	110182
Junction Box	BX Range	133.6mm / 5.26in, 98.0mm / 3.86in, 70.0mm / 2.76in, 48.0mm / 1.89in, 42.0mm / 1.69in, 48.0mm / 1.89in, 2.56in, 70.0mm / 2.76in, 98.0mm / 3.86in, 133.6mm / 5.26in, 65.0mm / 2.56in, 12-M4x, 8.0mm / 0.35in, 48.0mm / 1.89in, 56.0mm / 2.20in, 90.0mm / 3.54in, 4-N 8.00mm / 0.35in. View on Top Face. View on Bottom Face. View on Side Face	130084

Mount Name	Product	Dimensional Drawing	Product Codes
Corner Mount Adaptor	BX Range Thermal Bullet		130184
Corner Mount Adaptor	HD Interceptor PTZ Camera		110276
Pole Mount Adaptor	BX Range Thermal Bullet		130083

Mount Name	Product	Dimensional Drawing	Product Codes
Pole Mount Adaptor	BX Range Thermal Bullet	87.0mm / 3.43in, 48mm / 1.89in, 119mm / 4.69in, 90mm / 3.54in, Ø56mm / 2.20in, Ø100mm / 3.94in, Ø84mm / 3.31in, Ø70mm / 2.76in, Ø35mm / 1.38in, 4-M8 EQU, 9-M4, 8-M8, **View on Front Face**, 170mm / 6.69in, Ø103~127mm / 4.06~5in, 130.4mm / 5.13in, 45.0mm / 1.77in, **View on Side Face**, **View on Top Face**	130183
Pole Mount Adaptor	Interceptor	21.0mm / 0.83in, 130mm / 5.12in, 90.0mm / 3.54in, 20.0mm / 0.79in, 4x M Diameter 8 Studs on 102mm PCD, Diameter 20.5mm / 0.81in, **View on Side Face**, **View on Back Face**, 125mm / 4.92in, 85.5mm / 3.37in, 5.00mm / 0.20in, 149.5mm / 5.88in, Straps supplied suit pole Ø 184mm / 7.24in to Ø 216mm / 8.50in, 5.00mm / 0.20in, **View on Top Face**	110277

Power Supplies

Product Code	Input Voltage	Input Current (Max)	Input Connector	Output Voltage	Output Current (Max)	Output Connector	Operating Temperature Range	Dimensions (D x W x H)
110068	100-240VAC	0.8A	IEC320-C14	12V DC	2.5A	Bare Wires	-30°C to 60°C / -22°F to 140°F	115mm x 50mm x 35mm / 4.53in x 1.97in x 1.38in
110282	100-240VAC	2.1A	Bare Wires	36V DC	5.2A	Bare Wires	-40°C to 65°C / -40°F to 149°F	204mm x 68mm x 39mm / 8.03in x 2.67in x 1.53in
130176	100-240VAC	2.0A	IEC320-C14	56V DC	0.67A	RJ45 Female Connector	-20°C to 40°C / -4°F to 104°F	166mm x 80mm x 44mm / 6.54in x 3.15in x 1.73in

IndigoVision®
a Motorola Solutions Company
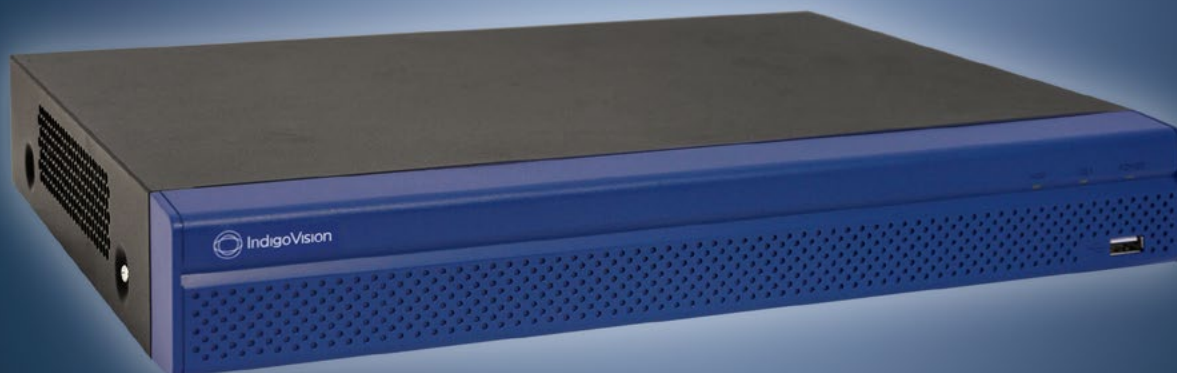
BX130 8/16 Channel Encoder

Cost-Effective analog to World Class IP Video Migration

Part of IndigoVision's professional BX range, the BX130 8/16 Channel Encoder delivers cost-effective migration from analog to IndigoVision's renowned world class IP solution. The BX130's outstanding H.264 compression, reduced storage and better video quality than other mid-range encoders.

Completely integrated with IndigoVision's Control Center software and Network Video Recorders (NVRs), HD and Megapixel cameras can be added easily, giving the same world class IP video solution that's trusted by some of the most demanding security installations in the world.

Key Features

COMPRESSION

H.264 UP TO 30fps G.711

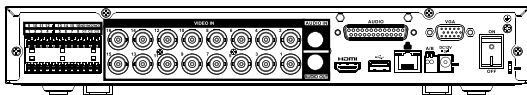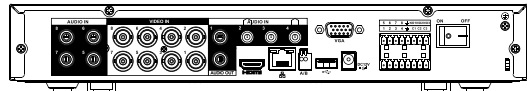**INTELLIGENCE**

Motion Detection

OTHER

DNA Onvif BNC

Product Codes

BX130 Encoders	Product Code
BX130 8 Channel Encoder	610130
BX130 16 Channel Encoder	610131

Dimensions

260mm / 10.2in

44mm / 1.7in

47.6mm / 1.9in

View on Front Face

View on Back Face

224.9mm / 8.9in

235.6mm / 9.3in

View on Top Face

Specification

| General Specification	
Video Resolution	1920x1080 pixels (1080p); 1280x720 pixels (720p); 960x576 pixels (960H PAL); 960 x 480 pixels (960H NTSC); 720x576 pixels (D1 PAL); 720x480 pixels (D1 NTSC); 352x576 pixels (HD1 PAL); 352x480 pixels (HD1 NTSC); 704x576 pixels (4SIF PAL); 704x480 pixels (4SIF NTSC); 352x288 pixels (SIF PAL); 352x240 pixels (SIF NTSC); 176x144 pixels (QSIF PAL); 176x120 pixels (QSIF NTSC)
Video Compression	Full frame rate, full color: H.264 (ISO 14496-10); up to 15fps at up to 1080p resolution, up to 30fps at up to 4SIF
Video Bit Rate	User-configurable bit rates from 31Kbps up to 6Mbps per video channel
Video Multi-Streaming	Up to 64Mbps total video output; unlimited multicast connections. Up to sixteen 4Mbps unicast connections
Video Multi-Encoder	Up to sixteen 4Mbps
Video Analytics	Motion Detection, Video Loss, Tamper
Video Input	8/16 Channel video, HDCVI/AHD/TVI/CVBS support, standard BNC connectors
Audio Compression	G.711
Audio Bit Rate	32Kbps per channel
Audio Resolution	Full Duplex, 8kHz sample rate, mono Input
Audio Input	Line in, RCA connector
Audio Output	N/A
Binary Input/Output	8/16 Pull up input for non powered contacts; 3 Solid state open collector output, Max 30.0V, 0.5A
Data Input/Output	RS485 (PTZ Control)
Network Interface	IEEE802.3 and IETF standards: 100 Base-T Ethernet (8 CH), 1000 Base-T Ethernet (16 CH), TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, PPPoE, uPnP, DHCP
Time	Embedded real-time clock, NTP client
Dimensions/Weight	236mm (d) × 260mm (w) × 48mm (h) and 0.75Kg (excluding power supply) / 9.29in (d) × 10.24in (w) × 1.89in (h) and 1.65lb (excluding power supply)
Regulatory	EN55032 Class A, EN55024, EN50130-4, EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, FCC Part 15 Subpart B Class A
Electrical	12V DC; 10W max
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Power Supplies	12V DC Power supply included
Mounting Options	2U high rack mount kit available
IndigoVision Software Requirements	Control Center v15.1 or later
ONVIF	Profile S

Accessories

Accessories	Product Code
BX130 Encoder Rack Mount Kit	130079

RECORD
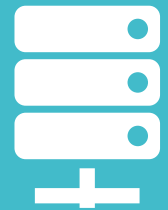
Ensure you always have the evidence you need of recorded incident

Don't let your investigations be constrained by lost or low quality recorded footage. IndigoVision's range of Network Video Recorders (NVRs) will never miss a moment of recording, to give you the reassurance that you will always have footage of critical situations.

We provide NVR alternatives to suit your specific needs: from Compact editions to suit smaller sites, up to our Large Enterprise NVR which allows you to record hundreds of cameras from a single device for long video retention (up to 800 channels per NVR with 3PB of storage).

Automatic NVR failover means that if your primary NVR goes down, a back-up will automatically take over the recording, so you don't experience any interruptions. Dual watermarking provides a double layer of authentication, to give you a guarantee that the recorded video evidence from your NVRs has not been tampered with. This means that your recordings will be accepted in a court of law for prosecutions.

Even more importantly, our Distributed Network Architecture (DNA) means that there is no single point of failure in your system, so you still have access to video even if your primary NVR goes down. With IndigoVision, you'll therefore always have the recorded video evidence you need to support your security investigations.

Record Index

Large Enterprise NVR-AS

Enterprise Recording. Intelligently Designed.

The IndigoVision Large Enterprise NVR-AS can record up to 800 cameras, has data throughput of 4Gbps and up to 3PB of usable storage. Guaranteed tamper free evidence, automatic failover and integrated backup. The Large Enterprise NVR-AS can also integrate other security systems for complete alarm management and has recording support for multiple camera manufacturers including ONVIF.

Key Features

COMPRESSION

H.264 | H.265 * | JPEG 2000 | MJPEG | MPEG-4

AAC | G.711

OTHER

DNA | Firewall | W | Windows

PHYSICAL

19" Rack | Power | Network | Fans

STORAGE

ADAPT | RAID6 | Dual RAID | SATA

* Supported as of Control Center v16.0 or later.

Product Codes

800 Channel	Product Code*
Large Enterprise NVR-AS 4000 G3 750TB	980440
Large Enterprise NVR-AS 4000 G3 1.5PB	980441
Large Enterprise NVR-AS 4000 G3 2.25PB	980442
Large Enterprise NVR-AS 4000 G3 3.0PB	980443

* Includes Hardware ProSupport.

Specification

General Specification	800 Channel			
Form Factor	7U 1x 2U Storage Array Server + 1x 5U Storage Array	12U 1x 2U Storage Array Server + 2x 5U Storage Array	17U 1x 2U Storage Array Server + 3x 5U Storage Array	22U 1x 2U Storage Array Server + 4x 5U Storage Array
Disk Space (TB)	750	1500	2250	3000
Recording Hard Drive Bays	84 (Hot-swappable)	168 (Hot-swappable)	252 (Hot-swappable)	336 (Hot-swappable)
Performance (Streams)	800 Recording plus simultaneous playback of 150 streams			
Performance (Throughput)	4000 Mbps in; 750 Mbps out; 4750 Mbps total			
Processor	2 x Intel Xeon Silver 4110			
Memory	32GB RAM (4 x 8GB)			
System Dimensions/Weight	974.7mm (d) x 483mm (w) x 309.6mm (h) and 168.1Kg / 38.37in (d) x 19.01in (w) x 12.19in (h) and 370.60lbs	974.7mm (d) x 483mm (w) x 531.9mm (h) and 303.1Kg / 38.37in (d) x 19.01in (w) x 20.94in (h) and 668.22lbs	974.7mm (d) x 483mm (w) x 754.2mm (h) and 438.1Kg / 38.37in (d) x 19.01in (w) x 29.69in (h) and 965.85lbs	974.7mm (d) x 483mm (w) x 976.5mm (h) and 573.1Kg / 38.37in (d) x 19.01in (w) x 38.44in (h) and 1,263.47lbs
Dimensions/Weight	Storage Array Server - 755.8mm (d) x 482mm (w) x 87.3mm (h) and 33.1Kg / 29.76in (d) x 19.98in (w) x 3.44in (h) and 72.97lbs Storage Array - 974.7mm (d) x 483mm (w) x 222.3mm (h) and 135Kg / 38.37in (d) x 19.02in (w) x 8.75in (h) and 297.62lbs			
Supported Operating Systems	Windows Server® 2016 for Embedded Systems			
Automatic Storage Management	Policy based management options for automatic deletion or protection of old footage			
Recording Hard Drive	3.5in Nearline SAS			
Operating System and Configuration Hard Drive Bays	Dual redundant RAID1 mirrored drives separate from Recording Hard Drives			
RAID Controller	Dual Hardware RAID Controller with battery and flash backed cache configured as ADAPT*			
Attached Storage	Direct attached, Dual redundant 12Gbps SAS			
Network Interface	Dual Port Redundant 10Gb SFP+ (Video), Dual Port Redundant 1Gbps (Server Management), Dual Port Redundant 1Gbps (Storage Array Management), TCP, UDP, ICMP, IGMP, SNMP, HTTP, NTP, FTP			
Network Security	Windows Server Firewall, Network Access Protection (NAP)			
Regulatory	EN 60950-1, IEC 60950-1, EN 55022, CISPR 22, EN 61000-3-2, EN 55024, IEC 61000-3-2 (Class D), EN 61000-3-3, IEC 61000-3-3, CISPR 24, UL 60950-1			
Housing	Mild Steel Chassis and Fascia			
Electrical	Storage Array Server - 2 x 1100W, 100-240VAC, 50/60 Hz, Auto Switching, Dual-Redundant Hot Swap PSU Storage Array - 2200W, 7507 BTU, 200-240 VAC, 11.07-9.23A (x2), 50/60 Hz, Auto Switching, Dual Hot Swappable PSU			
Operating Temperature	10°C to 35°C (50°F to 95°F)			
System Management	iDRAC9 Express			
Supplied Accessories	Rack Mount Kit (brackets, static rails and mounting hardware), removable lockable fascia, PDU power cords (x2) and USB restore media			
Onboard Diagnostics	Fault alarm notification within Control Center for storage array RAID degradation, server operating system RAID degradation, RAID controllers, enclosures, fans, redundant power supplies, redundant network and temperature faults***. Additionally, embedded monitoring tools provide detailed fault diagnosis for all faults on the storage array server and storage array.			

Control Center Licensed Features The availability of the following NVR features varies based on the Control Center software product the NVR is connected to**	
Licensing	IndigoVision NVR appliances do not need a separate license. Video from any connected camera or encoder to the system can be recorded
Video	Simultaneously record and playback full frame rate, full resolution video streams from any connected IndigoVision IP Camera or Encoder. Record and playback from other devices including ONVIF Profile S conformant cameras and encoders as well as devices integrated via Camera Gateway™
Audio	Recording and playback of AAC and G.711 audio****
Thumbnails	Indexed recordings for rapid display of time-based, alarm-based or motion-based thumbnails
Alarms	Recording and logging of alarms and events
Bookmarks	Recording and logging of bookmarks in association with recordings
Integrated Data	Recording and logging of millions of data records from LPR, EPOS and other integrations
Analytics	Recording and playback of motion analysis data from cameras****
Redundancy and Failover	Full DNA support, sophisticated failover and mirroring strategies amongst multiple NVRs for increased resilience and redundancy
Digital Watermarking	Digital signing at point of recording and at export^

* Can also be configured as RAID6. ** Please check the Control Center datasheets for more information. *** Please note that NVR-AS 15.4.10 or later is required **** Features may vary based on capabilities of camera model.

Accessories

Accessories	Product Code
Direct Attach twinax cable kit with SFP+ connectors – 1m	110351
Direct Attach twinax cable kit with SFP+ connectors – 3m	110352
Direct Attach twinax cable kit with SFP+ connectors – 5m	110353
10GBASE-SR fibre optic SFP+ transceiver	110361

Note: IndigoVision reserves the right to change specifications at any time.

IndigoVision®

a Motorola Solutions Company

Enterprise NVR-AS

Enterprise Recording. Intelligently Designed.

With double the performance of the nearest alternative, the IndigoVision Enterprise NVR-AS can record up to 200 cameras, has data throughput of 2 Gbps and up to 192TB usable storage. Guaranteed tamper free evidence, automatic failover and integrated backup. Available with Windows or Linux, the Enterprise NVR-AS can also integrate other security systems for complete alarm management and has recording support for multiple camera manufacturers.

Key Features

COMPRESSION

H.264 | H.265* | JPEG 2000 | MJPEG | MPEG-4

AAC | G.711

OTHER

DNA | Firewall | W | Windows | Linux

PHYSICAL

1U Height | 2U Height | 19" Rack

STORAGE

RAID5 | RAID6 | SATA

*Supported from Control Center v16.0 or later

Product Codes

100 Channel	Windows	Linux
Enterprise NVR-AS 6TB	980483	980583
Enterprise NVR-AS 12TB	980484	980584
Enterprise NVR-AS 36TB	980485	980585

200 Channel	Windows	Linux
Enterprise NVR-AS 48TB	980480	980580
Enterprise NVR-AS 120TB	980486	980586
Enterprise NVR-AS 168TB	980487	980587

Specification

General Specification	100 Channel			200 Channel		
Form Factor	1U	1U	1U	2U	2U	2U
Disk Space (TB)	6	12	36	48	120	168
Recording Hard Drive Bays	4 of 4			8 of 12	12 of 14	16 of 18
Expandable to Disk Space (TB)	N/A			56, 64, 72, 80	132, 144	180, 192
Compatible Drives (TB)	N/A			8	12	
Performance (Streams)	100 Recording plus simultaneous playback of 50 streams			200 Recording plus simultaneous playback of 50 streams		
Performance (Throughput)	300 Mbps in; 100 Mbps out; 400 Mbps total^			Windows - 10 Gbps Ethernet: 1.6 Gbps in; 240 Mbps out; 1.84 Gbps total	Windows - 10 Gbps Ethernet: 2.0 Gbps in; 400 Mbps out; 2.4 Gbps total	
				Linux -10 Gbps Ethernet: 1.28 Gbps in; 320 Mbps out; 1.6 Gbps total		
Processor	Intel Xeon E-2124 3.3GHz			2 x Intel Xeon Silver 4110		
Memory	8GB RAM DDR4			16GB RAM DDR4		
Dimensions/Weight	595mm (d) x 434 mm (w) x 42.8mm (h) and 12.2Kg / 23.4in (d) x 17.09in (w) x 1.69in (h) and 26.9lbs			755.8mm (d) x 444mm (w) x 87.3mm (h) and 33.1Kg / 29.76in (d) x 17.48in (w) x 3.44in (h) and 72.97lbs		
Supported Operating Systems	Windows - Windows Server® 2016 for Embedded Systems Essentials Linux - IndigoVision NVR Appliance Operating System					
Automatic Storage Management	Policy based management options for automatic deletion or protection of old footage					
Recording Hard Drive	3.5in SATA					
Operating System and Configuration Hard Drive Bays	On recording hard drives			Dual redundant separate mirrored drives configured as RAID1		
RAID Controller	Hardware RAID Controller configured as RAID5			Hardware RAID Controller with Flash Backed Cache configured as RAID6		
Network Interface	Dual Port Redundant 10/100/1000 BaseT RJ-45 Connections, configured as an 802.1ax LACP aggregated group			Dual Port Redundant 10GB DA/SFP+ and Dual Port Redundant 100/1000 BaseT RJ-45 Connections, configured as an 802.1ax LACP aggregated group		
Network Security	Windows - Windows Server Firewall, Network Access Protection (NAP) Linux - SSH, SFTP, Embedded Linux Firewall					
Regulatory	EN 60950-1, IEC 60950-1, EN 55022, CISPR 22, EN 61000-3-2, EN 55024, IEC 61000-3-2 (Class D), EN 61000-3-3, IEC 61000-3-3, CISPR 24					
Housing	Mild Steel Chassis and Fascia					
Electrical	250W, 100-240VAC, 50/60 Hz, Auto Switching, Single PSU, Secondary Dual-Redundant Hot Swap PSU not supported			2 x 1100W, 100-240VAC, 50/60 Hz, Auto Switching, Dual-Redundant Hot Swap PSU		
Operating Temperature	10°C to 35°C (50°F to 95°F)					
System Management	iDRAC9 Basic			iDRAC9 Express		
Supplied Accessories	Rack Mount Kit, Removable Lockable Fascia, PDU power cord and USB Restore Media^^^			Rack Mount Kit^^^	Rack Mount Kit and Cable Management Arm^^^	
				Removable lockable fascia, PDU power cord and USB restore media		
Onboard Diagnostics	Fault alarm notification within Control Center for RAID degradation, fans, redundant power supplies, recording failure and redundant network faults. Additionally, embedded monitoring tools provide detailed fault diagnosis for RAID arrays, controllers, enclosures and temperature faults.					
IndigoVision Software Requirements	Windows - Control Center v16.0 or later Linux - Control Center v16.0 or later			Windows - Control Center v13.2 or later Linux - Control Center v15.2 or later		

Control Center Licensed Features
The availability of the following NVR features varies based on the Control Center software product the NVR is connected to**

Licensing	IndigoVision NVR appliances do not need a separate license. Video from any connected camera or encoder to the system can be recorded
Video	Simultaneously record and playback full frame rate, full resolution video streams from any connected IndigoVision IP Camera or Encoder. Record and playback from other devices including ONVIF Profile S conformant cameras and encoders as well as devices integrated via Camera Gateway™
Audio	Recording and playback of AAC and G.711 audio*
Thumbnails	Indexed recordings for rapid display of time-based, alarm-based or motion-based thumbnails
Alarms	Recording and logging of alarms and events
Bookmarks	Recording and logging of bookmarks in association with recordings
Integrated Data	Recording and logging of millions of data records from LPR, EPOS and other integrations
Analytics	Recording and playback of motion analysis data from cameras*
Redundancy and Failover	Full DNA support, sophisticated failover and mirroring strategies amongst multiple NVRs for increased resilience and redundancy
Digital Watermarking	Digital signing at point of recording and at export

* Features may vary based on capabilities of camera model.
** Please check the Control Center datasheets for more information.
^^ 12 Bay Chassis has 12 Hard Drive Bays accessible from front of chassis.
    14 Bay Chassis has 12 Hard Drive Bays accessible from front of chassis and 2 supported Internal Hard Drive Bays accessible from the top panel of chassis.
    18 Bay Chassis has 12 Hard Drive Bays accessible from front of chassis and 4 Internal Hard Drive Bays accessible from the top panel of chassis and 2 rear accessible Hard Drive Bays.
^^^ All NVR-AS 4000 1U Rack Mount Kit includes 2/4 post static rails, brackets and mounting hardware.
    980480/980580 Rack Mounts Kit includes 2/4 post static rails, brackets and mounting hardware.
    980486/980487/980586/980587 Rack Mounts Kit includes sliding rack rails, brackets, mounting hardware and cable management arm.

Accessories

Accessories	Product Code
Enterprise NVR-AS 8TB SATA Hard Disk Caddy & Disk	110308
Enterprise NVR-AS 4000 G3 2U 12TB SATA Hard Disk Caddy & Disk	110321
Direct Attach twinax cable kit with SFP+ connectors - 1m	110351
Direct Attach twinax cable kit with SFP+ connectors - 3m	110352
Direct Attach twinax cable kit with SFP+ connectors - 5m	110353
10GBASE-SR fibre optic SFP+ transceiver	110361
Sliding rack rails with cable management arm	110300

Note: IndigoVision reserves the right to change specifications at any time.

Compact Network Video Recorder

Small Size. Huge Performance.

With recording and simultaneous playback for up to 20 cameras, the IndigoVision Compact NVR-AS 4000 is ideal for smaller installations or for installations designed with distributed storage. With a Hard Disk Drive (HDD) that's optimised for 24/7 video recording, the Compact NVR-AS 4000 has recording support for multiple camera manufacturers.

Key Features

COMPRESSION

H.264 | H.264 | JPEG 2000 | MJPEG | MPEG-4

GUARANTEED 30fps | AAC | G.711

OTHER

DNA | Firewall | W | (Linux)

PHYSICAL

1U Height | (network)

STORAGE

SATA

Product Codes

20 Channel	Product Code
Compact NVR-AS 1TB (Slimline)	980411
Compact NVR-AS 4TB	980424
Compact NVR-AS 12TB	980426

Dimensions: 1TB (Slimline)

| View on Left Face | View on Top Face | View on Right Face |

198mm / 7.80in
145mm / 5.71in

View on Left Face · View on Top Face · View on Right Face

View on Back Face · View on Front Face

48.0mm / 1.89in

Dimensions: 4TB/12TB

200mm / 7.87in
144mm / 5.67in

View on Top Face · View on Side Face

70.5mm / 2.78in

View on Back Face · View on Front Face
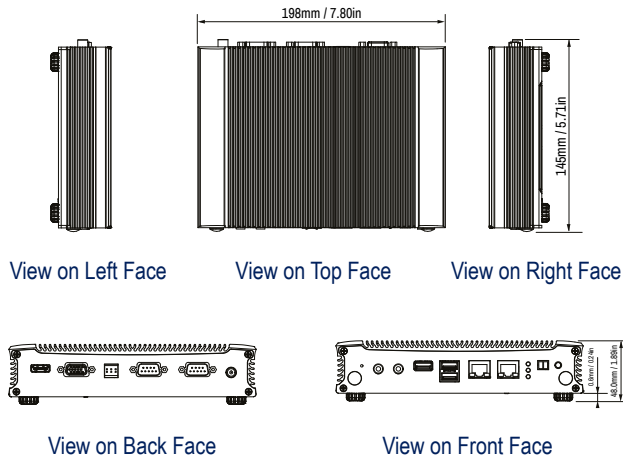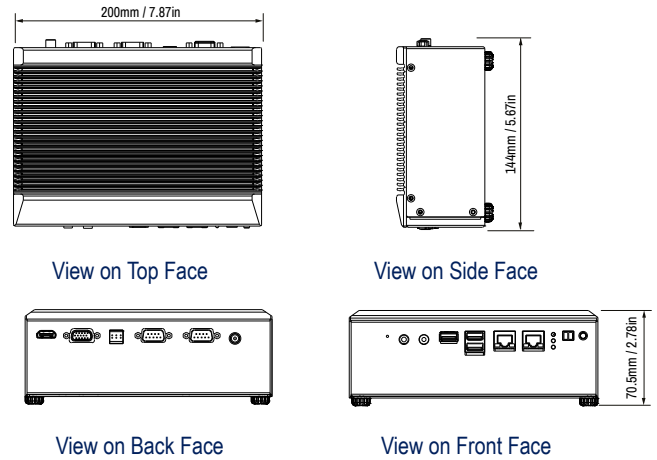
Specification

General Specification	1TB (Slimline)	4TB	12TB
Disk Space (TB)	1	4	12
Performance (Streams)	20 Recording plus simultaneous playback of 20 streams		
Performance (Throughput)	40 Mbps in; 40 Mbps out; 80 Mbps total		
Processor	Intel Celeron N2930 2GHz		
Dimensions/Weight	145mm (d) x 198mm (w) x 48.0mm (h) and 1Kg / 5.71in (d) x 7.80in (w) x 1.89in (h) and 2.204lb	144mm (d) x 200mm (w) x 70.5mm (h) and 1.56Kg / 5.67in (d) x 7.87in (w) x 2.77in (h) and 2.32lb	
Supported Operating Systems	Embeded Linux		
Automatic Storage Management	Policy based management options for automatic deletion or protection of old footage		
Recording Hard Drive	1 x 2.5in Western Digital AV series optimised for 24x7 video storage	1x 3.5in SATA Seagate SkyHawk optimised for 24x7 video storage	
Network Interface	Dual redundant 100/1000 BaseT RJ-45, TCP, UDP, ICMP, IGMP, HTTP, NTP, SSH, SFTP		
Network Security	SSH, SFTP, Embedded Linux Firewall		
Regulatory	EN55022 (2010) ITE – Class A, EN55024 (2010), 47CFR47: 2011 Part 15 subpart B -Class A, EN60068-2-29:1993 (15G), EN60068-2-64:1995 (Random) EN60068-2-96:1996 (Sine), EN60068-2-30, EN60068-2-1 at 0°C, EN60068-2-2 at +50°C (EN60068-2-2 @ 60°C for 1TB Extended Temperature)		
Housing	Aluminium steel enclosure (fanless)		
Electrical	Operating Voltage: Input 100-240V ~ 47-63Hz 1A; Power consumption: 21W operational, 24W (max). 12V DC power supply included		
Operating Temperature	0°C to 50°C (32°F to 122°F)		
Supplied Accessories	External PSU		
Mounting Options	Wall Mount, Rack Mount, VESA Mount, DIN Mount Accessory Kit		
Onboard Diagonostics	Disk, Network, License, Recording Failure Monitoring		
IndigoVision Software Requirements	Control Center v12.0 or later	Control Center v16.1 or later***	

Control Center Licensed Features The availability of the following NVR features varies based on the Control Center software product the NVR is connected to**			
Licensing	IndigoVision NVR appliances do not need a separate license. Video from any connected camera or encoder to the system can be recorded		
Video	Simultaneously record and playback full frame rate, full resolution video streams from any connected IndigoVision IP Camera or Encoder. Record and playback from other devices including ONVIF Profile S conformant cameras and encoders as well as devices integrated via Camera Gateway™		
Audio	Recording and playback of AAC and G.711 audio*		
Thumbnails	Indexed recordings for rapid display of time-based, alarm-based or motion-based thumbnails		
Alarms	Recording and logging of alarms and events		
Bookmarks	Recording and logging of bookmarks in association with recordings		
Integrated Data	Recording and logging of millions of data records from LPR, EPOS and other integrations		
Analytics	Recording and playback of motion analysis data from cameras*		
Redundancy and Failover	Full DNA support, sophisticated failover and mirroring strategies amongst multiple NVRs for increased resilience and redundancy		
Digital Watermarking	Digital signing at point of recording and at export		

* Features may vary based on capabilities of camera model. ** Please check the Control Center datasheets for more information.
^ With or without Digital Watermarking enabled.

Accessories

Accessories	Product Code
Wall Mount Bracket	110371
19" Rack Mount Bracket	110372
VESA Mount Bracket	110373
DIN Mount Accessory Kit	110374

Note: IndigoVision reserves the right to change specifications at any time.

ID: C-NVR-AS-4000 20.0 OCT 20

Windows NVR-AS v17.1 Software

Your route to scalable recording

The IndigoVision Windows Network Video Recorder is a software NVR application that supports internal disks, internal RAID array, SCSI RAID array, iSCSI and Fibre Channel SAN and NAS. The IndigoVision Windows Network Video Recorder can also integrate with other security systems for complete alarm management and has recording support for multiple camera manufacturers.

Key Features

COMPRESSION

H.265 H.264 JPEG 2000 MJPEG MPEG-4

AAC G.711 GUARANTEED 25fps

OTHER

DNA W Windows

Product Codes

Windows NVR Licenses	Product Code
IndigoUltra® - 3rd Party Windows NVR-AS Single Connection License	340900-U
IndigoPro® - 3rd Party Windows NVR-AS Single Connection License	340900-P
IndigoPro® to IndigoUltra® - 3rd Party Windows NVR-AS Upgrade Connection License	345900-PU
IndigoLite® to IndigoUltra® - 3rd Party Windows NVR-AS Upgrade Connection License	345900-LU
IndigoLite® to IndigoPro® - 3rd Party Windows NVR-AS Upgrade Connection License	345900-LP
IndigoUltra® - Migration w active SUP - 3rd Party Windows NVR-AS Single Device Connection	341903-U
IndigoPro® - Migration w active SUP - 3rd Party Windows NVR-AS Single Device Connection	341903-P
IndigoLite® - Migration w active SUP - 3rd Party Windows NVR-AS Single Device Connection	341903-L
Windows NVR Demo Licenses	**Product Code**
IndigoUltra® - Demo - 3rd Party Windows NVR-AS - Single Connection License	346903-U
IndigoPro® - Demo - 3rd Party Windows NVR-AS - Single Connection License	346903-P

The Windows NVR-AS software is included on the Control Center management software CD.

Specification

Control Center		
General Specification	**IndigoUltra®**	**IndigoPro®**	**IndigoLite®**

General Specification	IndigoUltra®	IndigoPro®	IndigoLite®
Maximum Channels	200 per instance	80	40
Included Device Connection Licenses	0		
Performance (Streams)	See Performance Guide		
Supported Operating Systems	Windows Server 2019®, Windows Server 2016®, Windows Server 2012 R2®, Windows Server 2012®, Windows 10® 64-bit, Windows 8.1® 64-bit		
Automatic Storage Management	Policy based management options for automatic deletion or protection of old footage		

Control Center Licensed Features **The availability of the following NVR features varies based on the Control Center software product the NVR is connected to****
Licensing	To connect third party hardware to an IndigoVision IndigoPro® or IndigoUltra® system a software license is required. One software license connects a single NVR instance
Video	Simultaneously record and playback full frame rate, full resolution video streams from any connected IndigoVision IP Camera or Encoder. Record and playback from other devices including ONVIF Profile S conformant cameras and encoders as well as devices integrated via Camera Gateway™ or Video Stream Manager (VSM)
Audio	Recording and playback of AAC and G.711 audio*
Thumbnails	Indexed recordings for rapid display of time-based, alarm-based, bookmark-based or motion-based thumbnails
Alarms	Recording and logging of alarms and events, Alarm Escalation, Alarm Schedules, Actions on Events, Zones, Event Inputs
Bookmarks	Recording and logging of bookmarks in association with recordings
Integrated Data	Recording and logging of millions of data records from LPR, EPOS, facial recognition and other integrations
Third Party Inputs	Through IndigoVision Integration Modules, IndigoVision Binding Kit or Digital Input
Redundancy and Failover	Full DNA support, sophisticated failover and mirroring strategies amongst multiple NVRs for increased resilience and redundancy
Automatic NVR Switching	Automatically switch between multiple NVRs to ensure continuous playback and export of video, even when there is a gap in recording on the primary NVR
Digital Watermarking	Digital signing at point of recording and at export

* Features may vary based on capabilities of camera model. ** Please check the Control Center datasheets for more information. ^ Performance may vary based on the capabilities of the NVR-AS PC.

NVR-AS PC Hardware Requirements

The NVR-AS PC is recommended to be server class with at least a quad-core processor, a minimum of 8GB of system memory and 128GB of local system disk space running Windows Server® 2016. Enabling digital signatures approximately doubles CPU usage. For reliable system operation, the total system CPU usage should be less than 70%. This means that digital signatures should not be enabled if the NVR- AS averages more than 35% CPU in normal operating conditions.

INTEGRATE
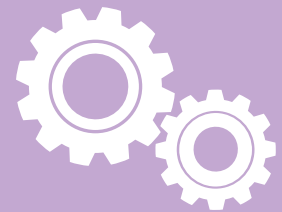
Enhance your system with third party functionality for even greater flexibility

The power of adding integrations between IndigoVison's VMS and third party software means that you can take your investigations to another level, in terms of the information your team has access to and the time they take to respond.

Operators can respond faster to incidents, as integrations remove the need to manually switch between systems such as access control, intruder management, intercoms and back to the VMS. Get increased situational awareness of events on your site, as immediate alerts are sent to operators, reducing the time it takes to react when incidents occur. Using integrations, control room operators can direct security personnel on-the-ground more effectively and quickly alert emergency services to any incident.

Our Video Management Software (VMS), Control Center, and cameras are ONVIF Profile S conformant, making them fully interoperable with other vendors' technology so that you can leverage external cameras as part of your system. Using Camera Gateway™, you have the freedom to connect any other manufacturer's cameras into your IndigoVision security system.

If you're looking for even greater flexibility, IndigoVision's Software Development Kit (SDK) allows software developers to integrate our Control Center VMS with third party software when there are no existing integration modules available, such as police communication systems in cities or radar systems in airport applications.

Integrate Index
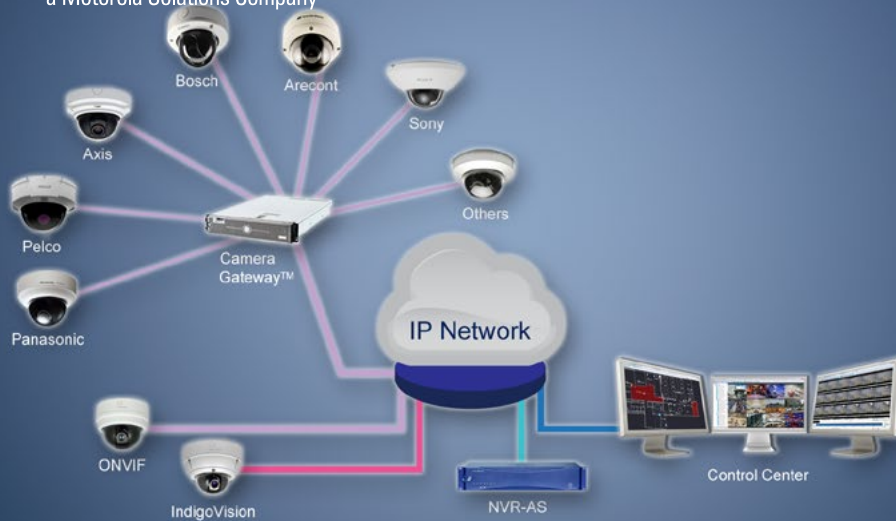
Camera Gateway™

Freedom to choose any camera

The IndigoVision Camera Gateway™ enables cameras from a range of other manufacturers to be connected to the IndigoVision Control Center suite. It takes video streams from other manufacturers' cameras using their native protocols and integrates them into the Control Center front-end application.

Camera Gateway™ also supports audio, PTZ control, events and outputs. The cameras do not need to support ONVIF in order to connect to the IndigoVision system, giving customers a wide choice of cameras to integrate.

Camera Gateway™ is a software service that can be installed on a Windows server, giving total flexibility. The service enables multiple clients to stream video from the same camera, whilst only requiring a single stream from the camera to the Camera Gateway™.
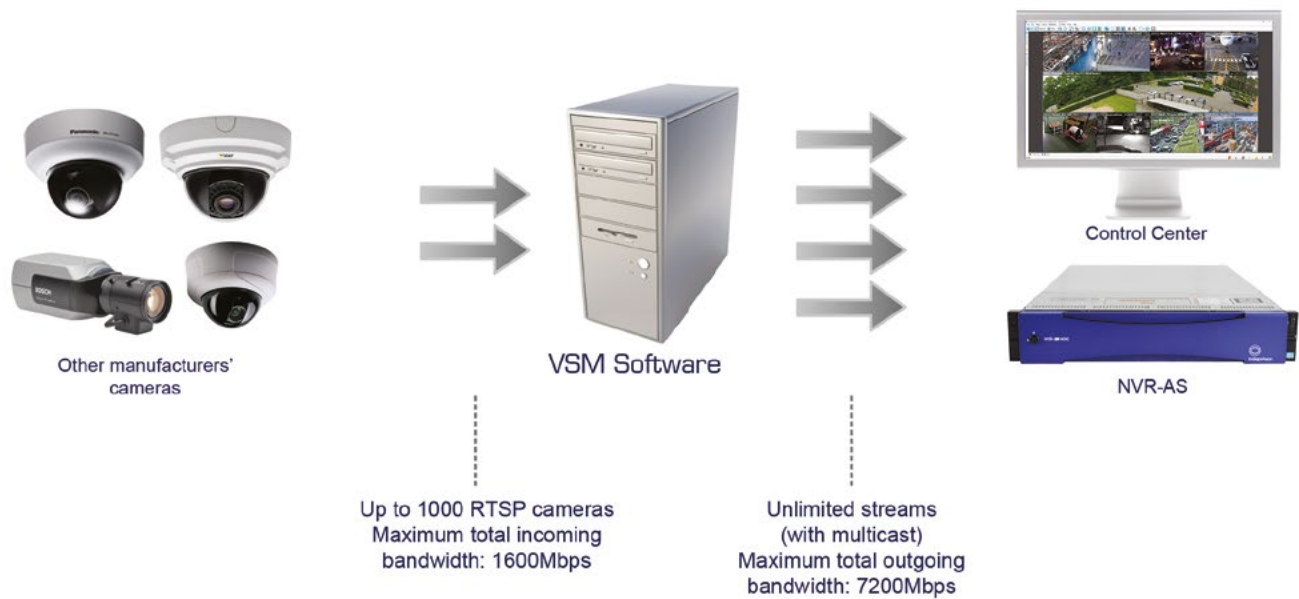
- Live video streaming MJPEG, MPEG-4 or H.264

- PTZ control

- Audio receive

- Dual streaming - select different profiles for live viewing and recording

- Events and outputs

Specification

General Specification	
Live Video	Live video streaming: MJPEG, MPEG4, H.264 Dual Streaming - select different profiles for live viewing and recording PTZ control Multicast from Camera Gateway™ to Control Center
Audio	Audio Receive
Recording and Playback	Record video: MJPEG, MPEG4, H.264 Record audio: G.711 Record on alarm Playback video and audio Thumbnails, bookmarks
Alarms and Events	Events from other cameras: Motion Detection / Binary Inputs and Outputs
Supported Devices	Cameras from a wide range of manufacturers, including: 3S Grandstream ACTi Mobotix Arecont Panasonic Axis Pelco Basler Samsung Bosch SightLogix Digital Barriers Sony Ganz Vivotek Grandeye
Supported Operating Systems**	Windows 10 ® 64-bit, Windows Server 2012 ®, Windows Server 2012 ® R2 Installation in a virtual machine hosted on VMWare ESXi 6.0 is fully supported
Hardware Requirements	Server class PC; Current generation Intel Xeon Processor with 3.10 Ghz clock speed; 4GB RAM
Performance	Maximum incoming bandwidth (cameras to Camera Gateway™), 150Mbps. Maximum outgoing bandwidth (Camera Gateway™ to Control Center and NVR), 450Mbps. Maximum number of cameras, provided the bandwidth is within the limits above: 100.

** For systems with more than 16 streams Windows Server 2012 or later is recommended. Further details available in the Install Guide and Performance Reference Guide.

Camera Gateway™ Diagram

Other manufacturers' cameras

Camera Gateway ™

Control Center

NVR-AS

Up to 100 cameras
Maximum total incoming
bandwidth: 150Mbps

Unlimited streams
(with multicast)
Maximum total outgoing
bandwidth: 450Mbps
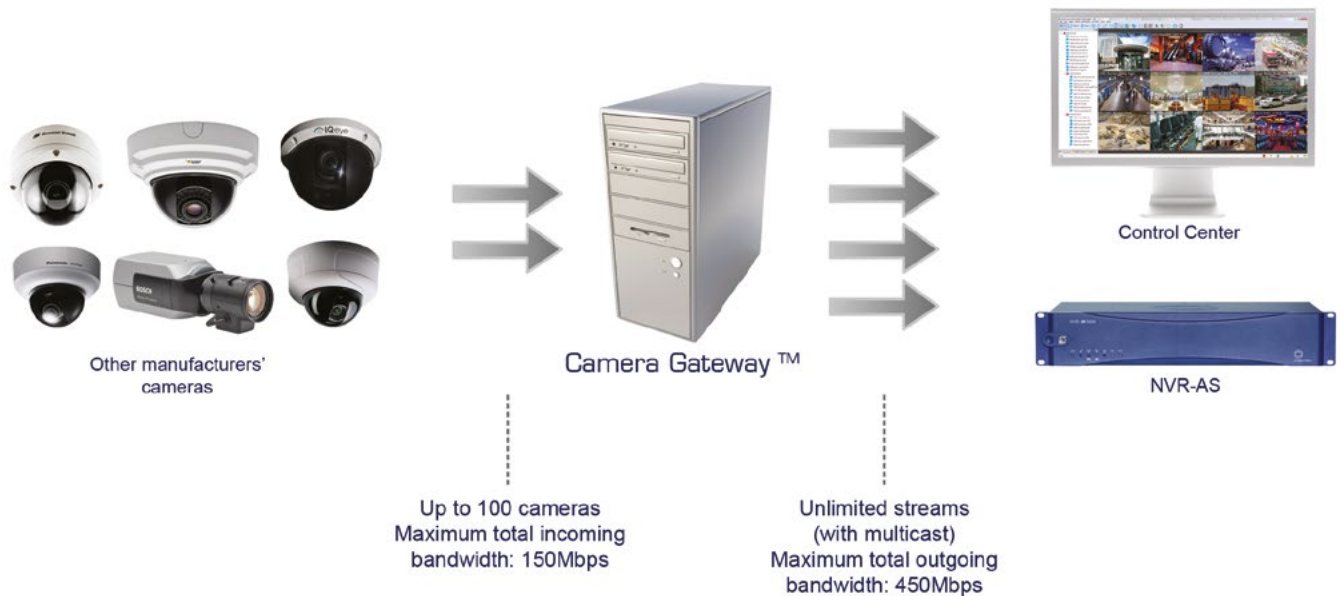
Video Stream Manager Software

Intelligently manage ultra-high resolution video & RTSP cameras

The IndigoVision Video Stream Manager (VSM) enables cameras from a range of other manufacturers to be connected to the IndigoVision Control Center suite by using the industry standard RTSP protocol.

The VSM also provides powerful and integrated enterprise management of ultra-high resolution JPEG2000 video from Ultra 5K cameras.

The VSM is a software service that can be installed on a Windows server, giving total flexibility. The service enables multiple clients to stream video from the same camera, whilst only requiring a single stream from the camera to the VSM.

- Integrate a variety of third party cameras

- Live video streaming

- Supports up to 1000 RTSP cameras per server

- Supports ONVIF and IndigoVision's Ultra 5K cameras

Specification

General Specification	
Live Video	Live video streaming from RTSP cameras: MJPEG, MPEG4, H.264 ONVIF PTZ Control Multicast from VSM to Control Center Live video streaming from Ultra 5K cameras: JPEG2000 Multiple Streaming - up to ten different streams from each Ultra 5K for live viewing or recording
Audio	Supported*
Recording and Playback	Record video: MJPEG, MPEG4, H.264, JPEG2000 Playback video Thumbnails, bookmarks
Alarms and Events	Not supported
Supported Devices	Cameras from a wide range of manufacturers including: Axis Samsung Bosch Sony Pelco
Supported Operating Systems	Windows ® Server 2016 ® (recommended), Windows ® Server 2012 R2 ®, Windows ® 8.1 (64-bit) ®
Recommended Hardware Specifications	Intel Xeon E5-2620 v3, 16GB RAM (4x 4GB); Intel X520 10GB Ethernet Adapter; Windows ® Server 2012 R2 ®
Performance	Maximum incoming bandwidth (cameras to VSM), 1600Mbps Maximum outgoing bandwidth (VSM to Control Center and NVR), 7200Mbps Maximum number of RTSP cameras, provided the bandwidth is within the limits above: 1000 Maximum number of Ultra 5K Cameras: 2

* Supports proxying events generated by ONVIF cameras

VSM Software Diagram

Other manufacturers' cameras

VSM Software

Control Center

NVR-AS

Up to 1000 RTSP cameras
Maximum total incoming
bandwidth: 1600Mbps

Unlimited streams
(with multicast)
Maximum total outgoing
bandwidth: 7200Mbps

Software Development Kit

The IndigoVision Software Development Kit (SDK) allows software developers to integrate third party applications with the IndigoVision IP Video and Alarm Management System.

- Available to Authorised Partners free of charge, on the IndigoVision Product CD*

- SDK consists of six components:
  - IndigoVision Binding Kit - Integrate events and alarms with third party systems (e.g. access control systems, alarm management systems)
  - Custom Objects - Create new functionality within the Control Center front-end application
  - Control Center Automation Interface - Interact programmatically with the Control Center front-end application
  - IndigoVision Snap - Automatically take snapshots at configurable intervals
  - Control Center Site Database SDK - Create applications that can retrieve information from a Control Center site database
  - Control Center Video SDK* - Integrate video from an IndigoVision system into third party applications

Product Codes

Software Development Kit	
IndigoVision Binding Kit Custom Objects Control Center Automation Interface IndigoVision Snap Control Center Site Database SDK	Included on the IndigoVision Product CD - Control Center - 340003
Control Center Video SDK*	Contact your Sales Agent for more information

* Although part of the Software Development Kit the 'Video Integration Kit' component is not available on the IndigoVision Product CD, this is obtainable by contacting your Sales Agent.

SDK Components

Control Center Video SDK

The IndigoVision Control Center Video SDK provides a high performance way to integrate video from an IndigoVision system into third party application software. The SDK enables live video display, PTZ control, and playback and export of recordings.

The SDK can be used to create GUI applications which display live and recorded video. In addition, live and recorded video from an IndigoVision system can be integrated into server video analytics applications such as facial recognition.

Fixed Dome Camera

Third Party Application using the Control Center Video SDK

PTZ Dome Camera

NVR-AS   Encoder   Analogue Camera
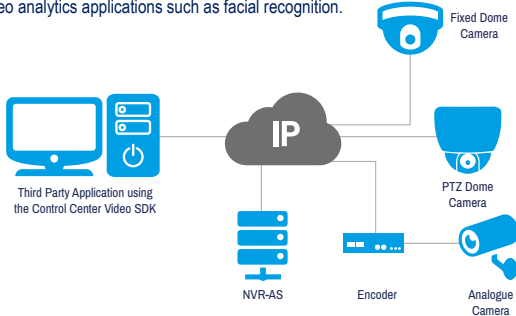
Control Center Site Database SDK

The IndigoVision Control Center Site Database SDK provides access to information held in the Control Center site database, including camera names, credentials and primary NVRs.

Programmers can using this information, for example with the Control Center Video SDK, to stream live video from a camera or recorded video from an NVR.

Third Party Application using the Site Database SDK

Control Center Site Database
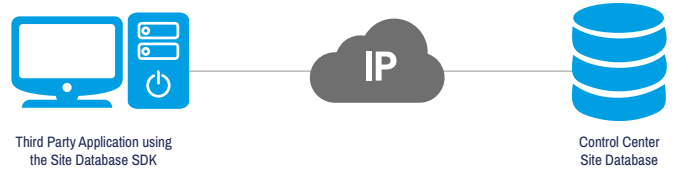
IndigoVision Binding Kit

The IndigoVision Binding Kit allows you to integrate two types of external data with the IndigoVision system. The first type is alarm information, for example events from access control or fire alarm systems. The second type is text data from systems such as EPOS or LPR. Both types can be associated with a camera within Control Center. This is useful for reviewing recordings associated with particular events from these third party systems.

The Binding Kit supports text data at rates up to 1 event per second, with up to 3 million records per NVR-AS making it suitable for a wide range of applications.

Fixed Dome Camera

Access Control Application   Binding Application
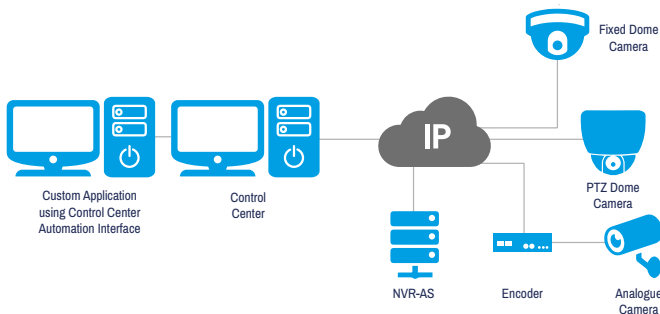
NVR-AS
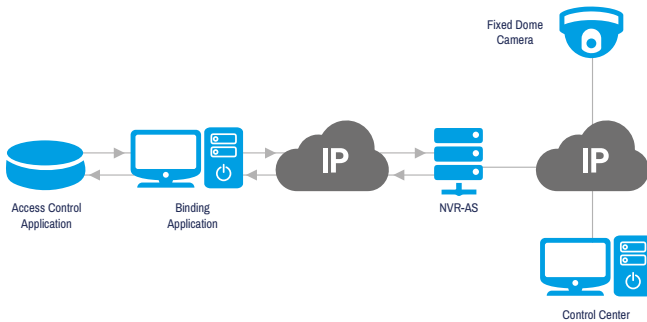
Control Center

Custom Objects

The IndigoVision Custom Object SDK allows third party developers to integrate objects into Control Center. For example, an integration between Control Center and an access control system could create objects representing doors. The door objects could be controlled within the Control Center front-end application via the mouse and custom menus. In addition, the access control system could refresh the state of a door object by changing its icon automatically.

The Custom Object SDK supports customized icons, menus and actions, and objects can be added to Control Center's device hierarchy and maps.
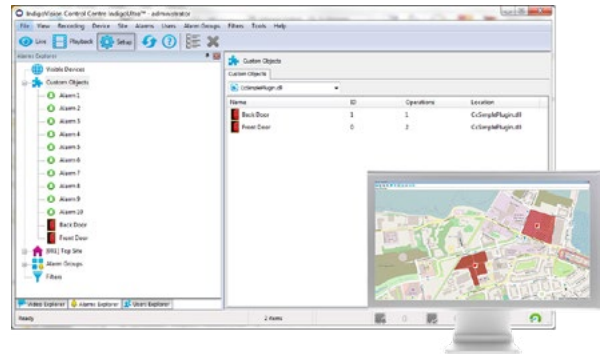
Control Center Automation Interface

The IndigoVision Control Center Automation Interface is a COM interface that enables external scripts and programs to carry out a number of operations on the Control Center front-end application. These include starting and stopping live video, playing back and exporting recordings and moving PTZ cameras.

Fixed Dome Camera

Custom Application using Control Center Automation Interface   Control Center

PTZ Dome Camera

NVR-AS   Encoder   Analogue Camera

IndigoVision Snap

The IndigoVision Snap utility allows you to take snapshots from a specified IndigoVision device at regular intervals and save them to a destination directory in JPEG format.

Fixed Dome Camera

Private Network

IndigoVision Snap Application   Web Server

Public Network
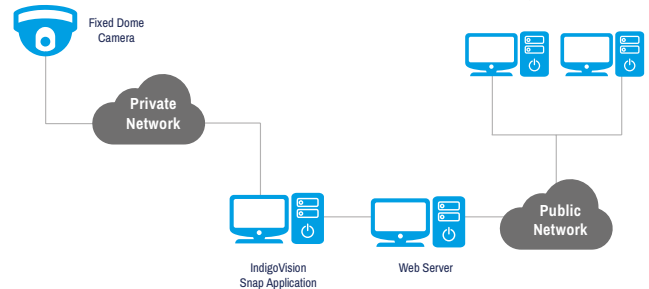
IndigoVision's Integration Modules integrate third party systems such as access control and intruder detection systems with Control Center, IndigoVision's complete suite of management software. The modules allow a flow of events between IndigoVision and the external system in a totally seamless fashion to deliver a fully integrated security solution. Third party events can trigger a wide range of actions within the IndigoVision system including starting recordings, displaying live video, moving PTZ cameras and sending notification emails. Some third party systems can also receive events from IndigoVision.

	CONTROL CENTER ACTING AS FRONT END			THIRD PARTY SYSTEM ACTING AS FRONT END		
Access Control						
AMAG TECHNOLOGY	X	X		X	X	
GALLAGHER	X			X	X	X
Honeywell Galaxy	X		X			
LENEL OnGuard	X		X	X		
MAXXESS	X	X	X			
nedap	X		X			
PAC	X					
Paxton	X	X	X			
S2 SECURITY	X					
SOFTWARE HOUSE C•CURE 9000	X			X		X
TDSi	X	X				
AVIGILON	X	X	X			

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	CONTROL CENTER ACTING AS FRONT END			
Communication Systems				
COMMEND	X			
Perimeter Detection				
SENSTAR	X			
SOUTHWEST MICROWAVE	X		X	

	CONTROL CENTER ACTING AS FRONT END			THIRD PARTY SYSTEM ACTING AS FRONT END		
Open Interfaces						
Microsoft SQL Server	X					
System Integrations tested with Control Center - Honeywell: Pro-Watch v3.7						
OPC FOUNDATION	X			X	X	
System Integrations tested with Control Center - Schneider Electric: Andover Continuum						

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Note: Specifications are correct at the datasheet date of issue and are subject to change without prior notice.

For further information contact your local Regional Sales Manager or email us at: enquiries@indigovision.com

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SAFETY. SECURITY. BUSINESS INTELLIGENCE.