



TECHNOLOGY + LINE UP 2025

For the most powerful, scalable video solutions – connect with IDIS





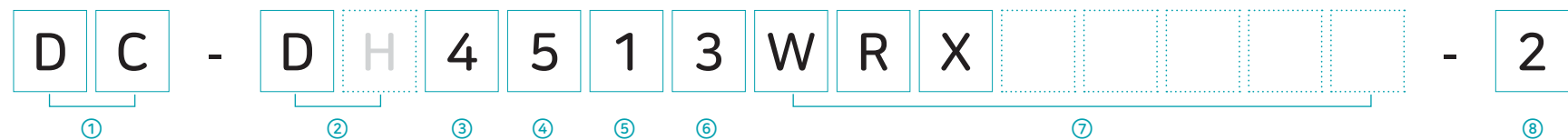
One Solution. One Company.

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IDIS NAMING STRUCTURE

Network Cameras



① Product

DC : IP Camera
TC : Analog Camera

② Type

D : Dome
T : Bullet
B : Box
S : PTZ
Y : Fisheye
V : Covert
Z : Zoom
M : Mobile
G : Parking
U : Multi-imager
 Multi-directional
 Stitching
 Dual dome
TH : Thermal
SP : Specialty

③ Series

1,3 : Legacy Model
2 : Lite Series Model
4 : Quality Model
6 : Expert Model
8 : Flagship Model

④ Resolution

IP Camera, Analog Camera
0 : Lower than 1MP
1~9 : 1MP ~9MP
A~F : 10MP ~ 15MP

IP Camera > Thermal Camera
0 : Lower than CIF
1 : CIF
2 : VGA
3 : 1MP

⑤ Lens

0 : No Lens
1 : Fixed Lens
2 : Vari-focal Lens
3 : Motorized focus Lens 2.8mm ~ 12mm
4 : Motorized focus Lens 9mm ~ 22mm
5 : Motorized focus Lens 20mm ~ 50mm
6 : Zoom Lens x10~x19
7 : Zoom Lens x20~x29
8 : Zoom Lens x30~x40
9 : Zoom Lens Reserved
A : Stitching

⑥ Version

0 : Reserved
1~9, A~Z

⑦ Extension

IP Camera	
Stainless	S
Weather Proof	W
Vandal Resistance	V
Flush	F
Compact	C
Turret	E
ReactGuard	G
IR LED	R
Wireless Network	N
PSE Support	P
Motorized PanTilt	M
Modular Jack Type	J
AI Embedded	A

Analog Camera	
Stainless	S
Weather Proof	W
Vandal Resistance	V
Flush	F
Compact	C
IR LED	R
PoC	P

IP Camera > Specialty		
Explosion Proof	EX	
Flame Detection	FL	
Camera Type	Dome	D
	Positioner	P
	Bullet	T
	PTZ	S

⑧ Renewal Version

Case 1. Successor Replacement Models with the Same Function
For successor models with identical functionality, indicate the revision by adding a space after Extension followed by the abbreviation R, starting the numbering from R2.

Case 2. Derived Models with Additional Functions
For derived models with separate functions applied, indicate the extension by appending a dash (-) followed by a sequential number, starting from -2.

Network Video Recorder



① Product

DR : NVR
TR : DVR

② Type

M : Mobile (Mobile)
1 : Entry
2 : Quality
4 : Standard
6 : Expert
8 : Flagship

③ Generation

1~9

④ Channel

01~99 : 01~99Ch

⑤ Extension

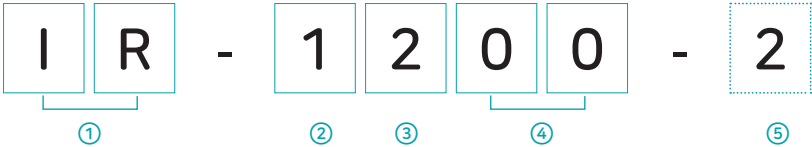
NVR	
PSE Support	P
Failover	F
Redundant Power	D
Wireless Network	W
Hybrid	H
Compact	C
DVR	
PoC	P
RAID	R
Hybrid	H
Compact	C

⑥ Renewal Version

Case 1. Successor Replacement Model (with the same functionality)
Add a space after the extension, followed by the abbreviation R (for Revision).

Case 2. Variant Model (with additional functionality)
Add a dash (-) directly after the extension, followed by a sequential number.

Pre-Installed VMS



① Product

IR : Pre-installed VMS
(Installed with IDIS Solution Suite)

② Series

1~9

③ Version

0 : Reserved
1~9

④ Channel

[PC-Grade Models]
Use 0 to ensure a three-digit model number.

[Server-Grade Models]
Use 00 to ensure a four-digit model number..

⑤ Renewal Version

Case 1. Successor Replacement Model (same functionality)
Add a space after the extension, followed by the abbreviation R (Revision).

Case 2. Variant Model (with additional functionality)
Add a dash (-) directly after the extension, followed by a sequential number.
Numbering starts from 2.

ABOUT IDIS



IDIS Tower Pangyo, South Korea

IDIS is a global security company that designs and manufactures a comprehensive offering of video surveillance solutions to meet the specific needs of users in virtually every market sector.

IDIS designs, develops, manufactures, and supports its products and software all under one roof. For customers and partners, this means they can build a complete surveillance solution using products that seamlessly integrate from just one vendor. This simplifies the buying chain and provides local sales and technical support from a single vendor. Whether a large corporate enterprise, a retail chain, or single site, IDIS has a surveillance solution that meets the needs of an extensive range of businesses. With a broad range of high- and ultra-definition IP cameras, four to 64 channel NVRs, monitors, network accessories, a choice of VMS, and our DirectCX line-up for customers looking to leverage existing coax cabling, IDIS has a solution that fits.



IDIS specialises in creating, producing, and providing surveillance solutions for commercial and public sector markets.



42th Industrial Revolution Leader Company Sector

IDIS SMART FACTORY

In 2018, IDIS was honored with a presidential citation in the 42nd National Productivity Competition (sponsored by the South Korean Ministry of Trade, Industry and Energy) for the company's custom designed IDIS Smart Factory.



6σ



IDIS Smart Factory Daejeon, South Korea

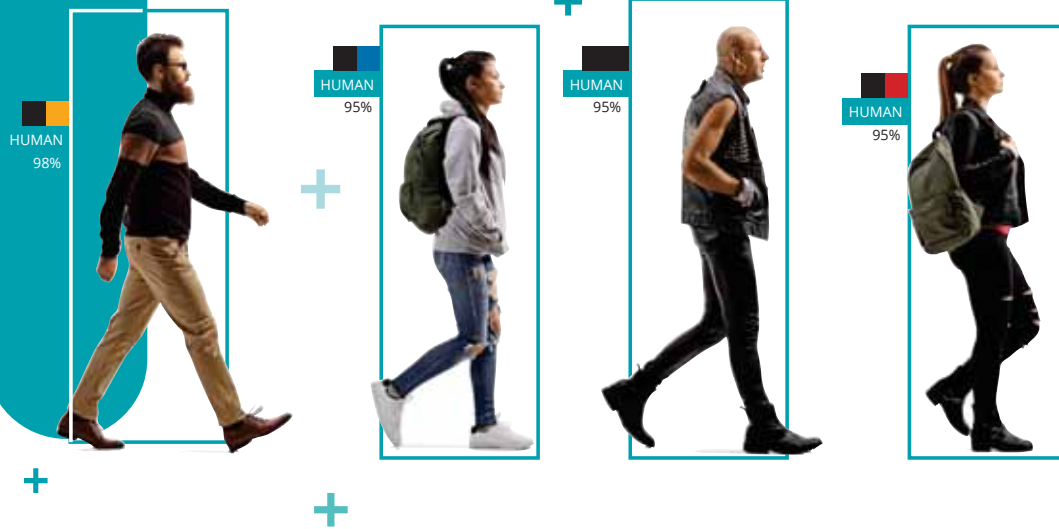
THE INDUSTRIAL MULTIMEDIA IDIS GROUP







TOTAL VIDEO SOLUTION PROVIDER





IDIS is showcasing one of the industry's most comprehensive line-ups of NDAA-compliant solutions, powered by the proprietary IDIS Deep Learning Engine. These solutions offer enhanced performance across various sectors, including Retail, Logistics, Education, Banking, and Intelligent Traffic Solutions (ITS), all while maintaining a lower total cost of ownership (TCO).

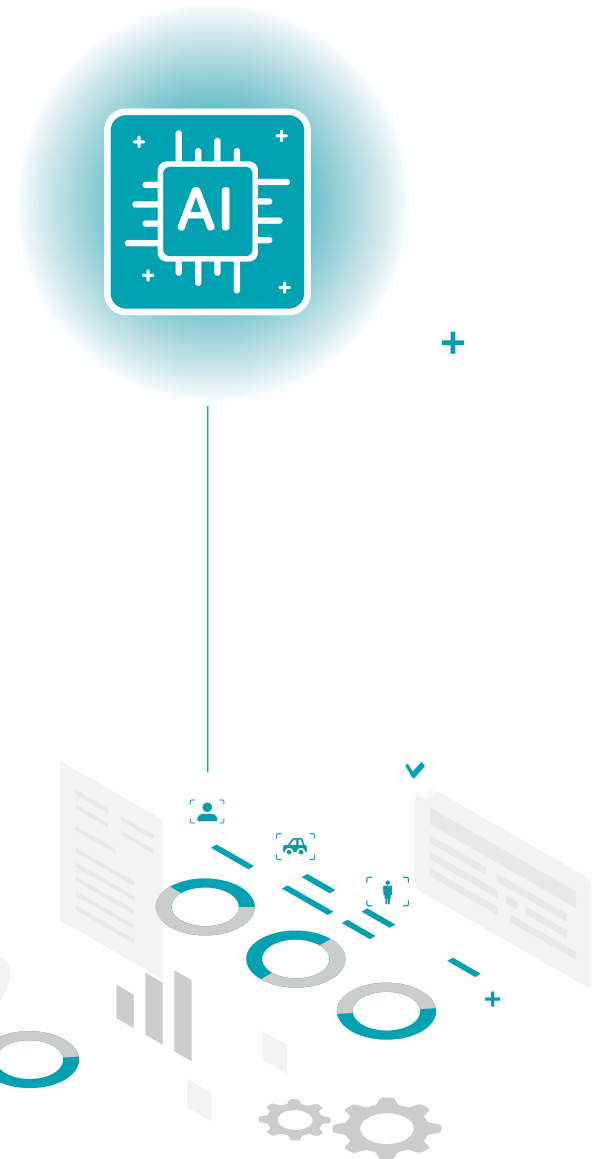
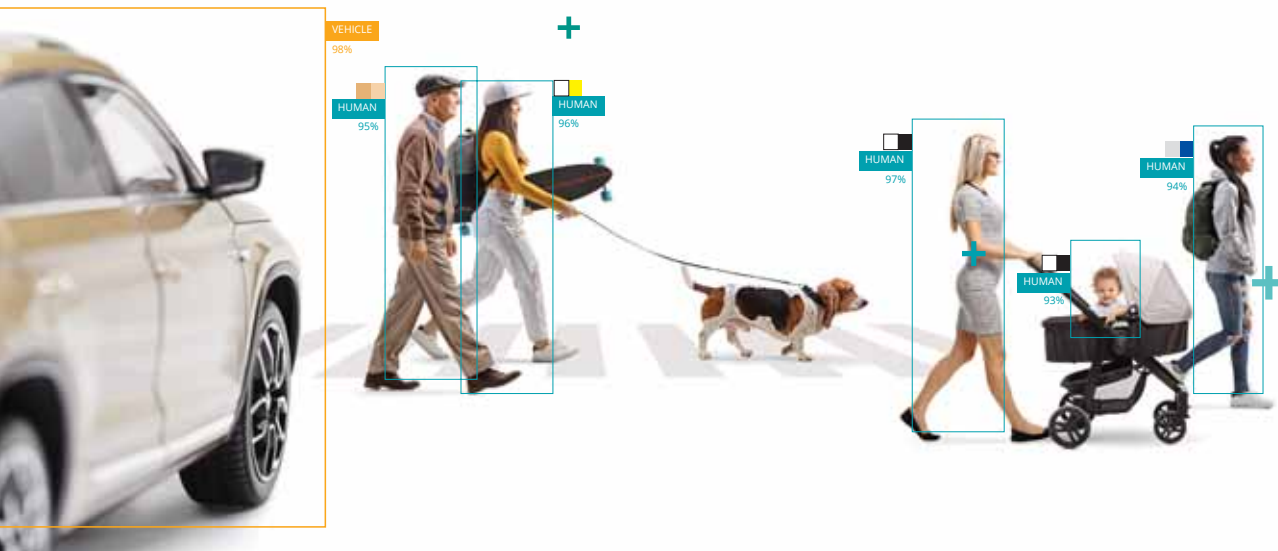
Made in **KOREA**

NDAA
Compliant

Now Powered by **IDIS** Deep Learning Engine 4.0

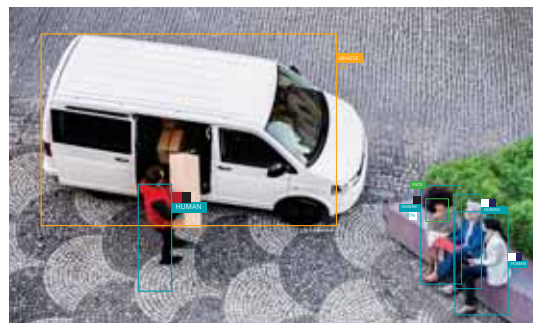
Developed in-house for optimised performance,
efficiency and false alarm reduction

The IDIS Deep Learning Engine is capable of autonomous thinking and decision-making, continuously evolves through learning, creating various artificial intelligence solutions. IDIS has perfected its security-focused artificial intelligence by concentrating over two decades of expertise in video surveillance.



Performance

The IDIS Deep Learning Engine 4.0, developed in-house, boasts an efficient architecture that enables monitoring of up to 128 objects with minimal hardware requirements. Additionally, it has been optimized for security surveillance during development stages, supporting simultaneous CCTV video monitoring with a maximum of 64 video channels. These features make it suitable for a variety of applications, allowing for efficient surveillance monitoring.



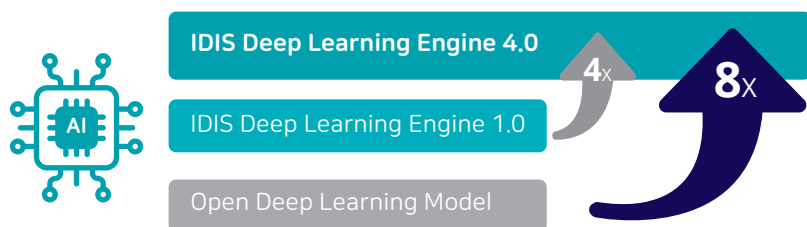
Simultaneous Detection of
Multiple Objects



Simultaneous Analysis
of up to 64 Channels

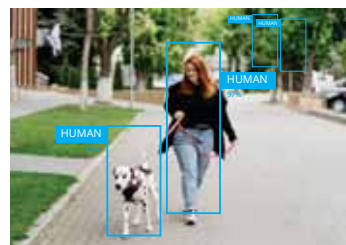
Speed

IDIS Deep Learning Engine 4.0 incorporates new parallel processing algorithms, enabling video analysis at remarkable speeds, up to four times faster than IDIS Deep Learning Engine 1.0 and up to eight times faster than open deep learning models. IDIS Deep Learning Engine continues to push the boundaries of efficiency and is constantly evolving, even at this moment.



Accuracy

Simply having more data does not guarantee more accurate analysis; what matters is the quality of the learning process. IDLE 4.0, trained on 2.5 million environment-optimised CCTV data sets and refined by deep learning experts, achieves surprisingly accurate analysis even in extreme conditions.



Third-Party Open Deep Learning

VS



IDIS Deep Learning Engine

**False Alarm
Reduction**



IDIS Cyber Security

Ensuring information system security
and data confidentiality



DirectIP[®] 2.0

Network security through a powerful mutual authentication system

DirectIP[®] is a proprietary mutual authentication system supported by all IDIS IP products. When IDIS IP cameras are connected to an IDIS NVR, both devices mutually authenticate each other automatically through DirectIP[®]. When a DirectIP v2.0 Network camera is paired with a DirectIP v2.0 recorder, they exchange and store certificates, which are subsequently used in authentication processes during communication sessions.

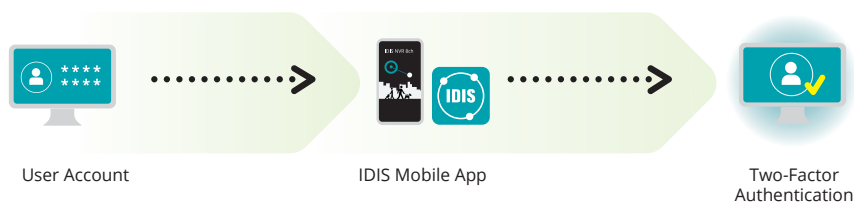
Firewalls On NVRs

IDIS NVR products have their own firewalls installed that uses IP, MAC address, port and ICMP authentication. The firewalls on IDIS NVR products are designed and configured to prevent unauthorized access.



Two-Factor Authentication

The user must be certified by the IDIS Mobile App in addition to going through the usual login process by typing in a user ID and password. All IDIS NVRs safely protect user accounts utilizing Two-Factor Authentication.



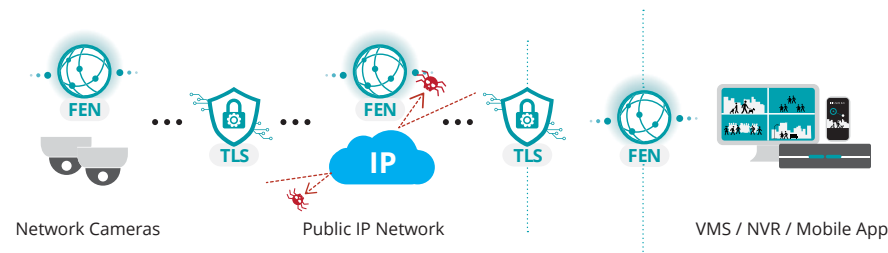
Transport Layer Security (TLS)

Transport Layer Security (TLS) is a cryptographic protocol ensuring communication security and data integrity over networks, preventing malicious activities like data snooping, alteration, or destruction during transmission.



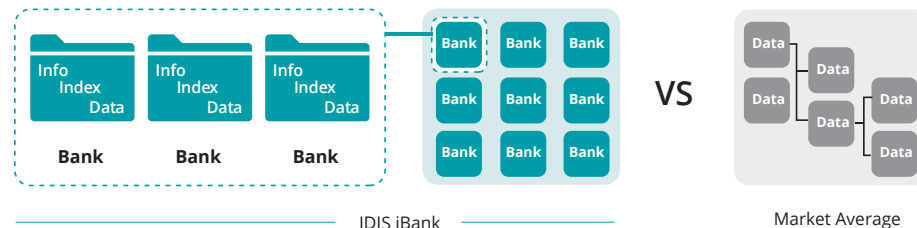
FEN Security

FEN is access and data transmission security system independently developed by IDIS using P2P technology. FEN is an automatic network access system. Expert knowledge of routers or NAT devices isn't needed to set up the system.



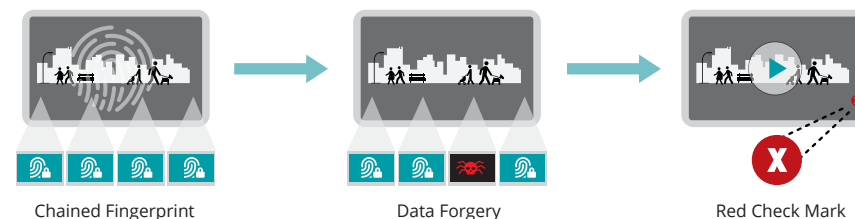
iBank

iBANK is IDIS own multimedia file system and database architecture for robust and effective data recording and searching even though multimedia data are overwritten or deleted frequently. Optimised to record and search the multimedia data.



Chained Fingerprint

Chained Fingerprint extracts unique video features as "Digital Fingerprint" and embeds them into subsequent frames, forming a chain-like blockchain. This technology ensures data integrity, making it suitable for court evidence.



IDIS Intelligent Codec

Delivers up to 90% savings on storage and bandwidth, providing faster, better searching of clearer images



Lower your Cost of Ownership

IDIS Intelligent Codec revolutionizes surveillance with faster, smoother searching and clearer images while offering up to 90% savings on storage and bandwidth. IDIS Intelligent Codec delivers up to 30~50% bit rate reduction on top of H.265, achieving a total up to 65~75% reduction for users. Leveraging IDIS motion adaptive transmission (MAT) technology further reduces bit rates during idle surveillance, leading to up to 90% savings compared to H.264, depending on scene complexity and movement.

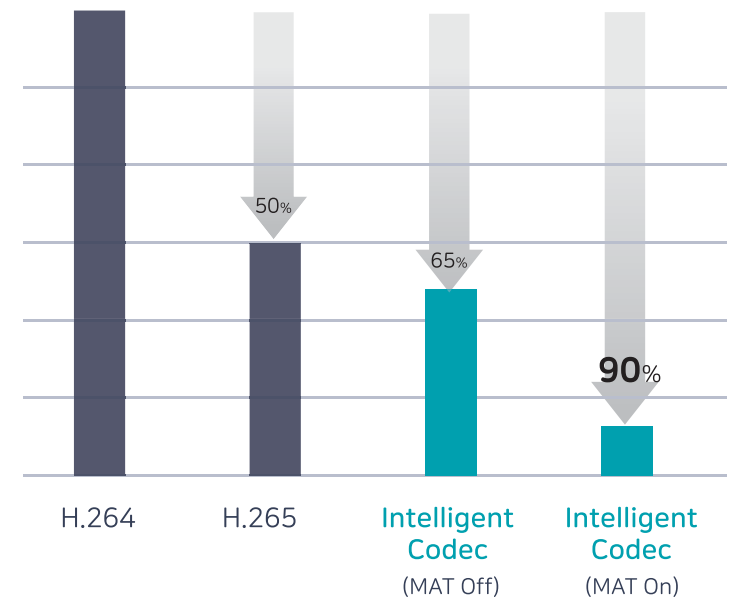


High Quality

with Identical image size to H.264

1/2 Bit Rate

with Identical image quality to H.264



IDIS Critical Failover

Strengthen fault tolerance with multi-layered protection



Temporary Failover

In Case of an Unstable Network

When the camera's network status is unstable, it starts to save to an internal recording session buffer (NLTSSec, up to 60MB). Therefore there is no disruption to the data stream or loss of data.



Smart Failover

In Case of Network Failure

When the NVR and IP camera are disconnected, the camera's SD card instantly begins recording and automatically transfers the data to the NVR after recovery, leaving no incident unrecorded.



Uninterrupted Minimum 24-Hour Data Retention during Network Failure

SD card will record using the configured recording settings until the card is 50% full, then it will adjust the recording settings to provide as much backup as possible. * SD Card is not included.



Storage Redundancy

In Case of Storage Failure

With native RAID 1 support, the NVR saves two identical copies of the data. So if one disk fails, the data is retrieved from the second one.



NVR Failover

In Case of Hardware failure of the NVR

Primary and standby NVRs are monitored constantly. If a primary fails, the standby takes over, minimizing data loss and ensuring swift failover.



Native Dual Power Supply

In Case of Power Supply Failure

When a failed power supply unit (PSU) is replaced, the spare PSU reverts back to redundant operation.

IDIS Smart UX Controls

An innovative user-centric, intuitive interface that revolutionizes PTZ control



Groundbreaking Agility, Ease, and Accuracy

To combat the challenges of IP PTZ controls, IDIS has developed the game changing Smart UX Controls software to provide unparalleled accuracy and ease of use featuring intuitive “Slingshot” and “Rubberband” style controls, creating an experience unlike any other available on the market.



Slingshot and Rubberband

These smooth and seamless controls allow users to easily follow moving objects in real-time with ground breaking accuracy by panning images at different speeds and in different directions literally without lifting a finger.





Quick Dewarping

Direct access to fisheye camera dewarping.



Ctrl + Left Click & Hold



Quick Zoom

Direct access to digital zoom

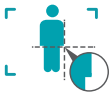


Ctrl + Scroll Up & Down



Quick PTZ

Direct access to IDIS camera Rubberband and Slingshot.



Slingshot

Aim and click any part of the image to quickly view a specific object, person, or area.



Ctrl + Shift + Left Click & Hold



Rubberband

Simply draw a Rubberband anywhere for easy and smooth PTZ control.

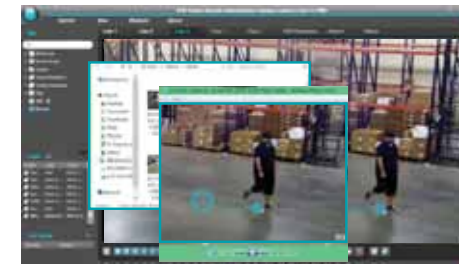


Ctrl + Left Click & Hold



Quick Save

Save the current images in a structured format.



Ctrl + S



Quick Find

Instantly go to the recorded video.



Drag & Drop







A Next-Gen Video Surveillance Solution Based On An IP Framework

DirectIP® is an advanced video solution that seamlessly connects IP cameras, NVRs, and network devices to deliver rich functionality, while eliminating complex configuration.

NETWORK VIDEO RECORDERS

Make Your Surveillance
Future Proof

Providing quality products and individualized
services at competitive rates and more PoE Capacity.



DR-8000 SERIES

Model Name	DirectIP 8500 Series H.265 4K Recorder	
	DR-8564	DR-8564D
		
VIDEO		
Video Inputs	64 IP Channels	64 IP Channels
Max. Incoming Throughput	540 Mbps	540 Mbps
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF	DirectIP, AXIS, PANASONIC, ONVIF
Video Outputs	2 HDMI	2 HDMI
Display Resolution	HDMI: 3840x2160, 1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200	HDMI: 3840x2160, 1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 1080ips	Up to 1080ips
RECORDING		
Max. Throughput	400 Mbps, 1920 ips@UHD	400 Mbps, 1920 ips@UHD
Recording Resolution	Up to 12MP (Depending on IP Camera)	Up to 12MP (Depending on IP Camera)
Video Compression	H.265, H.264	H.265, H.264
Intelligent Codec	Supported	Supported
Recording Mode	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic
Trigger Event	IDLA(Object Detection, Intrusion, Loitering, Line Crossing, Face Detection), BI(Exceed Occupancy Limit, Social Distancing, Mask Rule Violation, Queue Congestion), Motion, Trip-zone, Tampering, Video Loss, Audio Detection, Alarm In, Network Alarm, Text-in, System, Etc.	
PLAYBACK		
Performance	64 ch Synchronous Playback	64 ch Synchronous Playback
Search Mode	Time-lapse, Event Log, Text-in, Thumbnail, Metadata(via IDIS Center, IDIS Solution Suite)	Time-lapse, Event Log, Text-in, Thumbnail, Metadata(via IDIS Center, IDIS Solution Suite)
STORAGE		
HDD	SATA x8, RAID 1, 5, 10 Supported	SATA x8, RAID 1, 5, 10 Supported
NETWORK		
Client Connection	Gigabit Ethernet (Client) x 1	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (Video In) x 3, SFP (Video In) x 2	Gigabit Ethernet (Video In) x 3, SFP (Video In) x 2
Transmission Speed	50 Mbps / 100 Mbps (BRP Mode)	50 Mbps / 100 Mbps (BRP Mode)
PSE Power	-	-
Two-way Audio	Yes	Yes
INTERFACE		
Audio In / Out	Local (NVR): 1 RCA / 1 RCA + 2 HDMI IP Camera: 64 / 64 (Depending on IP Camera)	Local (NVR): 1 RCA / 1 RCA + 2 HDMI IP Camera: 64 / 64 (Depending on IP Camera)
Alarm In / Out	Local(NVR): 4 / 1 IP Camera: 64 / 64 (Depending on IP Camera)	Local(NVR): 4 / 1 IP Camera: 64 / 64 (Depending on IP Camera)
Alarm Reset In	1	1
Serial Interface	RS 232 (Terminal Block), RS 485 (Terminal Block)	RS 232 (Terminal Block), RS 485 (Terminal Block)
USB	USB 2.0 x 2, USB 3.0 x 1	USB 2.0 x 2, USB 3.0 x 1
GENERAL		
Operating System	Embedded Linux	Embedded Linux
Dimensions (W x H x D)	482.6mm x 88mm x 529.5mm (19" x 3.5" x 20.8")	482.6mm x 88mm x 529.5mm (19" x 3.5" x 20.8")
Unit Weight	11.16 kg (24.60 lb) (with 2 HDDs)	12.24 kg (26.98 lb) (with 2 HDDs)
Power Input	100-240V~, 50/60Hz, 6.0 - 3.0A	100-240V~, 50/60Hz, 8.0 - 4.0A
Power Consumption	100-240V~, 50/60Hz, 6.0 - 3.0A, 145W	100-240V~, 50/60Hz, 8.0 - 4.0A, 145W x2
Approvals	FCC, UL, CE, CB, KC, PSE	FCC, UL, CE, CB, KC, PSE

* Maximum HDD capacity will be updated as new HDD models become available.

For the most recent information, please check http://designtool.idisglobal.com/design_tool/product_compatibility.php

* Establish NVR Failover system with standby DR-8364F(D)

DR-8000 SERIES

Model Name	DirectIP 8500 Series H.265 4K Recorder		
	DR-8532	DR-8532D	DR-8516
	 	 	 
VIDEO			
Video Inputs	32 IP Channels	32 IP Channels	16 IP Channels
Max. Incoming Throughput	370 Mbps	370 Mbps	320 Mbps
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF	DirectIP, AXIS, PANASONIC, ONVIF	DirectIP, AXIS, PANASONIC, ONVIF
Video Outputs	2 HDMI	2 HDMI	2 HDMI
Display Resolution	HDMI: 3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200	HDMI: 3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200	HDMI: 3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 960 ips	Up to 960 ips	Up to 480 ips
RECORDING			
Max. Throughput	230 Mbps, 960 ips@UHD	230 Mbps, 960 ips@UHD	180 Mbps, 480 ips@UHD
Recording Resolution	Up to 12MP (Depending on IP Camera)	Up to 12MP (Depending on IP Camera)	Up to 12MP (Depending on IP Camera)
Video Compression	H.265, H.264	H.265, H.264	H.265, H.264
Intelligent Codec	Supported	Supported	Supported
Recording Mode	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic
Trigger Event	IDLA(Object Detection, Intrusion, Loitering, Line Crossing, Face Detection), BI(Exceed Occupancy Limit, Social Distancing, Mask Rule Violation, Queue Congestion), Motion, Trip-zone, Tampering, Video Loss, Audio Detection, Alarm In, Network Alarm, Text-in, System, Etc.		
PLAYBACK			
Performance	32 ch Synchronous Playback	32 ch Synchronous Playback	16 ch Synchronous Playback
Search Mode	Time-lapse, Event Log, Text-in, Thumbnail, Metadata(via IDIS Center, IDIS Solution Suite)		
STORAGE			
HDD	SATA x 8, eSATA x 4, RAID 1, 5, 6, 10 Supported	SATA x 8, eSATA x 4, RAID 1, 5, 6, 10 Supported	SATA x 8, eSATA x 4, RAID 1, 5, 6, 10 Supported
NETWORK			
Client Connection	Gigabit Ethernet (Client) x 1	Gigabit Ethernet (Client) x 1	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet(Video In) x 3, SFP(Video In) x 2	Gigabit Ethernet(Video In) x 3, SFP(Video In) x 2	Gigabit Ethernet(Video In) x 3, SFP(Video In) x 2
Transmission Speed	50 Mbps / 100 Mbps (BRP Mode)	50 Mbps / 100 Mbps (BRP Mode)	50Mbps / 100Mbps (BRP Mode)
PSE Power	-	-	-
Two-way Audio	Yes	Yes	Yes
INTERFACE			
Audio In / Out	Local (NVR): 1 RCA / 1RCA + 2HDMI IP Camera: 32 / 32 (Depending on IP Camera)	Local (NVR): 1 RCA / 1RCA + 2HDMI IP Camera: 32 / 32 (Depending on IP Camera)	Local (NVR): 1 RCA / 1RCA + 2HDMI IP Camera: 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local(NVR): 16 / 4 IP Camera: 32 / 32 (Depending on IP Camera)	Local(NVR): 16 / 4 IP Camera: 32 / 32 (Depending on IP Camera)	Local(NVR): 16 / 4 IP Camera: 16 / 16 (Depending on IP Camera)
Alarm Reset In	Yes	Yes	Yes
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)	RS232 (Terminal Block), RS485 (Terminal Block)	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2, USB 3.0 x 1	USB 2.0 x 2, USB 3.0 x 1	USB 2.0 x 2, USB 3.0 x 1
GENERAL			
Operating System	Embedded Linux	Embedded Linux	Embedded Linux
Dimensions (W x H x D)	482.6mm x 88mm x 529.5mm (19" x 3.5" x 20.8")	482.6mm x 88mm x 529.5mm (19" x 3.5" x 20.8")	482.6mm x 88mm x 529.5mm (19" x 3.5" x 20.8")
Unit Weight	11.25 kg (24.8 lb) (with 2 HDDs)	12.63 kg (27.84 lb) (with 2 HDDs)	11.3kg (24.8lb) (with 2 HDDs)
Power Input	AC 100-240 V, 50/60Hz, 6.0 - 3.0 A	AC 100-240 V, 50/60 Hz, 8.0 - 4.0 A	100-240V~, 50/60Hz, 6.0 - 3.0 A
Power Consumption	100 - 240 V~, 50 / 60 Hz, 6.0-3.0 A, 130 W	100-240 V~, 50/60 Hz, 8.0-4.0 A, 100 W x 2	100-240 V~, 50/60 Hz, 6.0-3.0 A, 130 W
Approvals	FCC, UL, CE, CB, KC, PSE	FCC, UL, CE, CB, KC, PSE	FCC, UL, CE, CB, KC, PSE

* Maximum HDD capacity will be updated as new HDD models become available.

For the most recent information, please check http://designtool.idisglobal.com/design_tool/product_compatibility.php

IDIS and NDAA Compliant

The National Defense Authorization Act

NDAA Summary

The John S. McCain National Defense Authorization Act (NDAA) for Fiscal Year 2019 was signed into law on August 13, 2018 and effective from August 2020. The law, specifically Section 889, prohibits federal agencies, their contractors and grant or loan recipients from procuring or using “telecommunications and video surveillance equipment or services” from specific Chinese companies as a “substantial or essential component of any system, or as critical technology as part of any system.” The NDAA ban includes telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation, as well as video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company.

IDIS Equipment

IDIS provides NDAA compliant products, which includes solutions marketed to the US federal government, Department of Defense (DoD), and associated contractors. The following IDIS cameras and network video recorders (NVRs) do not use or deploy critical components or System-on-a-Chip (SOC) circuits produced by NDAA banned component vendors, making them compliant with the NDAA.



DR-6000 SERIES

Model Name	DirectIP 6500 Series H.265 4K Recorder		
	DR-6532P-A	DR-6516P-A	DR-6508P
	 	 	 
VIDEO			
Video Inputs	32 IP Channels	16 IP Channels	8 IP Channels
Max. Incoming Throughput	370 Mbps	320Mbps	270 Mbps
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF	DirectIP, AXIS, PANASONIC, ONVIF	DirectIP, AXIS, PANASONIC, ONVIF
Video Outputs	2 HDMI	2 HDMI	2 HDMI
Display Resolution	HDMI: 3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200	HDMI: 3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200	HDMI: 3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 960ips	Up to 480ips	Up to 240ips
RECORDING			
Max. Throughput	230 Mbps, 960 ips @ UHD	180Mbps, 480ips@UHD	140Mbps, 240ips @ UHD
Recording Resolution	Up to 12 MP (Depending on IP Camera)	Up to 12 MP (Depending on IP Camera)	Up to 12 MP (Depending on IP Camera)
Video Compression	H.265, H.264	H.265, H.264	H.265, H.264
Intelligent Codec	Supported	Supported	Supported
Recording Mode	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic
Trigger Event	IDLA (Object Detection, Intrusion, Loitering, Line Crossing, Face Detection), BI(Exceed Occupancy Limit, Social Distancing, Mask Rule Violation, Queue Congestion), Motion, Trip-zone, Tampering, Video Loss, Audio Detection, Alarm In, Network Alarm, Text-in, System, Etc.		
PLAYBACK			
Performance	32ch Synchronous Playback	16ch Synchronous Playback	8 ch Synchronous Playback
Search Mode	Time-lapse, Event Log, Text-in, Thumbnail, Metadata (via IDIS Center, IDIS Solution Suite)	Time-lapse, Event Log, Text-in, Thumbnail, Metadata (via IDIS Center, IDIS Solution Suite)	Time-lapse, Event Log, Text-in, Thumbnail, Metadata (via IDIS Center, IDIS Solution Suite)
STORAGE			
HDD	SATA x 6, eSATA x 4, RAID 1 Supported	SATA x 6, eSATA x 4, RAID 1 Supported	SATA x 6, eSATA x 4, RAID 1 Supported
NETWORK			
Client Connection	Gigabit Ethernet (Client) x 1	Gigabit Ethernet (Client) x 1	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1	Gigabit Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1	Gigabit Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)	50Mbps / 100Mbps (BRP Mode)	50Mbps / 100Mbps (BRP Mode)
PSE Power	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 200W	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 200W	PoE(IEEE 802.3at Class 4) Supported 8 Ports, 120 W
INTERFACE			
Audio In / Out	Local (NVR): 1 RCA / 1RCA + 2 HDMI IP Camera: 32 / 32 (Depending on IP Camera)	Local (NVR): 1 RCA / 1RCA + 2HDMI IP Camera :16 / 16 (Depending on IP Camera)	Local (NVR): 1 RCA / 1 RCA + 2 HDMI IP Camera: 8 / 8 (Depending on IP Camera)
Alarm In / Out	Local (NVR): 4 / 1 IP Camera: 32 / 32 (Depending on IP Camera)	Local(NVR): 4 / 1 IP Camera: 16 / 16 (Depending on IP Camera)	Local (NVR): 4 / 1 IP Camera: 8 / 8 (Depending on IP Camera)
Alarm Reset In	Yes	Yes	Yes
Serial Interface	RS 232 (Terminal Block), RS 485 (Terminal Block)	RS 232 (Terminal Block), RS 485 (Terminal Block)	RS 232 (Terminal Block), RS 485 (Terminal Block)
USB	USB 2.0 x 2, USB 3.0 x 1	USB 2.0 x 2, USB 3.0 x 1	USB 2.0 x 2, USB 3.0 x 1
GENERAL			
Operating System	Embedded Linux	Embedded Linux	Embedded Linux
Dimensions (W x H x D)	430mm x 88mm x 420mm (16.9" x 3.5" x 16.5")	430 mm x 88 mm x 412.8 mm (16.9" x 3.5" x 16.25")	430mm x 88mm x 420mm (16.9" x 3.5" x 16.5")
Unit Weight	6.75 kg (14.88 lb) (with 1HDD)	6.75 kg (14.88 lb) (with 1HDD)	6.75 kg (14.88 lb) (with 1HDD)
Power Input	100-240V~, 50/60Hz, 4.0-2.0A	100-240V~, 50/60Hz, 4.0-2.0A	AC 100-240 V, 50/60 Hz, 3.0 - 1.5 A
Power Consumption	100-240V~, 50/60Hz, 4.0-2.0A, 360W	100-240V~, 50/60Hz, 4.0-2.0A, 360W	100-240 V~, 50/60 Hz, 3.0-1.5 A, 250 W
Approvals	FCC, UL, CE, CB	FCC, UL, CE, CB	FCC, UL, CE, CB

* Maximum HDD capacity will be updated as new HDD models become available.
For the most recent information, please check http://designtool.idisglobal.com/design_tool/product_compatibility.php

DR-2000 SERIES

Model Name	DirectIP 2500 Series H.265 4K Recorder			
	DR-2516P-A	DR-2508P-A	DR-2504P-B	DR-2504P-C
	 	 	 	 
VIDEO				
Video Inputs	16 IP Channels	8 IP Channels	4 IP channels	4 IP channels
Max. Incoming Throughput	320 Mbps	270 Mbps	160Mbps	160Mbps
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF	DirectIP, AXIS, PANASONIC, ONVIF	DirectIP, AXIS, PANASONIC, ONVIF	DirectIP, AXIS, PANASONIC, ONVIF
Video Outputs	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Display Resolution	HDMI: 3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200 / VGA: 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200			
Display Speed	Up to 480 ips	Up to 240ips	Up to 120ips	Up to 120ips
RECORDING				
Max. Throughput	180 Mbps, 480 ips@UHD	140 Mbps, 240 ips @ UHD	70Mbps, 120ips@UHD	70Mbps, 120ips@UHD
Recording Resolution	Up to 12 MP (Depending on IP Camera)	Up to 12 MP (Depending on IP Camera)	Up to 12 MP (Depending on IP Camera)	Up to 12 MP (Depending on IP Camera)
Compression	H.265, H.264	H.265, H.264	H.265, H.264	H.265, H.264
Recording Mode	Time-Lapse, Event, Pre-Event, Panic	Time-Lapse, Event, Pre-Event, Panic	Time-Lapse, Event, Pre-Event, Panic	Time-Lapse, Event, Pre-Event, Panic
Trigger Event	IDLA(Object Detection, Intrusion, Loitering, Line Crossing, Face Detection), BI(Exceed Occupancy Limit, Social Distancing, Mask Rule Violation, Queue Congestion), Motion, Trip-zone, Tampering, Video Loss, Audio Detection, Alarm In, Network Alarm, Text-in, System, Etc.			
PLAYBACK				
Performance	16ch Synchronous Playback 8ch 4K Playback	8ch Synchronous Playback 8ch 4K Playback	4ch Synchronous Playback 4ch 4K Playback	4ch Synchronous Playback 4ch 4K Playback
Search Mode	Time-lapse, Event Log, Text-in, Thumbnail, Metadata(via IDIS Center, IDIS Solution Suite)	Time-lapse, Event Log, Text-in, Thumbnail, Metadata(via IDIS Center, IDIS Solution Suite)	Time-lapse, Event Log, Text-in, Thumbnail, Metadata(via IDIS Center, IDIS Solution Suite)	Time-lapse, Event Log, Text-in, Thumbnail, Metadata(via IDIS Center, IDIS Solution Suite)
STORAGE				
HDD	SATA x 2, eSATA x1	SATA x 2, eSATA x 1	SATA x 2, eSATA x1	SATA x 2, eSATA x 1, RAID 1 Supported
NETWORK				
Client Connection	Gigabit Ethernet (Client) x 1	Gigabit Ethernet (Client) x 1	Gigabit Ethernet (Client) x 1	Gigabit Ethernet (Client) x 1
Video In Connection	Fast Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1	Fast Ethernet(IP Camera) x8 + Gigabit Ethernet (Ext) x1	Fast Ethernet(IP Camera) x4	Fast Ethernet(IP Camera) x4
Transmission Speed	50 Mbps / 100 Mbps (BRP Mode)	50Mbps / 100Mbps (BRP Mode)	50Mbps / 100Mbps(BRP Mode)	50Mbps / 100Mbps(BRP Mode)
PSE Power	PoE(IEEE 802.3at class 4) supported 8 ports, 100W	PoE(IEEE 802.3at class 4) supported 8 ports, 100W	PoE(IEEE 802.3at class 4) supported 4 ports, 50W	PoE(IEEE 802.3at class 4) supported 4 ports, 50W
INTERFACE				
Audio In / Out	Local (NVR): - / 1RCA + 1HDMI IP Camera: 16 / 16 (Depending on IP Camera)	Local(NVR): - / 1RCA + 1HDMI IP Camera: 8 / 8 (Depending on IP Camera)	Local(NVR): - / 1RCA + 1HDMI IP Camera: 4 / 4 (Depending on IP Camera)	Local(NVR): - / 1RCA + 1HDMI IP Camera: 4 / 4 (Depending on IP Camera)
Alarm In / Out	Local (NVR): 4 / 1 IP Camera: 16 / 16 (Depending on IP Camera)	Local(NVR): 4 / 1 IP Camera: 8 / 8 (Depending on IP Camera)	Local(NVR): 4 / 1 IP Camera: 4 / 4 (Depending on IP Camera)	Local(NVR): 4 / 1 IP Camera: 4 / 4 (Depending on IP Camera)
Alarm Reset In	-	-	-	-
Serial Interface	RS 232 (Terminal Block)	RS 232 (Terminal Block)	RS 232 (Terminal Block)	RS 232 (Terminal Block)
USB	USB 2.0 x 1, USB 3.0 x 1	USB 2.0 x 1, USB 3.0 x 1	USB 2.0 x 1, USB 3.0 x 1	USB 2.0 x 1, USB 3.0 x 1
GENERAL				
Operating System	Embedded Linux	Embedded Linux	Embedded Linux	Embedded Linux
Dimensions (W x H x D)	300 mm x 62 mm x 231 mm (11.8" x 2.4" x 9.1")	300 mm x 62 mm x 231 mm (11.8" x 2.4" x 9.1")	300 mm x 62 mm x 231 mm (11.8" x 2.4" x 9.1")	300 mm x 62 mm x 231 mm (11.8" x 2.4" x 9.1")
Unit Weight	2.3 kg (5.1 lb) (with 1 HDD)	2.3kg (5.1lb) (with 1 HDD)	2.2kg (4.9lb) (with 1 HDD)	2.2kg (4.9lb) (with 1 HDD)
Power Input	NVR Adaptor (Input: 100-240V AC, 50/60Hz, 1.5A, Output: 12V DC, 5A) PSE Adaptor (Input: 100-240V AC, 50/60Hz, 2.5A, Output: 54V DC, 2.33A)	NVR Adaptor (Input: 100-240V AC, 50/60Hz, 1.5A, Output: 12V DC, 5A) PSE Adaptor (Input: 100-240V AC, 50/60Hz, 2.5A, Output: 54V DC, 2.33A)	NVR Adaptor (Input: 100-240V AC, 50/60Hz, 1.5A, Output: 12V DC, 5A) PSE Adaptor (Input: 100-240V AC, 50/60Hz, 1.2A, Output: 48V DC, 1.35A)	NVR Adaptor (Input: 100-240V AC, 50/60Hz, 1.5A, Output: 12V DC, 5A) PSE Adaptor (Input: 100-240V AC, 50/60Hz, 1.2A, Output: 48V DC, 1.35A)
Power Consumption	NVR: 12V=, 2.2A, 26.4W PSE: 54V=, 1.85A, 100W MAX	NVR: 12V=, 2.2A, 26.4W PSE: 54V=, 1.85A, 100W MAX	NVR: 12V=, 2.2A, 26.4W PSE: 48V=, 1.04A, 50W MAX	NVR: 12V=, 2.2A, 26.4W PSE: 48V=, 1.04A, 50W MAX
Approvals	FCC, CE, KC	FCC, CE, KC	FCC, CE, KC	FCC, CE, KC

* Maximum HDD capacity will be updated as new HDD models become available.
For the most recent information, please check http://designtool.idisglobal.com/design_tool/product_compatibility.php

IDIS COMPACT SOLUTION & SPECIALTY

Quality Compact Solution Packed with Essential
and Easy-To-Use Features



DR-1000 SERIES

Model Name	DirectIP 1500 Series Full HD Recorder	
	DR-1508P-A	DR-1504P-A
	 NDA Compliant	 NDA Compliant
VIDEO		
Video Inputs	8 IP Channels	4 IP Channels
Max. Incoming Throughput	100Mbps	60Mbps
Supported Camera	DirectIP	DirectIP
Video Outputs	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Display Resolution	1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200	1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 240ips	Up to 120ips
RECORDING		
Max. Throughput	40 Mbps, 240 ips@8MP	20Mbps, 120ips@8MP
Recording Resolution	Up to 8MP (Depending on IP Camera)	Up to 8MP (Depending on IP Camera)
Video Compression	H.265, H.264	H.265, H.264
Intelligent Codec	Supported	Supported
Recording Mode	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic
Trigger Event	Motion, Trip-zone, Tampering, Video Loss, System, Etc.	Motion, Trip-zone, Tampering, Video Loss, System, Etc.
PLAYBACK		
Performance	4 ch Full HD Synchronous Playback	4 ch Full HD Synchronous Playback
Search Mode	Time-lapse, Event Log	Time-lapse, Event Log
STORAGE		
HDD	SATA x1	SATA x1
NETWORK		
Client Connection	Fast Ethernet (Client) x 1	Fast Ethernet (Client) x 1
Video In Connection	Fast Ethernet (IP Camera) x8	Fast Ethernet (IP Camera) x4
Transmission Speed	20 Mbps	20 Mbps
PSE Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 70W	PoE (IEEE 802.3at Class 4) Supported 4 Ports, 35W
Two-way Audio	-	-
INTERFACE		
Audio In / Out	-	-
Alarm In / Out	-	-
Alarm Reset In	-	-
Serial Interface	-	-
USB	USB 2.0 x 2	USB 2.0 x 2
GENERAL		
Operating System	Embedded Linux	Embedded Linux
Dimensions (W x H x D)	205mm x 44.5mm x 216.4mm (8.07" x 1.75" x 8.52")	205mm x 44.5mm x 216.4mm (8.07" x 1.75" x 8.52")
Unit Weight	1.2kg (2.65 lb) (with 1 HDD)	1.2kg (2.65 lb) (with 1 HDD)
Power Input	NVR Adaptor (Input: 100-240V~, 50/60Hz, 2.5A, Output: 54V , 1.86A) - In countries using 200~240V such as UK NVR Adaptor (Input: 100-240V~, 50/60Hz, 2.5A, Output: 54V , 2.33A) - In countries using 100~127V such as US	NVR Adaptor (Input: 100-240V~, 50/60Hz, 1.5A, Output: 48V , 1.35A)
Power Consumption	54V=, 1.65A, 89W MAX	NVR: 48V , 1A, Max. 48W
Approvals	KC, CE, FCC	KC, CE, FCC

* Maximum HDD capacity will be updated as new HDD models become available.
For the most recent information, please check http://designtool.idisglobal.com/design_tool/product_compatibility.php

ENTERPRISE NETWORK VIDEO RECORDERS

IR-310D

NDAA
Compliant

IDIS SOLUTION
SUITE®

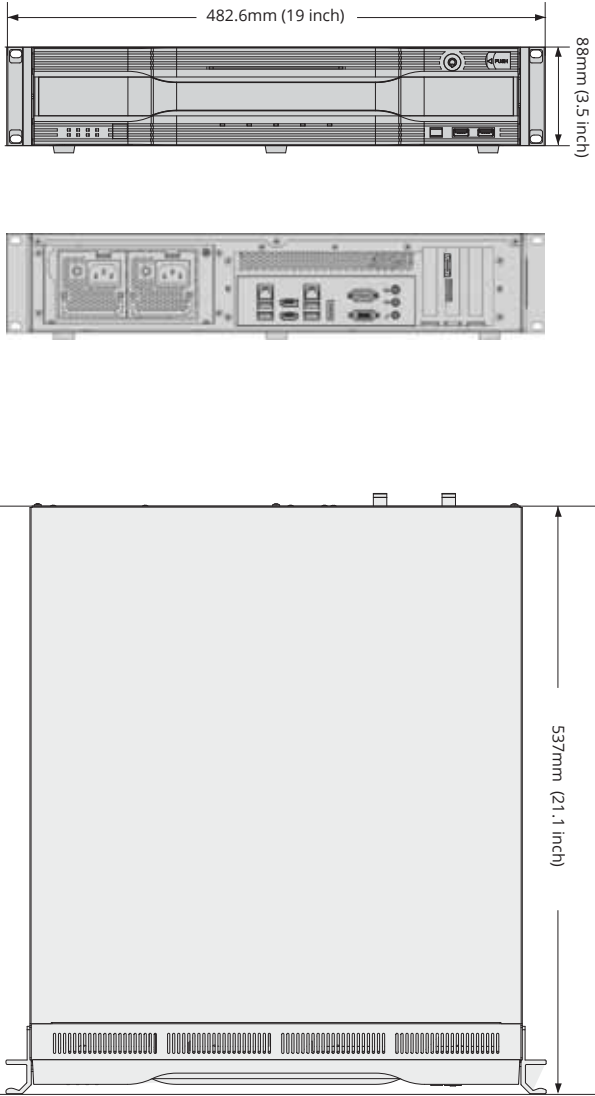
IDIS Ready to Install VMS Workstation
NDAA-Compliant



The IDIS Enterprise NVR, IR-310D, allows users to establish a reliable, high performance surveillance system in minutes while providing exceptional manageability. The IR-310D operating system(OS), powered by SSD and IDIS Solution Suite VMS, is perfect for large-scale systems and ensures mission-critical data retention through RAID and redundant power. IR-310D is ideal for building a powerful and economical surveillance system to meet enterprise level needs.

- Ready to Install VMS with Workstation
- Tested and validated with IDIS Solution Suite up to 64 Full HD H.264/265 IP cameras
- Storage configuration: 8 SATA + 3 eSATA Ports
- Supports up to 64 Full HD cameras in real-time for enterprise-level surveillance systems
- 400Mbps maximum recording bandwidth per server
- Complete compatibility with IDIS components: IP cameras, Analogue DVR, DirectCX HD Analogue, DirectIP NVR, and encoders
- 2U rack mount chassis
- Supports H.264, H.265 compression, and Intelligent Codec
- Supports Onvif Profile S, Axis, Panasonic, etc.

DIMENSIONS



SPECIFICATIONS

	IR-310D
Model Name	 
VIDEO	
Video Inputs Inputs	64Ch Recommended
Video Outputs	2 HDMI 2.0
RECORDING	
Max. Throughput	Up to 400Mbps
STORAGE	
HDD	SATA x 8, eSATA x 3, RAID 1, 5, 10 Supported, Hot-swappable
SSD	240G SSD for Operating System (M.2 type)
NETWORK	
Network Connection	2 GbE RJ-45 Ports (1000Base-T)
INTERFACE	
USB	6 (2 Front USB 2.0 + 3 Back USB 3.0 Type-A + 1 Back USB 3.0 Type-C)
Serial Interface	-
GENERAL	
Supported Service	wIDIS Solution Suite Expert and Federation Service
Supported Version	Version 3.6.0 or Higher
Operating System	Microsoft® Windows 10 IoT Enterprise
Processor	Intel® i5-10500, 3.1GHz
Memory	DDR4 PC-25600, 16GB
ENVIRONMENTAL	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	0% ~ 90%
ELECTRICAL	
Power Input	100-240V~, 50/60 Hz, 8.0 - 4.0A (Redundant)
Power Consumption	120W x 2
Approval	FCC, CE, CB, UL, PSE, KC
MECHANICAL	
Unit Dimensions (W x H x D)	482.6mm x 88mm x 537mm (19" x 3.5" x 21.1")
Unit Weight	12.6kg (27.8lb)



VEHICLE



HUMAN
97%



HUMAN



HUMAN
97%



HUMAN
97%



HUMAN



HUMAN
97%

VEHICLE



IR-200 SERIES

Model Name	Preinstalled VMS NVR	
	NEW IR-208P	NEW IR-216P
	  	  
VIDEO		
Video Inputs	8ch Recommended	16ch Recommended
Video Outputs	1 x HDMI, 1 x DVI-I	1 x HDMI, 1 x DVI-I
RECORDING		
Max. Throughput	Up to 100Mbps	Up to 200Mbps
STORAGE		
HDD	1 x 3.5" SATA HDD	2 x 3.5" SATA HDD support RAID 0/1
SSD	1 x M.2 2242 Key B SATAIII	1 x M.2 2242 Key B SATAIII
NETWORK		
Client Connection	1 x 10/100/1000 Ethernet 1 x 2.5G Ethernet"	1 x 10/100/1000 Ethernet 1 x 2.5G Ethernet"
Video In Connection	8 x 10/100 PoE (120W max PSE)	16 x 10/100 PoE (240W max PSE)
PSE Power	802.3af/at compliance with total 120W max (PSE)	802.3af/at compliance with total 240W max (PSE)
Two-way Audio	Yes	Yes
INTERFACE		
Audio In / Out	1 x Line-in, 1 x Line-out, 1 x Mic-in	1 x Line-in, 1 x Line-out, 1 x Mic-in
Serial Interface	1 x RS485/232 (DB9 connector), 1 x UART port (RS-232/485 setting from BIOS)	1 x RS485/232 (DB9 connector), 1 x UART port (RS-232/485 setting from BIOS)
USB	2 x USB 2.0 ports (front), 4 x USB 3.1 ports (rear)	2 x USB 2.0 ports (front), 2 x USB 2.0 ports (rear), 2 x USB 3.1 ports (rear)
User Interface	Power on/off switch	Power on/off switch
GENERAL		
Supported Service	IDIS Solution Suite Expert and Federation Service	IDIS Solution Suite Expert and Federation Service
Supported Version	Version 3.6.0 or Higher	Version 3.6.0 or Higher
Operating System	Windows 10 IoT Enterprise (x64)	Windows 10 IoT Enterprise (x64)
Processor	Intel Elkhart Lake Celeron J6412, Quad Core, 2.0GHz base frequency, 2.6GHz burst frequency	Intel Elkhart Lake Atom J6426, Quad Core, 2.0GHz base frequency, 3.0GHz burst frequency
Memory	Dual channel DDR4 3200MHz SDRAM, max. 16GB	Dual channel DDR4 3200MHz SDRAM, max. 16GB
ENVIRONMENTAL		
Operating Temperature	Ambient with air flow: 0°C ~ 40°C	Ambient with air flow: 0°C ~ 40°C
Operating Humidity	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)
ELECTRICAL		
Power Input	Adapter 54V/3.34A	AC 100V~240V power supply
Power Consumption	180W	410W
Approval	CE, FCC, UL	CE, FCC, UL
MECHANICAL		
Dimensions (W x H x D)	360 x 49 x 224.5mm (14.1" x 1.9" x 8.8")	430 x 44.5 x 348mm (17" x 1.7" x 13.7")
Weight	2.3kg (5.07lb)	7.1kg (15.6lb)

ENTERPRISE NETWORK VIDEO RECORDERS

NEW

IR-1200

NDAA
Compliant

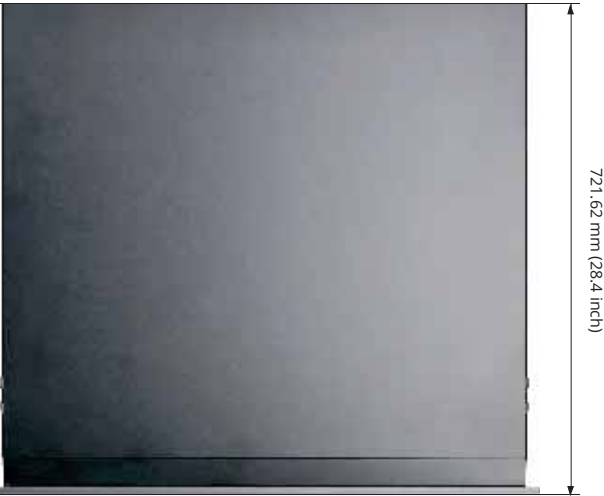
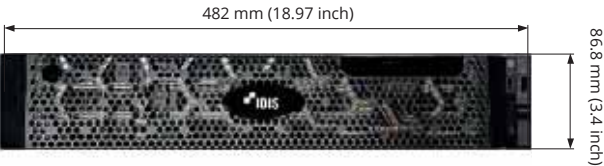
IDIS SOLUTION
SUITE®

IDIS Ready to Install VMS Workstation
NDAA-Compliant



- Pre-installed with IDIS Solution Suite VMS
- Tested and validated with IDIS Solution Suite up to 256 Full HD H.264/H.265 IP cameras
- Supports up to 256 Full HD cameras in real-time for enterprise-level surveillance systems
- 1,024Mbps (128MBps) maximum recording bandwidth per server
- Redundancy of power for mission-critical reliability
- Complete compatibility with IDIS components: IP cameras, Analogue DVR, DirectCX TVR, DirectIP NVR, and encoders
- Equipped with RAID 5, RAID 6 recording, Hot swappable
- Supports H.264, H.265 compression, and Intelligent Codec
- Supports Onvif Profile S, Axis, Panasonic, etc.

DIMENSIONS



SPECIFICATIONS

IR-1200		
GENERAL	Supported Service	IDIS Solution Suite Expert and Federation Service
	Supported Version	Version 2.6.0 or Higher
	Operating System	Microsoft® Embedded Windows Server 2022 IoT Std
	Network Connection	6 GbE RJ-45 Ports (1000Base-T)
	OS Storage	2 x M.2 480GB (RAID 1 configured)
	Recording Storage	8 Bay
	Hard Disk Drive Configuration	Up to 8 x Large Form Factor Near-line SATA Hard Disk Drives, Hot-swappable, RAID 5, RAID 6
	Processor	Intel® Xeon® Processor silver 4410Y 2G, 12C/24T
	Memory	16GB RAM (1 x 16GB DDR5-4800MT/s RDIMM)
	Video Out	2 VGA
	Approval	FCC Rating Class A, CISPR 22, EN55022, EN55024, FCC CFR 47, Pt 15, ICES-003, CnNS14336-1, CNS13438, GB4943, GB9254, EN 61000-3-2, EN61000-3-3, RoHS, Reach(SVHC), WEEE
RECORDING	Max. Throughput	Up to 1024Mbps (128MBps)
	Number of Cameras	Up to 256
MECHANICAL	Unit Dimensions (W x H x D)	482.0mm x 86.8mm x 721.62mm (18.97" x 3.41" x 28.4")
	Unit Weight	Max 28.6kg (63.0 lbs)
ELECTRICAL	Power Input	100-240 V AC, 50/60 Hz
	Power Supply	Redundant, Hot Swappable
	Power Capacity	800W
ENVIRONMENTAL	Operating Temperature	0° to 40°C (32°F to 104°F)
	Operating Humidity	5% ~ 85%
FOR MARKETING MATERIAL ONLY	Key Feature	- 12Gb SAS offering unmatched I / O performance - RAID levels: 0, 1, 5, 6, 10, 50, 60 - Hot-swappable drives, fans and power supplies

ENTERPRISE NETWORK VIDEO RECORDERS

NEW

IS-1200

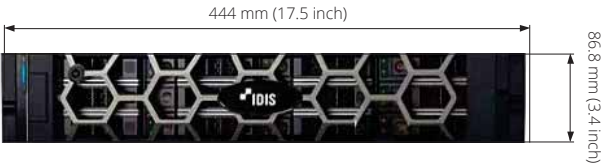
NDAA
Compliant

Direct Attached Storage with IR-1200
NDAA-Compliant



- 12Gbps SAS offering unmatched I/O performance
- Hot-swappable drives, fans and power supplies
- Complete compatibility with IDIS components: IP cameras, Analogue DVR, DirectCX TVR, DirectIP NVR, and encoders
- Equipped with RAID 5, RAID 6 recording, Hot swappable
- Supports H.264, H.265 compression, and Intelligent Codec

DIMENSIONS



SPECIFICATIONS

		IS-1200
GENERAL	Hard Disk Drive Configuration	Up to 12 x SAS Hard Disk Drives, Hot-swappable, RAID 5, RAID 6
	Recording Storage	12 Bay
	Interface	Enclosure Management Module, dual
	Approval	FCC Rating Class A, CISPR 22, EN55022, EN55024, FCC CFR 47, Pt 15, ICES-003, CvNS14336-1, CNS13438, GB4943, GB9254, EN 61000-3-2, EN61000-3-3, RoHS, Reach (SVHC), WEEE
MECHANICAL	Unit Dimensions (W x H x D)	444.0mm x 545 mm X 86.8mm (17.5" x 21.5" x 3.4")
	Unit Weight	Max 25.58kg (56.39 lbs)
ELECTRICAL	Power Input	100-127 / 200-240VAC, 50 / 60Hz
	Power Supply	Redundant, Hot Swappable
ENVIRONMENTAL	Power Capacity	800W
	Operating Temperature	0° to 40°C (32°F to 104°F)
FOR MARKETING MATERIAL ONLY	Operating Humidity	5% ~ 85%
	Key Feature	- 12Gb SAS offering unmatched I / O performance - RAID levels: 0, 1, 5, 6, 10, 50, 60 - Hot-swappable drives, fans and power supplies

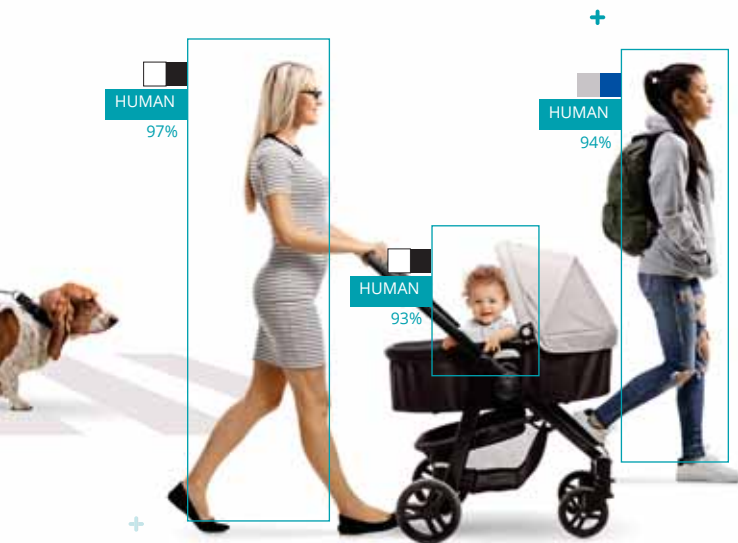
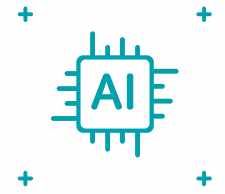
IDIS AI SOLUTION

IDIS Deep Learning Analytics
(IDLA) Artificial Intelligence
optimised for video surveillance

IDLA represents a new paradigm for video surveillance, leveraging artificial intelligence and deep learning algorithms to perform previously labor-intensive tasks with up to 98% accurate alarms and notifications.



IDIS AI Solutions



Ensure Better Outcomes with The In-House Developed IDIS Deep Learning Engine

IDLA's accurate monitoring of images, events,
and scenes enables smart searching
with high accuracy and outstanding results.



AI IN THE BOX WITH IDIS SOLUTION SUITE

DV-3200(B) | **NDAA**
Compliant | **IDIS** SOLUTION SUITE®

Enterprise-class AI in the Box Server

- AI in the Box with IDIS Solution Suite
- Compatible with IDIS Deep Learning Analytics (IDLA)
- 2U rack mount chassis



IDIS Deep Learning Analytics (IDLA)

Powered by the
IDIS Deep Learning Engine

- Industry-leading accurate deep learning engine
- Object classification suitable for surveillance applications
- Simple configuration and zero calibration



IDIS AI Solutions



	DV-3200	DV-3200-B
		
SYSTEM		
Supported Service	IDIS Solution Suite IDLA VA Service	IDIS Solution Suite IDLA VA Service
Supported Version	Version 3.6.4 or Higher	Version 3.6.4 or Higher
Operating System	Microsoft® Windows 10 IoT Enterprise	Microsoft® Windows 10 IoT Enterprise
Processor	Intel® I5-10500, 3.1GHz	Intel® I5-10500, 3.1GHz
Memory	DDR4 PC-25600, 16GB	DDR4 PC-25600, 16GB
Processor	Intel® I5-10500, 3.1GHz	Intel® I5-10500, 3.1GHz
Channels available for Analytics	Up to 64ch in condition of 640x360@5ips video input	Up to 64ch in condition of 640x360@5ips video input
IDLA Processing Unit	NVIDIA A2000, 12GB	NVIDIA A2000, 6GB
Network Connection	2 GbE RJ-45 Ports (1000Base-T)	2 GbE RJ-45 Ports (1000Base-T)
Video Outputs	2 HDMI 2.0	2 HDMI 2.0
USB	6 (2 Front USB 2.0 + 4 Back (3 USB 3.0 TYPE-A + 1 TYPE-C))	6 (2 Front USB 2.0 + 4 Back (3 USB 3.0 TYPE-A + 1 TYPE-C))
MECHANICAL		
Unit Dimensions (W x D x H)	482.6 mm x 88 mm x 523.5 mm (19" x 3.5" x 20.6")	482.6mm x 88mm x 523.3mm (19" x 3.5" x 20.6")
Unit Weight	11.8 kg (26.0 lbs)	11.8kg (26.01lb)
ELECTRICAL		
Power Input	100-240 V~, 50/60 Hz, 6.0 - 3.0 A	100-240V~, 50/60 Hz, 6.0 - 3.0A
Power Consumption	270W	270W
Approval	FCC, CE, CB, UL, PSE, KC	FCC, CE, CB, UL, PSE, KC
ENVIRONMENTAL		
Operating Temperature	0° to 40°C (32° to 104°F)	0°C to 40°C (32°F to 104°F)
Operating Humidity	0% to 90 %	0% ~ 90%

AI IN THE BOX

ALL-IN-ONE 4-CHANNEL AI BOX FOR RETAIL

DV-1304 | **NDAA**
Compliant

Stay Competitive with Affordable Store and Customer Intelligence

Handled by an all-in-one AI Box, DV-1304 delivers actionable customer and store insights to increase sales with the ability to meet any existing COVID or future healthcare guidelines. The AI Box for Retail is a simple add-on appliance compatible with existing IDIS network cameras without AI analytics and DirectIP® NVRs, eliminating the need for complex analytics software and upgrades to edge VA devices.

Users can advantage from an industry-first and cost-free dashboard that integrates up to 32-channels of data. The DV-1304 comes with built-in power sourcing equipment (PSE) so there is no need to add Power over Ethernet (PoE) switches, which can impact on the aesthetics of retail environments and saves on installation costs.



COVID-19 Compliance



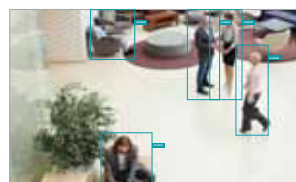
Social Distancing
Violation Detection



Crowd Detection



Face Mask Detection



People Counting
Occupancy Monitoring

Business Intelligence



People Counting Count, Track and Analyse

Know exactly how many people come and go. You can find the difference between the estimated and actual floating population. The management and administration through People Counting is essential for places requiring high-level security, such as an airport. Expected number of visitors can be predicted by accumulated data and appropriate action can be made in advance.



Queue Management Line Management and Analysis

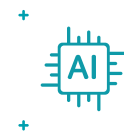
Manage your lines and enhance customer satisfaction. Open and close the appropriate amount of counters necessary based on how many customers are in line. Operated by an alarm, this function allows employees to provide quick and accurate service to their waiting customers as well as an efficient internal shift-change system.



Heat Map Visualize Visitor Footfall and Behavior

Highlight where people spend time and what they interact with. This is utilized to determine the best location where exposure needs to be maximised, such as new product zones or areas with sluggish sales. It can also be used to select the best locations for advertisements and promotional materials.

IDIS AI Solutions



DV-1304	
 	
Key Features	- Powered by the most advanced IDIS Deep-Learning Analytics (IDLA) - People Counting and Occupancy Control - Queue Monitoring - Heatmap - Social Distancing Violation - Mask Rule Violation - Generates real-time event notifications with high accuracy - Live Occupancy Dashboard to maintain capacity limits - Dashboard Reporting for visitor flow, checkout traffic, and compliance adherence - Rapid DirectIP plug-and-play installation - A specialized NDAA-Compliant DirectIP NVR - Supports 4-ch IP cameras
SYSTEM	
Video Compression	H.264, H.265
Video Inputs	4 IP Channels
Supported Device	DirectIP NVR
Network Connection	100M Ethernet x 1 (100Base-TX) with PD 100M Ethernet x 1 (100Base-TX) with PSE (PSE need Adaptor)
VA Support	People Counting Occupancy Control Queue Monitoring Heatmap Social Distancing Violation Mask Rule Violation
MECHANICAL	
Unit Dimension (W x H x D)	200 mm x 44 mm x 157.6 mm (7.9" x 1.7" x 6.2")
Unit Weight	0.88 kg (1.94lb)
ENVIRONMENTAL	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	0% to 90 %
ELECTRICAL	
Power Input	48 V=, PoE
Power Consumption	48 V=, 0.8 A, 38.4 W PoE, IEEE 802.3 at(Class 4), 25 W DC OUTPUT : 48 V=, 0.35 A MAX
GENERAL	
Approvals	FCC, CE, KC

AI IN THE BOX

ADD-ON 4-CHANNEL SURVEILLANCE AI BOX

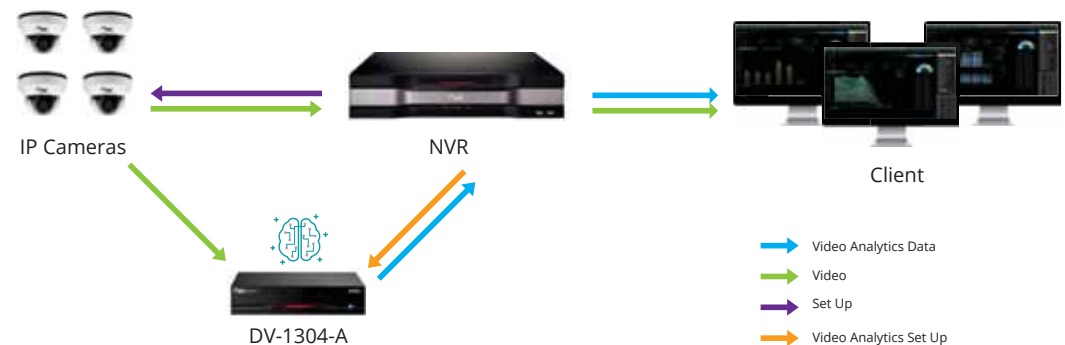
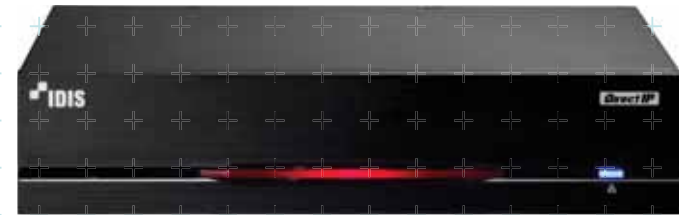
DV-1304-A | **NDA**
Compliant



Packed with highly accurate, in-house developed AI-powered analytics

The IDIS all-in-one AI Box, DV-1304-A is license free and comes pre-installed with the IDIS Deep Learning Engine that delivers up to 98% accuracy. It packs a punch with all the AI-powered functionality that users need to reduce false alarms and take a proactive approach to strengthening security and safety.

It comes as a simple add-on device compatible with existing IDIS network cameras and recorders, eliminating the need to implement complex analytics software or upgrade to costly edge cameras. Users can leverage their investments in various IDIS camera models by simply connecting the DV-1304-A box to existing NVRs or adopt it as part of a next-gen IDIS end-to-end surveillance solution.



Business Intelligence



In-house developed AI engine
(IDIS Deep Learning Engine)

Developed by our own R&D team, the IDIS AI engine is designed to specifically tackle the challenges of security and surveillance operations. By training the IDIS Deep Learning Engine on vast data sets, the AI Box delivers up to 98% accurate alerts and notifications compared to conventional video analytics. This also means that users have the flexibility to configure AI around their own specific security, safety, and other operational needs.

Free yet feature-rich video management

Users can benefit from the industry's only full-featured, free VMS, IDIS Center, that gives users live monitoring, playback, and highly efficient forensic search to speed up investigations.

Low Total Cost of Ownership

No upfront or recurring licenses

Users can take advantage of industry-leading accurate video analytics without any license fees or devices connection costs.

Empower your existing cameras

There's no need to buy new AI edge cameras, expensive AI NVRs, or hardware. Reap all the benefits of industry-leading AI functionality, by simply adding the AI Box to your existing IDIS system.

Proactive monitoring and less human error

AI-powered analytics reduce false alarms and eliminate the need to continually monitor multiple video streams that lead to operator fatigue, and events being missed.

IDIS AI Solutions

	DV-1304-A
	 NDAA Compliant
	• Simply connect to a compatible IDIS NVR • Supports 4ch IP Camera • Supports the most advanced IDIS Deep-Learning Analytics (IDLA) • Supports Object Detection • Supports Intrusion • Supports Loitering • Supports Line Crossing • Supports Face Detection • Supports object detection, intrusion, loitering, line crossing, and face detection rules • Generating real-time event notifications with high accuracy
Video	
Video Inputs	4 IP Channels
Supported Device	DirectIP NVR
VA Support	Object Detection, Intrusion, Loitering, Line Crossing, Face Detection
Network	
Video Compression	H.265, H.264
Network Connection	100 M Ethernet x 1 (100Base-TX) with PD 100 M Ethernet x 1 (100Base-TX) with PSE (PSE need Adaptor)
Environmental	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	0% to 90 %
Electrical	
Power Input	48 V=, PoE
Power Consumption	48 V=, 0.8 A, 38.4 W PoE, IEEE 802.3 at (Class 4), 25 W DC Output: 48 V=, 0.35 A MAX
Mechanical	
Unit Dimension (W x H x D)	200 mm x 44 mm x 157.6 mm (7.9" x 1.7" x 6.2")
Unit Weight	0.88 kg (1.94 lb)
General	
Approvals	FCC, CE, KC

NETWORK CAMERAS

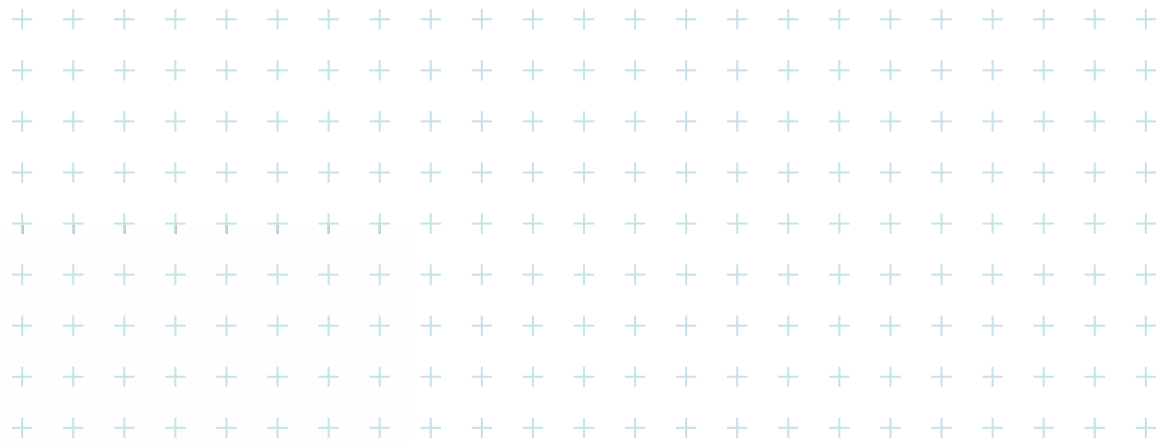
IDIS Extends Edge AI Camera Lineup for Highly Accurate, Targeted Video Analytics for a Wide Range of Markets

Together these new cameras, powered by the up to 98% accurate IDIS Deep Learning Engine, make it easy for systems integrators and end-users to add transformative video analytics capabilities to any surveillance operation to improve response times to critical events and increase operational efficiency.

EXPE



RIENCE



IDIS LightMaster **NIR**

IDIS Extends Edge AI Camera Lineup
for Highly Accurate, Targeted Video



IDIS LightMaster

2M LightMaster Box Camera

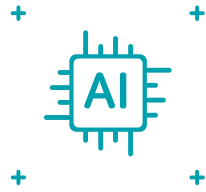
NDA
Compliant



BOX CAMERAS

	2MP LightMaster Box Camera	5MP Box Camera
	DC-B6206XL	DC-B4501X
Model Name	  IDIS LightMaster	 
VIDEO		
Image Sensor	1/2" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	2592 x 1944
Lens Type	C/CS Mount	C/CS Mount
Iris Control	P-iris / DC Auto Iris / Manual Iris	P-iris / DC Auto Iris / Manual Iris
Min. Illumination	Colour Mode : 0.02 lux @F1.5 BW Mode : 0.002 lux @F1.5	Colour Mode : 0.15 Lux @F1.6 BW Mode : 0.015 Lux @F1.6
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)
Image Setting	Exposure, White Balance, Self-Adjusting Video Mode (Sharpness, Contrast, Colours, Brightness Control)	Exposure, White Balance, Self-Adjusting Video Mode (Sharpness, Contrast, Colours, Brightness Control)
De-fog	-	-
Video Out	-	-
NETWORK		
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Two-way Audio	Yes	Yes
Max. Frame Rate	30 ips : 1920 x 1080 (WDR)	4:3 mode : 30 ips : 2592 x 1944 (WDR) 16:9 mode : 30 ips : 2592 x 1456 (WDR)
Supported Resolution	1920 x 1080, 1280 x 720, 640 x 360, 352 x 240	4:3 : 2592 x 1944, 1920 x 1440, 1280 x 960, 640 x 480 16:9 : 2592 x 1456, 1920 x 1080, 1280 x 720, 640 x 360
Ethernet	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)
Recording Session Buffer (NLTSec)	Yes (Up to 60 MB)	Yes (Up to 60MB)
Edge Storage	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)	micro SD/SDHC/SDXC, Smart Failover (Up to 512GB)
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone
Audio In / Out	1 (Built In MIC) + 1 / 1	1 (Built In MIC) + 1 / 1
Alarm In / Out	2/2	2/2
ENVIRONMENTAL		
Vandal Proof Casing	-	-
Outdoor Ready	-	-
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	78mm x 63.5mm x 142.5mm (3.07" x 2.5" x 5.61")	78 mm x 63.5 mm x 150.1mm (3.07" x 2.5" x 5.91")
Weight	0.4 kg (0.89 lb)	0.3 kg (0.661 lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 2)	12 VDC, PoE IEEE 802.3af (Class 2)
Power Consumption	12 V=, 0.43 A, 5.16 W PoE, IEEE 802.3 af (Class 2), 5 W	12 V=, 0.5 A, 6 W PoE, IEEE 802.3 af (Class 2) 5.6 W
Approval	FCC, CE, KC, UL	FCC, CE, KC

IDIS AI Solutions



For the most powerful, scalable video solutions

IDIS end-to-end video solutions give systems integrators and end-users everything they need for Middle East applications, from multi-branch retail to oil and gas sites, from luxury casinos, to hospitality. With over 20 years' proven expertise, IDIS offers an extensive video tech line-up that includes proprietary IP cameras, recorders, and VMS, providing exceptional reliability and high performance with open platform compatibility for seamless integration with other systems.



To be unveiled at Intersec, the IDIS Edge AI Camera Plus range features a host of tools that will add efficiency to both real time surveillance operations and footage search & review. For example, powerful real time image cropping functions, IDIS A-Cut Monitoring, along with new IDLA Pro event functions, now make video surveillance more effective than ever. The new advanced functions with IDLA Pro now include crowd detection, abandoned object, removed object, fall detection and violence detection.



Face
(Gender, Age, Hat, Glasses, Mask)

Bag

Colours

Vehicle
(Car, Truck, Bus, Bike, Etc.)



A Leap Forward in AI Surveillance: IDIS Edge AI Camera Plus



The IDIS Edge AI Camera Plus range offers all the advantages of an intuitive, easy-to-use interface, with functions designed for convenient operation such as automatic image cropping and intuitive attribute search. Customers also have the assurance of seamless integration of all new IDIS technology with IDIS end-to-end solutions, and full compatibility with other products.

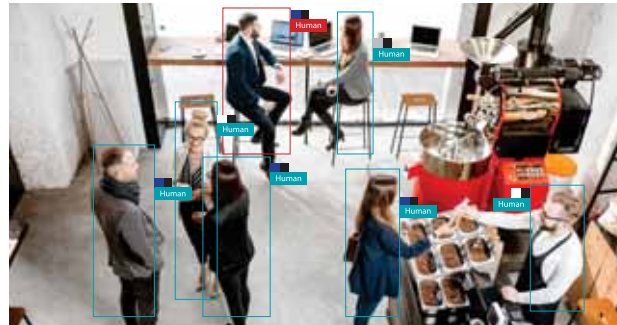
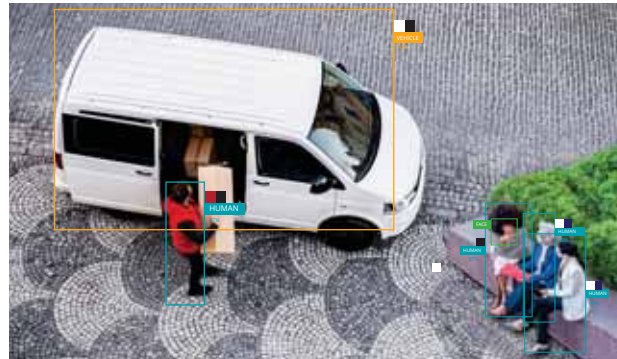
Discover Effortless Analysis with Precise and Autonomous AI

Strengthen your security posture by staying ahead of the curve with our future-ready object classification solutions

Object classification

Easy Setup Without Calibration

Our AI solutions offer hassle-free setup without the need for calibration. Installers and users benefit from maximum and minimum size settings for objects eliminating adjustments and tuning, enabling convenient and rapid deployment.



Revolutionary Reduction in False Alarms

Experience a significant improvement in false alarms caused by harmless environmental factors such as small animal movements, swaying branches or heavy rain. Our Deep Learning Engine has been in-house trained to minimize false alarms, providing more reliable detection and faster responses.

Improved Light Variation Detection and Low-Light Performance

Leave behind the challenges of changing lighting and low-light conditions. Our advanced AI solutions deliver superior detection performance, seamlessly adapting to lighting variations and ensuring optimal results—even in the dark.



Intrusion

Swiftly identifies unauthorized access, ensuring real-time security alerts and rapid response capabilities.



Line Crossing

Instantly detects and alerts to any breach, ensuring vigilant perimeter security with real-time notifications.



Loitering

Enhances security by identifying and responding to prolonged presence in monitored areas, ensuring a proactive approach to security.



Face Detection

Used for various surveillance purposes, self-enrollment for access control, and personalized user experiences without infringing on privacy rights.



Fall Detection

Transform safety in healthcare settings with cutting-edge monitoring alerts to slips, trips and falls ensuring a rapid first aid response.



Abandoned Object Detection

Immediate identification and alerts that ensure a proactive response to potential threats, prioritizing safety.

DOME CAMERAS

Model Name	MFZ, 8MP	FIXED, 8MP	NEW	DC-D4548WRA	NEW	DC-D4538WRA	NEW	DC-D4538RA
	DC-D4831HRX	DC-D4811WRX (3.3mm)		DC-D4548WRA		DC-D4538WRA		DC-D4538RA
	 4K 8MP NDA A Compliant	 4K 8MP NDA A Compliant		 AI 5MP NDA A Compliant		 AI 5MP NDA A Compliant		 AI 5MP NDA A Compliant
Image Sensor	1/2.8" CMOS	1/2.8" CMOS		1/2.8" CMOS		1/2.8" CMOS		1/2.8" CMOS
Max. Resolution	3840 x 2160	3840 x 2160		2592 x 1944		2592 x 1944		2592 x 1944
Lens Type	Motorised Vari-focal	Fixed-focal		Motorised Vari-focal		Motorised Vari-focal		Motorised Vari-focal
Focal Length	f = 2.7-13.5 mm	f = 3.3 mm		f = 7 ~ 22 mm		f=2.7 ~ 13.5 mm		f=2.7 ~ 13.5 mm
Aperture	F1.8 - 3.32	F2.0		F1.4~F2.8		F1.4 ~ 3.2		F1.4 ~ 3.2
Iris Control	DC Iris	Fixed Iris		DC Iris		DC Iris		DC Iris
Angular Field of View	Wide: 110.6°(H) 57.3°(V) 134.1°(D) Tele: 32.6°(H) 18.3°(V) 37.4°(D)	101.3° (H) 54.5°(V) 119.7°(D)		[4:3 mode] Wide: 37.4°(H) 27.5°(V) 48.2°(D) Tele: 15.7°(H) 11.8°(V) 19.6°(D) [16:9 mode] Wide: 37.4°(H) 20.4°(V) 43.6°(D) Tele: 15.7°(H) 8.8°(V) 18°(D)		[4:3 mode] Wide: 101.2°(H) 72.5°(V) 137.4°(D) Tele: 30.4°(H) 22.8°(V) 38°(D) [16:9 mode] Wide: 101.2°(H) 53.3°(V) 121.6°(D) Tele: 30.4°(H) 17°(V) 34.7°(D)		[4:3 mode] Wide: 101.2°(H) 72.5°(V) 137.4°(D) Tele: 30.4°(H) 22.8°(V) 38°(D) [16:9 mode] Wide: 101.2°(H) 53.3°(V) 121.6°(D) Tele: 30.4°(H) 17°(V) 34.7°(D)
Min. Illumination	Colour: 0.2 Lux @ F 1.8 B/W: 0 Lux (IR LED On)	Colour: 0.2 Lux @ F 2.0 B/W: 0 Lux (IR LED On)		Colour: 0.13 lux @ F1.4 B/W: 0 lux (IR LED On)		Colour: 0.13 lux @ F1.4 B/W: 0 lux (IR LED On)		Colour: 0.13 lux @ F1.4 B/W: 0 lux (IR LED On)
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)		120 dB (True WDR)		120 dB (True WDR)		120 dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)		Yes (ICR)		Yes (ICR)		Yes (ICR)
IR Distance (LEDs)	40 m / 131.2 ft (6 ea)	30 m / 98.4 ft (4 ea)		40 m / 131.2 ft (6 ea)		40 m / 131.2 ft (6ea)		40 m / 131.2 ft (6ea)
Image Stabilizer	-	-		-		-		-
De-fog	-	-		Yes		Yes		Yes
Video Out	-	-		-		-		-
Video Compression	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG		H.265, H.264 (MP), M-JPEG		H.265, H.264 (MP), M-JPEG		H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported		Supported		Supported		Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law		ADPCM 16 K, G.726, G.711 u-Law, G.711 a-Law		ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law		ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips: 3840 x 2160 15ips: 3840 x 2160 (WDR)	30ips: 3840 x 2160 15ips: 3840 x 2160 (WDR)		4:3 mode: 30ips: 2592 x 1944 (WDR) 16:9 mode: 30ips: 2592 x 1456 (WDR)		4:3 mode: 30ips: 2592 x 1944 (WDR) 16:9 mode: 30ips: 2592 x 1456 (WDR)		4:3 mode: 30ips: 2592 x 1944 (WDR) 16:9 mode: 30ips: 2592 x 1456 (WDR)
Ethernet	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)		RJ45 (10/100 BASE-T)		RJ45 (10/100BASE-T)		RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSrec)	Yes (Up to 60 MB)	Yes (Up to 60 MB)		Yes (Up to 60 MB)		Yes (Up to 60 MB)		Yes (Up to 60 MB)
Edge Storage	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)		micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)		micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)		micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)
Trigger Event	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone		Motion Detection, Alarm in, Audio detection, Tampering, Object Detection, Intrusion, Loitering, Line Crossing, Face Detection		Motion Detection, Alarm in, Audio detection, Tampering, Object Detection, Intrusion, Loitering, Line Crossing, Face Detection		Motion Detection, Alarm in, Audio detection, Tampering, Object Detection, Intrusion, Loitering, Line Crossing, Face Detection
Audio In / Out	1 / 1	1 / 1		1 / 1		1 / 1		1(Built In MIC)+1 / 1
Alarm In / Out	1 / 1	1 / 1		1 / 1		1 / 1		1 / 1
Vandal Proof Casing	IK10	IK10		IK10		IK10		IK10
Outdoor Ready	IP67, Heater	IP67		IP67, Heater		IP67, Heater		IP67, Heater
Operating Temperature	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)		-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)		-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)		-10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	Ø155 x 104.4 mm (Ø6.10" x 4.11")	Ø120.6 x 92.9 mm (Ø4.75" x 3.66")		Ø155 x 104.4mm (Ø6.1" x 4.11")		Ø155 x 104.4 mm (Ø6.1" x 4.11")		Ø122 x 103.4mm (Ø4.8" x 4.07")
Weight	1.02 kg (2.25 lb)	0.48 kg (1.06 lb)		1kg (2.2lb)		1kg (2.2lb)		0.35kg (0.77lb)
Power Source	PoE IEEE 802.3af (Class 3)	PoE (IEEE 802.3af Class 3)		PoE (IEEE 802.3af Class 3)		PoE (IEEE 802.3af Class 3)		PoE (IEEE 802.3af Class 3)
Power Consumption	12V=, 1.2A, 14.4W PoE, IEEE 802.3af Class 3), 12.4W	PoE, (IEEE 802.3af Class 3), 9.0W		12V=, 1.1A, 13.2W PoE, IEEE 802.3af (Class 3), 10W		12 V=, 1.1 A, 13.2 W PoE, IEEE 802.3 af (Class 3), 10 W		12 V=, 1A, 12W PoE, IEEE 802.3af (Class 3), 9.5W

DOME CAMERAS

Model Name	MFZ, 5MP	MFZ, 5MP	IR PoE Extender FIXED, 5MP	FIXED, 5MP	FIXED, 5MP
	DC-D4536RX	DC-D4536HRX	DC-D4517RXP (2.8mm,4.3mm)	DC-D4517RX (2.8mm,4.3mm)	DC-D4516WRX (2.8mm/4.0mm)
	 	 	  DIS PoE Extender	 	 
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	2592 x 1944	2592 x 1944	2592 x 1944	2592 x 1944	2592 x 1944
Lens Type	Motorised Vari-focal	Motorised Vari-focal	Fixed-focal	Fixed-focal	Fixed-focal
Focal Length	f = 3.0 -13.5 mm	f = 3.0 -13.5 mm	f = 2.8 mm / f = 4.3 mm	f = 2.8 mm / f = 4.3 mm	f = 2.8 mm / f = 4.0 mm
Aperture	F1.4 - 3.2	F1.4 - 3.2	2.8 mm: F 2.0 / 4.3 mm: F 1.6	2.8 mm: F 2.0 / 4.3 mm: F 1.6	2.8 mm: F 2.0 / 4.0 mm: F 2.15
Iris Control	DC Iris	DC Iris	Fixed Iris	Fixed Iris	Fixed Iris
Angular Field of View	[4:3 mode] Wide: 91°(H) 66°(V) 120°(D) Tele: 31°(H) 23°(V) 38°(D) [16:9 mode] Wide: 91°(H) 49°(V) 107°(D) Tele: 31°(H) 17°(V) 35°(D)	[4:3 mode] Wide: 91°(H) 66°(V) 120°(D) Tele: 31°(H) 23°(V) 38°(D) [16:9 mode] Wide: 91°(H) 49°(V) 107°(D) Tele: 31°(H) 17°(V) 35°(D)	[2.8mm] 4:3 mode: 104.8° (H) 76.9°(V) 130°(D) 16:9 mode: 104.8° (H) 57.2°(V) 123°(D) [4.3mm] 4:3 mode: 80°(H) 56.7°(V) 106.9°(D) 16:9 mode: 80°(H) 41.1°(V) 95.4°(D)	[2.8mm] 4:3 mode: 104.8° (H) 76.9°(V) 130°(D) 16:9 mode: 104.8° (H) 57.2°(V) 123°(D) [4.3mm] 4:3 mode: 80°(H) 56.7°(V) 106.9°(D) 16:9 mode: 80°(H) 41.1°(V) 95.4°(D)	[2.8mm] 4:3 mode: 104.8° (H) 76.9°(V) 130°(D) 16:9 mode: 104.8° (H) 57.1°(V) 122.9°(D) [4.0mm] 4:3 mode: 79.2°(H) 56.6°(V) 103°(D) 16:9 mode: 79.2°(H) 41.4°(V) 95.1°(D)
Min. Illumination	Colour: 0.15 lux @ F1.4 B/W: 0 Lux (IR LED On)	0.15 lux @ F1.4 B/W: 0 Lux (IR LED On)	2.8 mm: Colour: 0.15 lux @ F2.0 B/W: 0 lux (IR LED On) 4.3mm: Colour: 0.15 lux @ F1.6 B/W: 0 lux (IR LED On)	2.8 mm: Colour: 0.15 lux @ F2.0 B/W: 0 lux (IR LED On) 4.3mm: Colour: 0.15 lux @ F1.6 B/W: 0 lux (IR LED On)	2.8 mm Colour: 0.15 Lux @ F2.0 / B/W: 0 Lux (IR LED On) 4.0 mm Colour: 0.15Lux @ F2.15 / B/W: 0 Lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)	120dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	30 m / 98.4ft (6ea)	30 m / 98.4 ft (6 ea)	20 m / 65.6ft (4 ea)	2.8 mm: 20 m / 65.6ft (4 ea) 4.3mm: 20m / 65.6ft (2 ea)	30 m / 98.4 ft (4ea)
Image Stabilizer	-	-	-	-	-
De-fog	Yes	Yes	Yes	Yes	Yes
Video Out	-	-	-	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP) M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported	Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	-	2.8 mm: ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law 4.3mm : -	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	4:3 mode: 30ips: 2592 x 1944 (WDR) 16:9 mode: 30ips: 2592 x 1456 (WDR)	4:3 mode: 30ips: 2592 x 1944 (WDR) 16:9 mode: 30ips: 2592 x 1456 (WDR)	4:3 mode: 30 ips: 2592 x 1944 (WDR) 16:9 mode: 30 ips: 2592 x 1456 (WDR)	4:3 mode: 30 ips: 2592 x 1944 (WDR) 16:9 mode: 30 ips: 2592 x 1456 (WDR)	4:3 mode: 30ips: 2592 x 1944 (WDR) 16:9 mode: 30ips: 2592 x 1456 (WDR)
Ethernetz	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	1 RJ45 (10/100BASE-T), 1 Additional RJ45 (10/100BASE-T) for PoE Extender	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)
Recording Session Buffer (NLTsrec)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)
Edge Storage	micro SD/SDHC/SDXC, Smart Failover (Up to 512GB)	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)	-	-	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)
Trigger Event	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Tampering, Trip Zone	Motion Detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone
Audio In / Out	1 (Built In MIC)+1 / 1	1 / 1	-	-	1 / 1
Alarm In / Out	1 / 1	1 / 1	-	-	1 / 1
Vandal Resistance	-	IK10	-	-	IK10
Outdoor Ready	-	IP67, Heater	-	-	IP67
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)	-10°C ~ 50°C (+14°F ~ 122°F) *Starting up at above 0°C (32°F)	-10°C ~ 50°C (+14°F ~ 122°F) *Starting up at above 0°C (32°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	Ø122.4 mm x 103.4 mm (Ø4.82" x 4.07")	Ø155 mm x 104.4 mm (Ø6.10" x 4.11")	Ø110 x 88mm (Ø4.33" x 3.46")	Ø110 x 88mm (Ø4.33" x 3.46")	Ø120.6 x 92.9mm (Ø4.75" x 3.66")
Weight	0.4 kg (0.88 lb)	1 kg (2.20 lb)	0.22kg (0.48lb)	0.22kg (0.44lb)	0.48 kg (1.06 lb)
Power Source	PoE (IEEE 802.3af Class 3)	PoE (IEEE 802.3af Class 3)	PoE, IEEE 802.3 at (Class 4)	PoE IEEE 802.3af (Class 3),	PoE (IEEE 802.3af Class 3)
Power Consumption	12V=, 1A, 12W PoE, IEEE 802.3af (Class 3), 9.5W	12V=, 1.1A, 13.2W PoE, IEEE 802.3af (Class 3), 11W	PoE, IEEE 802.3at (Class 4), 25.5 W (DC OUT: 42.5-57 V=, 0.3 A MAX)	PoE, IEEE 802.3af (Class 3), 7.5W	PoE, (IEEE 802.3af Class 3), 7.6W

TURRET / DOME CAMERAS

Model Name	AI IR FIXED TURRET, 5MP	AI IR TURRET MFZ, 5MP	AI MFZ, 2MP	MFZ, 2MP	AI MFZ, 2MP
	DC-D4512WERA (2.8mm, 4.3mm)	DC-D4532WERA	DC-D4248HRA	DC-D4246WX	DC-D4238HRA
	 IDIS LightMaster NIR	 IDIS LightMaster NIR	 IDIS LightMaster NIR		 IDIS LightMaster NIR
Image Sensor	1/2.8" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	2592 x 1944	2592 x 1944	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Fixed-focal	Motorised Vari-focal	Motorised Vari-focal	Motorised Vari-focal	Motorised Vari-focal
Focal Length	f = 2.8mm / f = 4.3mm	f = 3.2 ~ 10.5mm	f = 7 ~ 22mm	f = 7 ~ 22mm	f = 2.8 ~ 12mm
Aperture	F 2.0 (2.8mm) F 1.6 (4.3mm)	F1.6 ~ 3.3	F1.4 ~ F2.8	F1.4 ~ F2.8	F1.4 ~ F3.1
Iris Control	Fixed Iris	P-Iris	DC Iris	DC Iris	DC Iris
Angular Field of View	[2.8mm] 4:3 mode: 104.8°(H) 76.9°(V) 130°(D) 16:9 mode: 104.8°(H) 57.2°(V) 123°(D) [4.3mm] 4:3 mode: 80°(H) 56.7°(V) 106.9°(D) 16:9 mode: 80°(H) 41.1°(V) 95.4°(D)	[4:3 mode] Wide: 98.9°(H) 71.1°(V) 133.8°(D) Tele: 28.2°(H) 21.2°(V) 35.3°(D) [16:9 mode] Wide: 98.9°(H) 52.2°(V) 117.9°(D) Tele: 28.2°(H) 15.9°(V) 32.4°(D)	Wide: 40.5°(H), 22°(V), 47.3°(D) Tele: 16.8°(H), 9.5°(V), 19.3°(D)	Wide: 40.5°(H), 22°(V), 47.3°(D) Tele: 16.8°(H), 9.5°(V), 19.3°(D)	Wide: 105.7°(H), 55.3°(V), 126.4°(D) Tele: 34°(H), 19.1°(V), 39.1°(D)
Min. Illumination	Colour: 0.13 lux @ F2.0, B/W: 0 lux (IR LED On) (2.8mm) Colour: 0.13 lux @ F1.6, B/W: 0 lux (IR LED On) (4.3mm)	Colour: 0.13 lux @ F1.6 B/W: 0 lux (IR LED On)	Colour: 0.1 lux @ F1.4 B/W: 0 lux (IR LED On)	Colour: 0.1 lux @ F1.4 B/W: 0.01 lux @ F1.4	Colour: 0.1 lux @ F1.4 B/W: 0 lux (IR LED On)
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)	120dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	30m / 98.4 ft (4ea)	50m / 164ft (6ea)	50m / 164 ft (6ea)	-	50m / 164 ft (6ea)
Image Stabilizer	-	-	-	-	-
De-fog	Yes	Yes	Yes	Yes	Yes
Video Out	-	-	-	-	-
Video Compression	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported	Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16 K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	4:3 mode: 30ips: 2592 x 1944 (WDR) 16:9 mode: 30ips: 2592 x 1456 (WDR)	4:3 mode: 30ips: 2592 x 1944 (WDR) 16:9 mode: 30ips: 2592 x 1456 (WDR)	60ips: 1920 x 1080 30ips: 1920 x 1080 (WDR)	30ips: 1920 x 1080 (WDR)	60ips: 1920 x 1080 30ips: 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100 BASE-T)
Recording Session Buffer (NLTsrec)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)
Edge Storage	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	micro SD/SDHC/SDXC, Smart Failover (Up to 512GB)	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)
Trigger Event	Motion Detection, Alarm in, Audio detection, Tampering, Object Detection, Intrusion, Loitering, Line Crossing, Face Detection	Motion Detection, Alarm in, Audio detection, Tampering, Object Detection, Intrusion, Loitering, Line Crossing, Face Detection	Motion Detection, Alarm in, Audio detection, Tampering, Object Detection, Intrusion, Loitering, Line Crossing, Face Detection	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Object Detection, Intrusion, Loitering, Line Crossing, Face Detection
Audio In / Out	1 (Built In MIC) + 1 / 1	1 (Built In MIC) + 1 / 1	1 / 1	1 / 1	1 / 1
Alarm In / Out	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Vandal Proof Casing	IK10	IK10	IK10	IK10	IK10
Outdoor Ready	IP67	IP67, Heater	IP67, Heater	IP67	IP67, Heater
Operating Temperature	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)	-40°C ~ +60°C (-40°F ~ +140°F) *Starting up at above -20°C (-4°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)	-40°C ~ +60°C (-40°F ~ +140°F) *Starting up at above -20°C (-4°F)
Dimensions (W x H x D)	Ø121 x 78.7mm (Ø4.76" x 3.1")	Ø135 x 98.5mm (Ø5.31" x 3.88")	Ø155 x 104.4mm (Ø6.1" x 4.11")	Ø155 x 105mm (Ø6.1" x 4.13")	Ø155 x 104.4mm (Ø6.1" x 4.11")
Weight	605g (1.3lb)	830g (1.83lb)	0.985kg (2.17lb)	0.985kg (2.17lb)	0.985kg (2.17lb)
Power Source	PoE (IEEE 802.3af Class 3)	PoE (IEEE 802.3af Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	PoE, IEEE 802.3af (Class 3), 7.6W	12V=, 1.1A, 13.2W PoE, IEEE 802.3af (Class 3), 11.5W	12V=, 1.1A, 13.2W PoE, IEEE 802.3af (Class 3), 8.3W	12V=, 0.64A, 7.7W PoE, IEEE 802.3af (Class 3), 7.8W	12V=, 1.1A, 13.2W PoE, IEEE 802.3af (Class 3), 8.3W

DOME CAMERAS

Model Name	MFZ, 2MP				AI FIXED, 2MP
	DC-D4237RX	DC-D4236HRX	DC-D4236WRX	DC-D4236RX	DC-D4218WRA (2.8mm / 4.0mm)
	 Full HD 2MP NDA Compliant	 Full HD 2MP NDA Compliant	 Full HD 2MP NDA Compliant	 Full HD 2MP NDA Compliant	 AI Full HD 2MP NDA Compliant IDIS LightMaster NIR
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Motorised Vari-focal	Motorised Vari-focal	Motorised Vari-focalz	Motorised Vari-focal	Fixed-focal
Focal Length	f = 2.8 ~ 12mm	f = 2.8 ~ 12mm	f = 2.8 ~ 12mm	f = 2.8 ~ 12mm	f = 2.8 mm, f = 4.0 mm
Aperture	F1.4 ~ F2.8	F1.4 ~ F2.8	F1.4 ~ F2.8	F1.4 ~ F2.8	F1.6
Iris Control	DC Iris	DC Iris	DC Iris	DC Iris	Fixed Iris
Angular Field of View	Wide: 98°(H), 51°(V), 116°(D) Tele: 33°(H), 19°(V), 38°(D)	Wide: 98°(H), 51°(V), 116°(D) Tele: 33°(H), 19°(V), 38°(D)	Wide: 98°(H), 51°(V), 116°(D) Tele: 33°(H), 19°(V), 38°(D)	Wide: 98°(H), 51°(V), 116°(D) Tele: 33°(H), 19°(V), 38°(D)	[2.8mm] 105.8°(H), 56.4°(V), 121.2°(D) [4.0mm] 87.5°(H), 44.4°(V), 104.9°(D)
Min. Illumination	Colour: 0.1 lux @ F1.4 B/W: 0 lux (IR LED On)	Colour: 0.1 lux @ F1.4 B/W: 0 lux (IR LED On)	Colour: 0.1 lux @ F1.4 B/W: 0 lux (IR LED On)	Colour: 0.1 lux @ F1.4 B/W: 0 lux (IR LED On)	Colour: 0.1 lux @ F1.6 B/W: 0 lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	30 m / 98.4 ft (6 ea)	30 m / 98.4 ft (6ea)	30 m / 98.4 ft (6ea)	30 m / 98.4 ft (6ea)	30 m / 98.4 ft (4ea)
Image Stabilizer	-	-	-	-	-
De-fog	Yes	Yes	Yes	Yes	Yes
Video Out	-	-	-	1-CVBS	-
Video Compression	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported	Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips: 1920 x 1080 (WDR)	30ips: 1920 x 1080 (WDR)	30ips: 1920 x 1080 (WDR)	30ips: 1920 x 1080 (WDR)	60ips: 1920 x 1080 30ips: 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ 45 (10/100 BASE-T)
Recording Session Buffer (NLTSec)	Yes (Up to 60MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)
Trigger Event	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Object Detection, Intrusion, Loitering, Line Crossing, Face Detection
Audio In / Out	1(Built In MIC) + 1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Alarm In / Out	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Vandal Resistance	-	IK10	IK10	-	IK10
Outdoor Ready	-	IP67, Heater	IP67	-	IP67
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)	-30°C ~ +60°C (-22°F ~ +140°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	Ø122 x 103.4mm (Ø4.8" x 4.07")	Ø155 x 105 mm (Ø6.1" x 4.13")	Ø122 x 103.4mm (Ø6.1" x 4.13")	Ø122 x 103.4mm (Ø4.8" x 4.07")	Ø120.6 x 92.9mm (Ø4.75" x 3.65")
Weight	0.37kg (0.82lb)	0.99 kg (2.18 lb)	0.985 kg (2.17 lb)	0.37 kg (0.81 lb)	0.490kg(1.08lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	12 VDC, PoE IEEE 802.3 af (Class 3)	12 VDC, PoE IEEE 802.3 af (Class 3)	12 VDC, PoE IEEE 802.3 af (Class 3)	PoE IEEE 802.3af (Class 3)
Power Consumption	12V=, 0.64A, 7.7W PoE, IEEE 802.3af (Class 3), 7.6W	12V=, 0.95 A, 11.4 W PoE, IEEE 802.3 af (Class 3), 10.3 W	12V=, 0.64 A, 7.7 W PoE, IEEE 802.3 af (Class 3), 7.8 W	12 V=, 0.64 A, 7.7 W PoE, IEEE 802.3 af (Class 3), 7.6 W	PoE, IEEE 802.3af (Class 3), 8W

DOME CAMERAS

Model Name	FIXED, 2MP			Micro Dome, FIXED, 2MP	MFZ, 2MP
	DC-D4217RX (2.8mm, 4.0mm)	DC-D4216WRX (2.8mm)	DC-D4216RX (2.8mm / 4.0mm)	DC-D4211CRX	DC-D3233HRXL
	 	 	 	 	  IDIS LightMaster
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal	Motorised Vari-focal
Focal Length	f = 2.8 mm, f = 4.0 mm	f=2.0	f = 2.8 mm, f = 4.0 mm	f=2.8	f = 4.4 ~ 10mm
Aperture	F 2.0 (2.8 mm), F1.6 (4.0 mm)	F 2.0 (2.8 mm), F1.6 (4.0 mm)	F 2.0 (2.8 mm), F1.6 (4.0 mm)	F 2.0	F1.2 - 1.95
Iris Control	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris	P-Iris
Angular Field of View	111.6°(H), 61.45°(V), 127.3°(D) (f = 2.8 mm) 87.4°(H), 46.9°(V), 103.5°(D) (f=4.0mm)	111.6°(H), 61.45°(V), 127.3°(D)	111.6°(H), 61.45°(V), 127.3°(D) (f = 2.8 mm) 87.4°(H), 46.9°(V), 103.5°(D) (f=4.0mm)	113.74°(H), 61.5°(V), 134.5°(D)	Wide: 91.5°(H), 48.4°(V), 109°(D) Tele: 43.4°(H), 24.2°(V), 49.9°(D)
Min. Illumination	Colour: 0.1 lux @ F2.0 B/W: 0 lux (IR LED On)	Colour: 0.1 lux @ F2.0 B/W: 0 lux (IR LED On)	Colour: 0.1 lux @ F2.0 B/W: 0 lux (IR LED On)	Colour: 0.1 lux @ F2.0 B/W: 0 lux (IR LED On)	Colour: 0.01 lux @ F1.2 B/W: 0 lux (IR LED On)
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)	120dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	20 m / 65.6 ft (4 ea)(f=4.0mm) 20 m / 65.6 ft (2 ea) (f=4.0mm)	30 m / 98.4 ft (4 ea)	30m / 98.4 ft (4ea)	15m / 49.2 ft (1ea)	30m / 98.4 ft (6ea)
Image Stabilizer	-	-	-	-	-
De-fog	Yes	Yes	Yes	-	Yes
Video Out	-	-	-	-	1 CVBS
Video Compression	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported	Supported
Audio Compression	-	-	-	-	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips: 1920 x 1080 (WDR)	30ips: 1920 x 1080 (WDR)	30ips: 1920 x 1080 (WDR)	30ips: 1920 x 1080 (WDR)	60ips: 1920 x 1080 30ips: 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100 BASE-T)
Recording Session Buffer (NLTsrec)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)
Edge Storage	-	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	-	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)
Trigger Event	Motion Detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone
Audio In / Out	-	1 / 1	1(Built In MIC)+1 / 1	-	1 / 1
Alarm In / Out	-	1 / 1	1 / 1	-	1 / 1
Vandal Proof Casing	-	IK10	-	-	IK10
Outdoor Ready	-	IP67	-	-	IP67, Heater
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)	-40°C ~ +60°C (-40°F ~ +140°F) *Starting up at above -20°C (-4°F)
Dimensions (W x H x D)	Ø130 x 81.4 mm (5.2"x 3.2")	Ø120.6 x 92.9mm(Ø4.75" x 3.65")	Ø110 x 88mm(Ø4.33" x 3.46")	Ø86mm x 59mm (Ø3.39" x 2.32")	Ø160 x 128.5mm (Ø6.3" x 5.1")
Weight	0.242 Kg (0.53 lb)	0.465kg (1.02lb)	0.26kg (0.57lb)	0.10kg (0.1lb)	1.21 kg (2.66 lb)
Power Source	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3 af (Class 2)	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)	12 VDC, PoE IEEE 802.3 af (Class 3)
Power Consumption	PoE, IEEE 802.3 af (Class 2), 3.8 W	PoE, IEEE 802.3 af (Class 2), 4.6 W	PoE, IEEE 802.3af (Class 2), 4.6W	PoE, IEEE 802.3af (Class 2), 3.6W	12V=, 0.97A, 11.6W, PoE, IEEE 802.3af (Class 3)

DOME CAMERAS

Model Name	AI MICRO VANDAL FIXED, 5MP	
	NEW	DC-D2511FCR
		
Image Sensor	1/2.8" SONY IMX 335 Starvis CMOS Sensor	
Max. Resolution	2704 x 2104	
Scanning Mode	Progressive Scan	
Lens Type	Fixed Lens	
Focal Length	f = 4.0mm (Optional 2.8mm)	
Aperture	F1.6	
Iris Control	Fixed	
Angular Field of View	2.8mm: 134.45°(D), 113.74°(H), 61.5°(V) 4.0mm: 104.9°(D), 87.5°(H), 44.4°(V)	
Electronic Shutter Speed	Min. 1/100,000 sec ~ Max. 1/2 sec	
Day and Night Mode	Auto / Day Colour / Night (BW) / External	
IR Distance	20m	
Auto White Balance Mode	Automatic, Manual	
Noise Reduction	2DNR / 3DNR	
Backlight Correction	True WDR	
Video Compression	H.265 Main profile, H.264 (High, Main, Base line profile), MJPEG	
SDK Support	API, ONVIF Profile S/T Compliant	
Video Frame Rate	Up to 30fps @ 2592 x 1944p	
Video Resolution	2592 x 1944, 2560 x 1920, 2048 x 1536, 1920 x 1440, 1600 x 1200, 1280 x 960, 800 x 600, 640 x 480, 480 x 360	
Video Streaming (3 Streaming)	Simultaneously H.265 and MJPEG (Multi Streaming) or Simultaneously H.264 and MJPEG (Multi Streaming) Independent Frame Rate and Bandwidth Control, VBR/CBR Mode	
Protocols	TCP / IP, UDP, IPv4 / v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf	
Security	Multi User Authority, IP Filtering, HTTPS	
Ethernet	RJ45 (10/100BASE-T)	
Trigger Event	Onboot / Trigger / Network Loss / Motion / AI Event	
Event Out Notification	Network	
Audio In/Out	Line-In / Line-Out	
Alarm In/Out	Alarm in 1 / Alarm Out 1	
AI	Motion / Human detection / Vehicle Detection	
Vandal Proof Casing	IK08	
Outdoor Ready	IP67	
Operating Temperature	-20°C ~ +50°C	
Dimensions (W x H x D)	Ø94 x 25 mm (Ø3.77" x 0.98")	
Power Source	PoE (IEEE 802.3af Class 2), DC12V	
Power Consumption	Max 4.0W	



IDIS Micro Vandal

5MP AI Micro Vandal Dome Camera

BULLET CAMERAS

Model Name	MFZ, 8MP	FIXED, 8MP	NEW MFZ, 5MP	MFZ, 5MP
	DC-T4831HRX	DC-T4811WRX (3.3mm)	DC-T4538WRA	DC-T4536HRX
	 4K 8MP NDAA Compliant	 4K 8MP NDAA Compliant	 AI 5MP NDAA Compliant IDIS LightMaster NIR	 5MP NDAA Compliant
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	3840 x 2160	3840 x 2160	2592 x 1944	2592 x 1944
Lens Type	Motorised Vari-focal	Fixed-focal	Motorised Vari-focal	Motorised Vari-focal
Focal Length	f = 2.7-13.5 mm	f = 3.3 mm	f = 2.7 ~ 13.5mm	f = 3.0 ~ 13.5mm
Aperture	F1.8 ~ 3.32	F2.0	F1.4 ~ F3.2	F1.4 ~ F3.2
Iris Control	DC Iris	Fixed Iris	DC Iris	DC Iris
Angular Field of View	Wide: 110.6°(H) 57.3°(V) 134.1°(D) Tele: 32.6°(H) 18.3°(V) 37.4°(D)	101.3° (H) 54.5°(V) 119.7°(D)	[4:3 mode] Wide: 101.2°(H) 72.6°(V) 137.4°(D) Tele: 30.4°(H) 22.8°(V) 38°(D) [16:9 mode] Wide: 101.7°(H) 53.3°(V) 121.6°(D) Tele: 30.2°(H) 17°(V) 34.7°(D)	[4:3 mode] Wide: 91°(H) 66°(V) 120°(D) Tele: 31°(H) 23°(V) 38°(D) [16:9 mode] Wide: 91°(H) 49°(V) 107°(D) Tele: 31°(H) 17°(V) 35°(D)
Min. Illumination	Colour: 0.2 Lux @ F1.8 B/W: 0 Lux (IR LED On)	Colour: 0.2 Lux @ F2.0 B/W: 0 Lux (IR LED On)	Colour: 0.13 lux @ F1.4 B/W: 0 lux (IR LED On)	Colour: 0.15 lux @ F2.0 B/W: 0 lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	40 m / 131.2 ft (6ea)	30 m / 98.4 ft (4ea)	40m / 131.2 ft (6ea)	30 m / 98.4 ft (6 ea)
Image Stabilizer	-	-	-	-
De-Fog	Yes	Yes	Yes	Yes
Video Out	-	-	-	-
Video Compression	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips: 3840 x 2160 15ips: 3840 x 2160 (WDR)	30ips: 3840 x 2160 15ips: 3840 x 2160 (WDR)	4:3 mode: 30ips: 2592 x 1944 (WDR) 16:9 mode: 30ips: 2592 x 1456 (WDR)	4:3 mode: 30ips: 2592 x 1944 (WDR) 16:9 mode: 30ips: 2592 x 1456 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTsrc)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60MB)	Yes (Up to 60MB)
Edge Storage	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	micro SD/SDHC/SDXC, Smart Failover (Up to 512GB)	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Object Detection, Intrusion, Loitering, Line Crossing, Face Detection	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone
Audio In / Out	1 / 1	1 / 1	1 / 1	1 / 1
Alarm In / Out	1 / 1	1 / 1	1 / 1	1 / 1
Vandal Proof Casing	IK10	IK10	IK10	IK10
Outdoor Ready	IP67, Heater	IP67	IP67, Heater	IP67, Heater
Operating Temperature	-40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F)	-20°C ~ +55°C (-22°F ~ +131°F) *Starting up at above 0°C (32°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)
Dimensions (W x H x D)	80 mm x 75 mm x 237 mm (3.15" x 2.95" x 9.33")	75 mm x 70 mm x 195.8 mm (2.95" x 2.75" x 7.7")	89.3mm X 89.3mm X 277.6mm (3.52" x 3.52" x 10.93")	80mm X 75mm X 237mm (3.15" x 2.95" x 9.33")
Weight	1.01kg (2.22lb)	0.66 kg (1.46lb)	1.293kg (2.85lb)	1.01kg (2.22lb)
Power Source	12 VDC, PoE IEEE 802.3 af (Class 3)	PoE (IEEE 802.3 af Class 3)	12VDC, PoE, IEEE 802.3af(Class 3)	12VDC, PoE, IEEE 802.3af(Class 3)
Power Consumption	12 V= 1.1 A, 13.2 W PoE, IEEE 802.3 af (Class 3), 11.7 W	PoE, (IEEE 802.3 af Class 3), 9.0W	12V= 1A, 12W PoE, IEEE 802.3af (Class 3), 9.7W	12V= 1.1A, 13.2W PoE, IEEE 802.3af (Class 3), 11W

BULLET CAMERAS

Model Name	FIXED, 5MP		
	NEW DC-T4517WRXP-A (2.8mm/4.3mm/6.2mm)  IDIS PoE Extender	NEW DC-T4517WRX-A (2.8mm/4.3mm/6.2mm) 	DC-T4516WRX (2.8mm/4.0mm/6.0mm) 
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	2592 x 1944	2592 x 1944	2592 x 1944
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal
Focal Length	f= 2.8mm / 4.3mm / 6.2mm	f= 2.8mm / 4.3mm / 6.2mm	f = 2.8 mm / 4.0 mm / 6.0mm
Aperture	F1.6	F1.6	F 2.0 (2.8 mm) / F 2.15 (4.0 mm) / F 1.6 (6.0 mm)
Iris Control	Fixed Iris	Fixed Iris	Fixed Iris
Angular Field of View	2.8mm 4:3 mode: 104.8°(H) 76.9°(V) 130°(D) 16:9 mode: 104.8°(H) 57.2°(V) 123°(D) 4.3mm 4:3 mode: 80°(H) 56.7°(V) 106.9°(D) 16:9 mode: 80°(H) 41.1°(V) 95.4°(D) 6.2mm 4:3 mode: 49.9°(H) 36.7°(V) 64°(D) 16:9 mode: 49.9°(H) 27.2°(V) 58.1°(D)	2.8mm 4:3 mode: 104.8°(H) 76.9°(V) 130°(D) 16:9 mode: 104.8°(H) 57.2°(V) 123°(D) 4.3mm 4:3 mode: 80°(H) 56.7°(V) 106.9°(D) 16:9 mode: 80°(H) 41.1°(V) 95.4°(D) 6.2mm 4:3 mode: 49.9°(H) 36.7°(V) 64°(D) 16:9 mode: 49.9°(H) 27.2°(V) 58.1°(D)	2.8mm 4:3 mode: 104.8°(H) 76.9°(V) 130°(D) 16:9 mode: 104.8°(H) 57.1°(V) 122.9°(D) 4.0mm 4:3 mode: 79.2°(H) 56.6°(V) 103°(D) 16:9 mode: 79.2°(H) 41.4°(V) 95.1°(D) 6.0mm 4.3 mode: 49.9°(H) 37°(V) 63.6°(D) 16:9 mode: 49.9°(H) 27.6°(V) 57.8°(D)
Min. Illumination	Colour: 0.15 lux @ F2.0 B/W: 0 lux (IR LED On)	Colour: 0.15 lux @ F2.0 B/W: 0 lux (IR LED On) (2.8 mm) Colour: 0.15 lux @ F1.6 B/W: 0 lux (IR LED On) (IR LED On) (4.3 mm) Colour: 0.15 lux @ F1.6 B/W: 0 lux (IR LED On) (6.2mm)	Colour: 0.15 lux @ F2.0 B/W: 0 lux (IR LED On) (2.8 mm) Colour: 0.15 lux @ F2.15 B/W: 0 lux (IR LED On) (IR LED On) (4.0 mm) Colour: 0.15 lux @ F2.15 B/W: 0 lux (IR LED On) (6.0mm)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	20 m / 65.6 ft (2 ea)	20 m / 65.6 ft (2 ea)	30 m / 98.4 ft (4ea)
Image Stabilizer	-	-	-
De-Fog	Yes	Yes	-
Video Out	-	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP) M-JPEG,
Intelligent Codec	Supported	Supported	Supported
Audio Compression	-	-	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	4:3 mode: 30ips: 2592 x 1944 (WDR) 16:9 mode: 30ips: 2592 x 1456 (WDR)	4:3 mode: 30ips: 2592 x 1944 (WDR) 16:9 mode: 30ips: 2592 x 1456 (WDR)	4:3 mode: 30ips: 2592 x 1944 (WDR) 16:9 mode: 30ips: 2592 x 1456 (WDR)
Ethernet	1 RJ45 (10/100BASE-T), 1 Additional RJ45 (10/100BASE-T) for PoE Extender	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTsrec)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60MB)
Edge Storage	-	-	micro SD/SDHC/SDXC, Smart Failover (Up to 512GB)
Trigger Event	Motion Detection, Tampering, Trip Zone	Motion Detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone
Audio In / Out	-	-	1 / 1
Alarm In / Out	-	-	1 / 1
Vandal Proof Casing	IK10	IK10	IK10
Outdoor Ready	IP 66	IP 66	IP67
Operating Temperature	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	70 mm X 65 mm X 197.5 mm (2.76" X 2.56" X 7.78")	70 mm X 65 mm X 197.5 mm (2.76" X 2.56" X 7.78")	75 mm x 70 mm x 195.8 mm (2.95" x 2.75" x 7.71")
Weight	0.44kg (0.97lb)	0.4kg (0.88lb)	0.66 kg (1.46 lb)
Power Source	PoE, IEEE 802.3at(Class 4)	PoE IEEE 802.3af (Class 3)	PoE (IEEE 802.3af Class 3)
Power Consumption	PoE, IEEE 802.3af (Class 3), 6.5W	PoE, IEEE 802.3at(Class 4), 25.5W (DC OUT: 42.5-57V~, 0.3A MAX)	PoE, (IEEE 802.3af Class 3), 7.9W

BULLET CAMERAS

Model Name	AI MFZ, 2MP		AI Fixed Focal, 2MP		MFZ, 2MP	
	NEW DC-T4238HRA  IDIS LightMaster NIR Full HD 2MP NDA Compliant	NEW DC-T4248HRA  IDIS LightMaster NIR Full HD 2MP NDA Compliant	NEW DC-T4218WRA (2.8mm/4.0mm)  IDIS LightMaster NIR Full HD 2MP NDA Compliant	DC-T3233HRXL  IDIS LightMaster Full HD 2MP		
Image Sensor	1/2.8" CMOS		1/2.8" CMOS		1/2" CMOS	
Max. Resolution	1920 x 1080		1920 x 1080		1920 x 1080	
Lens Type	Motorised Vari-focal		Motorised Vari-focal		Motorised Vari-focal	
Focal Length	f= 2.8 ~ 12mm		f= 7 ~ 22mm		f= 4.4 ~ 10mm	
Aperture	F1.4 ~ F3.1		F1.4 ~ F2.8		F1.2 ~ F1.95	
Iris Control	DC Iris		DC Iris		P-Iris	
Angular Field of View	Wide: 105.7°(H) 55.3°(V) 126.4°(D) Tele: 34°(H) 19.1°(V) 39.1°(D)		Wide: 40.5°(H), 22°(V), 47.3°(D) Tele: 16.8°(H), 9.5°(V), 19.3°(D)		Wide: 91.5°(H), 48.4°(V), 109°(D) Tele: 43.4°(H), 24.2°(V), 49.9°(D)	
Min. Illumination	Colour: 0.1 lux @ F1.4 B/W: 0 lux (IR LED On)		Colour: 0.1 lux @ F1.4 B/W: 0 lux (IR LED On)		Colour: 0.01 lux @ F1.2 B/W: 0 lux (IR LED On)	
Dynamic Range	120dB (True WDR)		120dB (True WDR)		120dB (True WDR)	
Day and Night	Yes (ICR)		Yes (ICR)		Yes (ICR)	
IR Distance (LEDs)	50 m / 164 ft (6 ea)		50 m / 164 ft (6 ea)		30 m / 98.4 ft (10 ea)	
Image Stabilizer	-		-		-	
De-Fog	Yes		Yes		Yes	
Video Out	-		-		1 CVBS	
Video Compression	H.265, H.264 (MP) M-JPEG		H.265, H.264 (MP) M-JPEG		H.265, H.264 (MP), M-JPEG	
Intelligent Codec	Supported		Supported		Supported	
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law		ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law		ADPCM 16 K, G.726, G.711 u-Law, G.711 a-Law	
Max. Frame Rate	60ips: 1920 x 1080 30ips: 1920 x 1080 (WDR)		60ips: 1920 x 1080 30ips: 1920 x 1080 (WDR)		60ips: 1920 x 1080 30ips: 1920 x 1080 (WDR)	
Ethernet	RJ45 (10/100BASE-T)		RJ45 (10/100BASE-T)		RJ45 (10/100/1000BASE-T)	
Recording Session Buffer (NLTsrec)	Yes (Up to 60MB)		Yes (Up to 60MB)		Yes (Up to 60 MB)	
Edge Storage	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)		micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)		micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	
Trigger Event	Motion Detection, Alarm in, Audio detection, Tampering, Object Detection, Intrusion, Loitering, Line Crossing, Face Detection		Motion Detection, Alarm in, Audio detection, Tampering, Object Detection, Intrusion, Loitering, Line Crossing, Face Detection		Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	
Audio In / Out	1 / 1		1 / 1		1 / 1	
Alarm In / Out	1 / 1		1 / 1		1 / 1	
Vandal Proof Casing	IK10		IK10		IK10	
Outdoor Ready	IP67, Heater		IP67, Heater		IP67, Heater	
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F) *Starting up at above -20°C (-4°F)		-40°C ~ +60°C (-40°F ~ +140°F) *Starting up at above -20°C (-4°F)		-40°C ~ +60°C (-40°F ~ +140°F) *Starting up at above -20°C (-4°F)	
Dimensions (W x H x D)	89.3mm X 89.3mm X 277.6mm (3.52" x 3.52" x 10.93")		89.3mm X 89.3mm X 277.6mm (3.52" x 3.52" x 10.93")		Ø73.5mm x 308.5mm (Ø2.9" x 12.15")	
Weight	1.293kg (2.85lb)		1.293kg (2.85 lb)		1.17 kg (2.58 lb)	
Power Source	12VDC, PoE IEEE 802.3af (Class 3)		12VDC, PoE IEEE 802.3af (Class 3)		PoE IEEE 802.3af (Class 3)	
Power Consumption	12V=, 1.1A, 13.2W PoE, IEEE 802.3af (Class 3), 8.3W		12V=, 1.1A, 13.2W PoE, IEEE 802.3af (Class 3), 8.3W		PoE, IEEE 802.3af (Class 3), 8.2W 12V=, 0.8A, 9.6W PoE, IEEE 802.3af (Class 3)	

BULLET CAMERAS

Model Name	MFZ, 2MP		FIXED, 2MP	
	DC-T4236HRX	DC-T4236WRX	DC-E4216WRX (2.8mm)	DC-T4217WRX (2.8mm/4.0mm/6.0mm)
	 	 	 	 
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Motorised Vari-focal	Motorised Vari-focal	Fixed-focal	Fixed-focal
Focal Length	f= 2.8 ~ 12mm	f= 2.8 ~ 12mm	f= 2.8mm	f= 2.8mm / 4.0mm / 6.0mm
Aperture	F1.4 ~ F2.8	F1.4 ~ F2.8	F2.0	F 2.0 (2.8 mm) / F 1.6 (4.0 mm, 6.0 mm)
Iris Control	DC Iris	DC Iris	Fixed Iris	Fixed Iris
Angular Field of View	Wide: 98°(H) 51°(V) 116°(D) Tele: 33°(H) 19°(V) 38°(D)	Wide: 98°(H) 51°(V) 116°(D) Tele: 33°(H) 19°(V) 38°(D)	111.6°(H), 61.5°(V), 127.3°(D)	111.6°(H), 61.45°(V), 127.3°(D) (f = 2.8 mm) 87.4°(H), 46.9°(V), 103.5°(D) (f = 4.0 mm) 53.5°(H), 29.5°(V), 62.1°(D) (f = 6.0 mm)
Min. Illumination	Colour: 0.1 lux @ F1.4 B/W: 0 lux (IR LED On)	Colour: 0.1 lux @ F1.4 B/W: 0 lux (IR LED On)	Colour: 0.1 lux @ F2.0 B/W: 0 lux (IR LED On)	Colour: 0.1 Lux @ F2.0 / B/W: 0 Lux (IR LED On) (2.8 mm) Colour: 0.07 Lux @ F1.6 / B/W: 0 Lux (IR LED On) (4.0 mm) Colour: 0.07 Lux @ F1.6 / B/W: 0 Lux (IR LED On) (6.0 mm)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	30 m / 98.4 ft (6 ea)	30 m / 98.4 ft (6 ea)	30 m / 98.4 ft (4 ea)	20m / 65.6 ft (2 ea)
Image Stabilizer	-	-	-	-
De-Fog	Yes	Yes	Yes	Yes
Video Out	-	-	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP) M-JPEG,	H.265, H.264 (MP) M-JPEG,
Intelligent Codec	Supported	Supported	Supported	Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16 K, G.726, G.711 u-Law, G.711 a-Law	-
Max. Frame Rate	30ips: 1920 x 1080 (WDR)	30 ips: 1920 x 1080 (WDR)	30 ips: 1920 x 1080 (WDR)	30 ips: 1920 x 1080
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTsrec)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	-
Trigger Event	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone	Motion Detection, Tampering, Trip Zone
Audio In / Out	1 / 1	1 / 1	1 / 1	-
Alarm In / Out	1 / 1	1 / 1	1 / 1	-
Vandal Proof Casing	IK10	IK10	IK10	IK 10
Outdoor Ready	IP67, Heater	IP67	IP67	IP 66
Operating Temperature	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	Ø77mm X 244.1mm (Φ 3" x 9.61")	Ø77 mm X 244.1 mm (Ø3.0" x 9.61")	75mm x 70mm x 195.8mm (2.95" x 2.75" x 7.7")	70 mm x 65 mm x 182.7 mm (2.75" x 2.56" x 7.2")
Weight	0.84kg (1.85 lb)	0.84 kg (1.85lb)	0.655 kg (1.44lb)	0.340 Kg (0.75 lb)
Power Source	12VDC, PoE, IEEE 802.3af (Class 3)	12VDC, PoE, IEEE 802.3af(Class 3)	PoE IEEE 802.3 af (Class 2)	PoE IEEE 802.3 af (Class 2)
Power Consumption	12V=, 0.78A, 9.3W PoE, IEEE 802.3af (Class 3), 8.5W	12V=, 0.78A, 9.3W PoE, IEEE 802.3af (Class 3), 8.5W	PoE, IEEE 802.3 af (Class 2), 6.1 W	PoE, IEEE 802.3 af (Class 2), 5.4 W

IDIS SUPER FISHEYE CAMERAS



360°

Dual Side Dewarping
Mobile Dewarping
Smooth Dewarping

Introducing the IDIS Super Fisheye, featuring groundbreaking dual side dewarping, outstanding panoramic image quality and fast, simple plug-and-play installation to deliver the ultimate in surveillance efficiency and performance.



FISHEYE CAMERAS

Model Name	Fixed Focal, 12MP	Fixed Focal, 5MP	
	DC-Y6C16WRX	DC-Y6S16WRX	DC-Y6S16X
	 12MP NDAA Compliant	 5MP NDAA Compliant	 5MP NDAA Compliant
Image Sensor	1/2.3" 12MP CMOS	1/1.8" CMOS	1/1.8" CMOS
Max. Resolution	2944 x 2944	2560 x 2048	2560 x 2048
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal
Focal Length	f = 1.6 mm	f = 1.5 mm	f=1.5 mm
Aperture	F 2.0	F 1.8	F 1.8
Iris Control	Fixed Iris	Fixed Iris	Fixed Iris
Angular Field of View	180° (H), 180° (V), 180° (D)	180° (H), 180° (V), 180° (D)	180° (H), 180° (V), 180° (D)
Min. Illumination	Colour: 0.3 Lux @ F 2.0 B/W: 0 Lux (IR LED On)	Colour: 0.15 Lux @ F 1.8 B/W: 0 Lux (IR LED On)	Colour: 0.15 lux @ F1.8 B/W: 0.015 lux @ F1.8
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	15 m / 49.2 ft (4 ea)	20 m / 65.6 ft (4 ea)	-
De-fog	Yes	Yes	Yes
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone, Heatmap	Video Motion Detection, Active Tampering Alarm, Trip Zone, Heatmap	Video Motion Detection, Active Tampering Alarm, Trip Zone, Heatmap
Viewing Composition	1O, 1P, 1P2R, 2P, 4R, 1O7R	1O, 1P, 1P2R, 2P, 4R, 1O7R	1O
Video Out	-	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported	Supported
Audio Compression	ADPCM 16 K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16 K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16 K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30 ips: 2944 x 2944 15 ips: 2944 x 2944 (WDR)	30 ips: 2560 x 2048 (WDR)	30 ips: 2560 x 2048 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ 45 (10/100BASE-T)
Recording Session Buffer (NLTsrec)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)
Trigger Event	Motion Detection, Alarm In, Audio Detection Tampering, Trip Zone, Heatmap	Motion Detection, Alarm In, Audio Detection Tampering, Trip Zone, Heatmap	Motion Detection, Alarm In, Audio Detection Tampering, Trip Zone, Heatmap
Audio In / Out	1 (Built In MIC) +1 / 1	1 (Built In MIC) +1 / 1	1 (Built In MIC) +1 / 1
Alarm In / Out	1 / 1	1 / 1	1 / 1
Vandal Resistance	IK 10	IK 10	-
Outdoor Ready	IP 67	IP 67	-
Operating Temperature	-30°C ~ 50°C (22°F ~ 122°F) *Starting up at above 0°C (32°F)	-30°C ~ 50°C (-22°F ~ 122°F) *Starting up at above 0°C (32°F)	-10°C ~ 50°C (-22°F ~ 122°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	Ø135 x 56.9 mm (Ø5.31" x 2.24")	Ø135 x 56.9 mm (Ø5.31" x 2.24")	Ø122 x 35.8 mm (Ø4.80" x 1.40")
Weight	0.67 kg (1.47 lb)	0.67 kg (1.47 lb)	0.280 kg (0.62 lb)
Power Source	12 VDC, PoE IEEE 802.3 af (Class 3)	12 VDC, PoE (IEEE 802.3 af Class 3)	PoE (IEEE 802.3 af Class 2)
Power Consumption	12 V=, 0.94 A, 11.3W PoE, IEEE 802.3 af (Class 3), 10.6W	12V=, 0.92 A, 11W PoE (IEEE 802.3 af Class 3), 10.3W	PoE (IEEE 802.3 af Class 2), 5.6W

THE ALL-NEW EDGE AI PTZ CAMERA

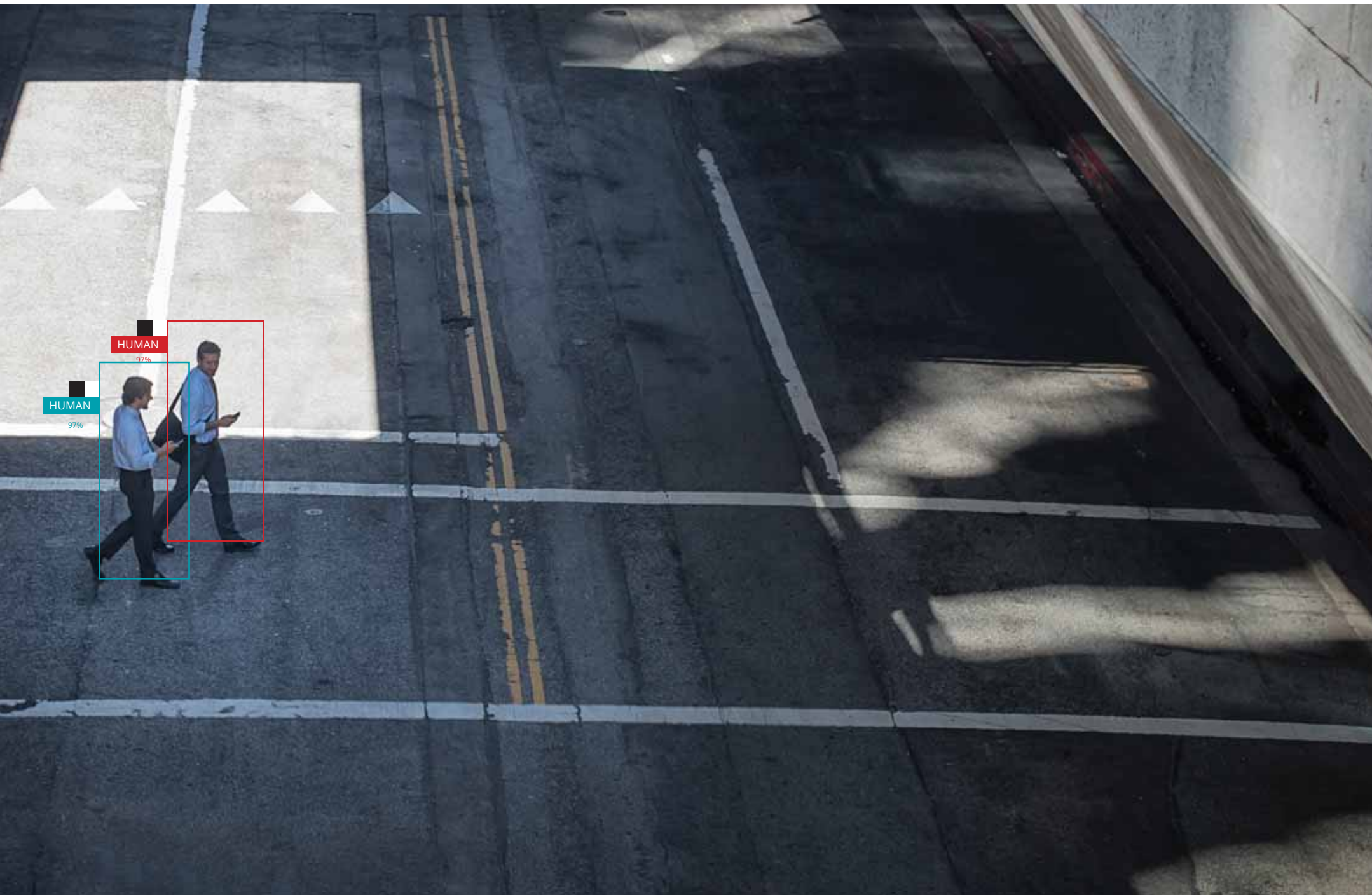
An AI PTZ That Automatically
Tracks Suspicious Individuals
or Objects

NIR

DC-S6481HRA

The IDIS PTZ AI camera features automatic tracking based on pre-set events with the ability to track selected persons of interest or objects, enabling effortless and accurate surveillance operations to proactively strengthen security.





SPEED DOME CAMERAS

	AF Zoom, 8MP, 31x		AF Zoom, 6MP, 31x	
	NEW	DC-S6882WR	NEW	DC-S6682WR
Model Name	 		 	
Image Sensor	1/1.8" CMOS		1/1.8" CMOS	
Max. Resolution	3840 x 2160		3328 x 1872	
Lens Type	AF Zoom Lens		AF Zoom Lens	
Focal Length	f = 6.91 ~ 214.64 mm		f = 6.91 ~ 214.64mm	
Aperture	F1.36 ~ F4.6		F1.36 ~ F4.6	
Iris Control	P-Iris		P-Iris	
Angular Field of View	Wide : 61.8°(H), 36.3°(V), 70.3°(D) Tele : 2.3°(H), 1.3°(V), 2.6°(D)		Wide : 61.8°(H), 36.3°(V), 70.3°(D) Tele : 2.3°(H), 1.3°(V), 2.6°(D)	
Min. Illumination	Colour : 0.13 lux @ F1.36 B/W : 0 lux (IR LED On)		Colour : 0.13 lux @ F1.36 B/W : 0 lux (IR LED On)	
Dynamic Range	120 dB (True WDR)		120 dB (True WDR)	
IR Distance (LEDs)	300 m / 984.3 ft (2 ea)		300 m/984.3ft (2ea)	
Image Stabilizer	Yes (EIS)		Yes (EIS)	
De-fog	Yes		Yes	
Auto Tracking	-		-	
Video Out	1 Terminal Block		1 Terminal Block	
Video Compression	H.265, H.264 (MP), M-JPEG		H.265, H.264 (MP), M-JPEG	
Intelligent Codec	Supported		Supported	
Audio Compression	ADPCM 16 K, G.726, G.711 u-Law, G.711 a-Law		ADPCM 16 K, G.726, G.711 u-Law, G.711 a-Law	
Max. Frame Rate	30 ips: 3840 x 2160 (WDR)		30ips : 3328 x 1872(WDR)	
Ethernet	RJ 45 (10/100 BASE-T)		RJ 45 (10/100 BASE-T)	
Recording Session Buffer (NLTSec)	Yes (Up to 60 MB)		Yes (Up to 60 MB)	
Edge Storage	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)		micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	
Trigger Event	Motion Detection, Alarm In, Audio Detection Tampering, Trip Zone, System Status		Motion Detection, Alarm In, Audio Detection Tampering, Trip Zone, System Status	
Audio In / Out	1 / 1		1 / 1	
Alarm In / Out	8 / 2		8 / 2	
Vandal Proof Casing	IK10		IK10	
Outdoor Ready	IP66, , Heater		IP66, Heater	
Operating Temperature	-40°C ~ +55°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)		-40°C ~ +55°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	
Dimensions (W x H x D)	Ø242.0 mm x 401.8mm (Ø9.52" x 15.82")		Ø242mm x 401.8mm (Ø9.52" x 15.82")	
Weight	7.4kg (16.31 lb)		7.4 kg (16.31 lb)	
Power Source	24VAC, PoE (IEEE 802.3bt, Class 8)		24VAC, PoE (IEEE 802.3bt, Class 8)	
Power Consumption	HEATER, IR LED OFF 24VAC, 1.6A, 28.0W, 50/60Hz PoE, IEEE 802.3bt(Class 8), 28.4W HEATER, IR LED ON 24VAC, 2.8A, 52.9W, 50/60Hz PoE, IEEE 802.3bt(Class 8), 53.1W		HEATER, IR LED OFF 24VAC, 1.6A, 28.0W, 50/60Hz PoE, IEEE 802.3bt(Class 8), 28.4W HEATER, IR LED ON 24VAC, 2.8A, 52.9W, 50/60Hz PoE, IEEE 802.3bt(Class 8), 53.1W	

About IDIS

IDIS Technology

IDIS LightMaster NIR

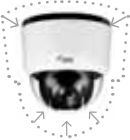
AV Costar Products



IDIS & AV Costar Camera Mounts

IDIS TECHNOLOGY LINEUP 2025 _ 67

SPEED DOME CAMERAS

Model Name	AF Zoom, 2MP, 12x
	DC-S6261X
  	
Image Sensor	1/2.8" CMOS
Max. Resolution	1920 x 1080
Lens Type	AF Zoom Lens
Focal Length	f = 5.3 - 64 mm
Aperture	F1.6 - 2.8
Iris Control	DC Auto Iris (Hall Sensor)
Angular Field of View	Wide: 58.2° (H), 34° (V), 65.3° (D) Tele: 4.83° (H), 2.8° (V), 5.7° (D)
Min. Illumination	Colour: 0.1 Lux @ F1.6 B/W: 0.01 Lux @ F1.6
Dynamic Range	120dB (True WDR)
IR Distance (LEDs)	-
Image Stabilizer	Yes (EIS)
De-fog	Yes
Auto Tracking	-
Video Out	-
Video Compression	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30fps: 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100 BASE-T)
Recording Session Buffer (NLTSec)	Yes (Up to 60MB)
Edge Storage	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)
Trigger Event	Motion Detection Alarm In Audio Detection Tampering Trip Zone
Audio In / Out	1 / 1
Alarm In / Out	1 / 1
Vandal Proof Casing	-
Outdoor Ready	-
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	Ø155 mm x 158.1 mm (Ø6.1" x 6.22")
Weight	1.0 kg (2.20 lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12VDC, 9.2W PoE (IEEE 802.3af Class 3), 10W

IDIS Compact PTZ Camera

2MP

Compact Design & Easy Installation

DC-S6261X

A practical, compact, easy-to-install PTZ dome with high-performance and smart functions for optimal monitoring and image capture.



SPEED DOME CAMERAS

Model Name	MFZ, 2MP, 30x	MFZ, 2MP, 30x Flush
	DC-S6281HX	DC-S6281FX
	 	 
Image Sensor	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080
Lens Type	AF Zoom Lens	AF Zoom Lens
Focal Length	f = 5.2 mm ~ 156 mm	f = 5.2 mm ~ 156 mm
Aperture	F1.33 ~ F4.95	F1.33 ~ F4.95
Iris Control	DC Auto Iris (Hall Sensor)	DC Auto Iris (Hall Sensor)
Angular Field of View	Wide: 58.9° (H), 34.4° (V), 66.3° (D) Tele: 2.7° (H), 1.5° (V), 3.1° (D)	Wide: 58.9° (H), 34.4° (V), 66.3° (D) Tele: 2.7° (H), 1.5° (V), 3.1° (D)
Min. Illumination	Colour: 0.1 lux @ F1.33 B/W: 0.01 lux @ F1.33	Colour: 0.1 lux @ F1.33 B/W: 0.01 lux @ F1.33
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)
IR Distance (LEDs)	-	-
Image Stabilizer	Yes (EIS)	Yes (EIS)
De-fog	Yes	Yes
Auto Tracking	-	-
Video Out	1 Terminal Block	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported
Audio Compression	ADPCM 16 K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16 K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30 ips: 1920 x 1080 (WDR)	30 ips: 1920 x 1080 (WDR)
Ethernet	RJ 45 (10/100 BASE-T)	RJ 45 (10/100 BASE-T)
Recording Session Buffer (NLTSec)	Yes (Up to 60 MB)	Yes (Up to 60 MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	micro SD/SDHC/SDXC, Smart Failover (Up to 512 GB)
Trigger Event	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Alarm In Audio Detection Tampering Trip Zone
Audio In / Out	1 / 1	1 / 1
Alarm In / Out	4 / 2	4 / 2
Vandal Proof Casing	IK 10	-
Outdoor Ready	IP 67, Heater	-
Operating Temperature	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	Ø200 mm x 201 mm (Ø7.88" x 7.91")	Ø226.5 mm x 203.5 mm (Ø8.92" x 8.01")
Weight	2.54 kg (5.60 lb)	1.82 kg (4.01 lb)
Power Source	24VAC, PoE IEEE 802.3at (Class 4)	24 VAC, PoE IEEE 802.3 at (Class 4)
Power Consumption	Heater Off 24 V~, 0.8 A, 13.8W, 50/60 Hz PoE, IEEE 802.3 at (Class 4), 13.6W Heater On 24 V~, 1.0 A, 17.6W, 50/60 Hz PoE, IEEE 802.3 at (Class 4), 17.2W	24 V~, 0.8 A, 13.8W, 50/60 Hz PoE, IEEE 802.3 at (Class 4), 13.6W

IDIS BANKING SOLUTIONS

High-performance surveillance for branches and ATMs

True plug-and-play technology really becomes a force-multiplier when it comes to saving time and money during both installation and maintenance when solutions involve hundreds and even thousands of ATMs.



COVERT MODULAR CAMERAS

Model Name	2MP Modular Covert Camera	
	DC-V4212XJ (2.4mm)	DC-V4212XJ (4.3mm)
	 	 
Image Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor
Max. Resolution	1920x1080	1920x1080
Scanning Mode	Progressive Scan	Progressive Scan
Lens Type	Fixed-focal	Fixed-focal
Focal Length	f=2.4 mm	f=4.3 mm
Aperture	F=2.0	F=2.0
Iris Control	Fixed Iris	Fixed Iris
Angular Field of View	132.5°(H), 72.7°(V), 154.7°(D)	81.6°(H), 42.3°(V), 99°(D)
Min. Illumination	Colour: 0.1 lux B/W: 0.01 lux	Colour: 0.1 lux B/W: 0.01 lux
Dynamic Range	More than 70 dB	More than 70 dB
Day and Night	Electrical	Electrical
IR Distance (LEDs)	-	-
Video Out	-	-
Video Compression	H.264 (MP), M-JPEG, H.265	H.264 (MP), M-JPEG, H.265
Intelligent Codec	Supported	Supported
Audio Compression	G.726, G.711 u-Law, G.711 a-Law	G.726, G.711 u-Law, G.711 a-Law
Two-way Audio	Yes	Yes
Max. Frame Rate	30 ips: 1920 x 1080 (WDR)	30 ips: 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)
Recording Session Buffer (NLTsrec)	Yes (Up to 60 MB)	Yes (Up to 60 MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)
Trigger Event	Motion Detection Alarm in Audio detection Tampering Trip Zone	Motion Detection Alarm in Audio detection Tampering Trip Zone
Audio In / Out	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input1ea / Output 1ea	Input1ea / Output 1ea
Vandal Proof Casing	-	-
Outdoor Ready	-	-
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D) Main Module	153 mm x 36.5 mm x 132.7 mm (6.02" x 1.44" x 5.22")	153 mm x 36.5 mm x 132.7 mm (6.02" x 1.44" x 5.22")
Dimensions (W x H x D) Camera Module	Main Unit: 153mm x 36.5mm x 132.7mm (6.02" x 1.44" x 5.22") Camera Unit: 37(W) x 37(H) x 26.3(D) mm (1.46" x 1.46" x 1.04") Body Only 58(W) x 45(H) x 55.3(D) mm (2.28" x 1.77" x 2.18") - With Bracket	Main Unit: 153mm x 36.5mm x 132.7mm (6.02" x 1.44" x 5.22") Camera Unit: 37(W) x 37(H) x 26.3(D) mm (1.46" x 1.46" x 1.04") Body Only 58(W) x 45(H) x 55.3(D) mm (2.28" x 1.77" x 2.18") - With Bracket
Weight	Main Unit: 0.47kg (1.04 lb) Camera Unit: 0.06kg (0.13 lb)	Main Unit: 0.47kg (1.04 lb) Camera Unit: 0.06kg (0.13 lb)
Power Source	12 VDC, PoE IEEE 802.3 at (Class 4)	12 VDC, PoE IEEE 802.3 at (Class 4)
Power Consumption	12 V=, 0.42 A, 5.04 W PoE, IEEE 802.3 at(Class 4), 6.3 W	12 V=, 0.42 A, 5.04 W PoE, IEEE 802.3 at(Class 4), 6.3 W

IDIS LITE SERIES

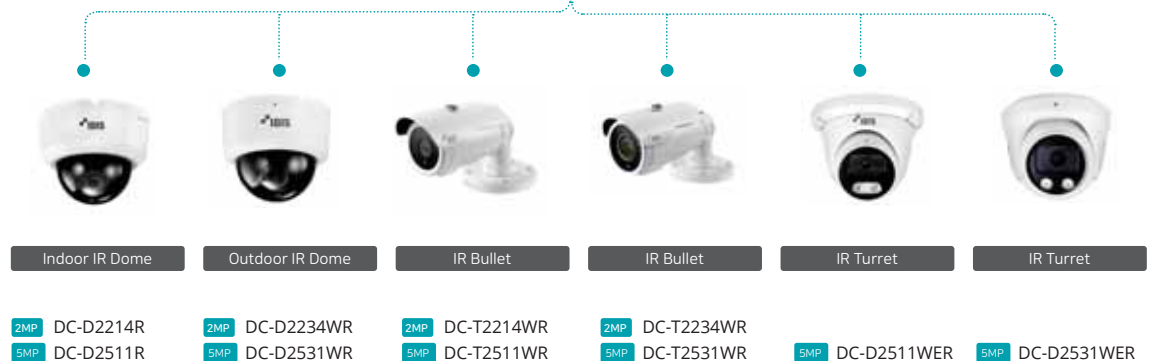
New Cost-Effective Form Factor
Cameras

IDIS Lite Series

Packed with essential, easy-to-use, and high-performance features, the IDIS Lite Series features 4-64 channel network recorders and a choice of network cameras. The IDIS Lite Protocol provides high-resolution image quality using SONY Starvis sensors and seamless streaming technology for real-time surveillance and recording.



IDIS Lite Protocol



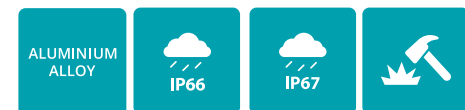
New IDIS Lite Protocol enhances compatibility with IDIS's recording solutions

IDIS Lite Protocol

Using IDIS NVRs, customers can benefit from fast and cost-effective installation and an optimised user-friendly interface. The IDIS Lite Protocol enables easy and rapid installation for installers, and benefits end users with the rich connectivity of IDIS products. This affordable IDIS offering uses an innovative approach to surveillance – one that is click-and-play, single-source, and extends ONVIF compatibility - comprising a robust and high-performance range of cameras with associated brackets and NVRs.



Robust aluminium alloy body, vandal resistant, and weatherproof



The IDIS Lite Camera series consists of an aluminium alloy body, vandal proof glass including dome cameras that benefit from a patented design that eliminates IR reflection without bubbles. Certified for the highest levels of durability, the IDIS Lite dome cameras provide reliable surveillance even in the harshest environments.

Model Name	FIXED, 2MP	MFZ, 2MP	FIXED, 2MP	MFZ, 2MP
	DC-D2214R	DC-D2234WR	DC-T2214WR	DC-T2234WR
	 Full HD 2MP NDA Compliant	 Full HD 2MP NDA Compliant	 Full HD 2MP NDA Compliant	 Full HD 2MP NDA Compliant
Image Sensor	1/2.8" SONY IMX 307 Starvis CMOS Sensor	1/2.8" SONY IMX 307 Starvis CMOS Sensor	1/2.8" SONY IMX 307 Starvis CMOS Sensor	1/2.8" SONY IMX 307 Starvis CMOS Sensor
Total Number of Pixels	1945 x 1109	1945 x 1109	1945 x 1109	1945 x 1109
Scanning Mode	Progressive Scan	Progressive Scan	Progressive Scan	Progressive Scan
Lens Type	Fixed-focal	MFZ Lens	Fixed-focal	MFZ Lens
Focal Length	f = 2.8mm	f=2.7-13.5mm	f = 2.8mm	f=2.7-13.5mm
F No.	F 1.6	F=1.6-3.3±10%	F 1.6	F=1.6-3.3±10%
Iris Control	Fixed	Fixed	Fixed	Fixed
Field of View	127.9°(D), 106.9°(H), 56.9°(V)	130.9°(D), 108.1°(H), 56.3°(V)	127.9°(D), 106.9°(H), 56.9°(V)	130.9°(D), 108.1°(H), 56.3°(V)
Shutter Speed Control	Min. 1/100,000 sec ~ Max. 1/2 sec	Min. 1/100,000 sec ~ Max. 1/2 sec	Min. 1/100,000 sec ~ Max. 1/2 sec	Min. 1/100,000 sec ~ Max. 1/2 sec
Day and Night Mode	Auto / Day (Colour) / Night (BW) / External	Auto / Day (Colour) / Night (BW) / External	Auto / Day (Colour) / Night (BW) / External	Auto / Day (Colour) / Night (BW) / External
Infrared Distance	25 m	25 m	25 m	30m
Auto White Balance Mode	Automatic, Manual	Automatic, Manual	Automatic, Manual	Automatic, Manual
Noise Reduction	2DNR / 3DNR	2DNR / 3DNR	2DNR / 3DNR	2DNR / 3DNR
Backlight Correction	WDR	WDR	WDR	WDR
Video Compression	H.265 Main profile, H.264 (High, Main, Base line profile), MJPEG	H.265 Main profile, H.264 (High, Main, Base line profile), MJPEG	H.265 Main profile, H.264 (High, Main, Base line profile), MJPEG	H.265 Main profile, H.264 (High, Main, Base line profile), MJPEG
SDK Support	API, ONVIF Profile S/T Compliant	API, ONVIF Profile S/T Compliant	API, ONVIF Profile S/T Compliant	API, ONVIF Profile S/T Compliant
Video Frame Rate	Up to 30fps @ 1920 x 1080p	Up to 30fps @ 1920 x 1080p	Up to 30fps @ 1920 x 1080p	Up to 30fps @ 1920 x 1080p
Video Resolution	1920 x 1080, 1280 x 720, 1024 x 576, 768 x 432, 704 x 392, 640 x 360, 384 x 216	1920 x 1080, 1280 x 720, 1024 x 576, 768 x 432, 704 x 392, 640 x 360, 384 x 216	1920 x 1080, 1280 x 720, 1024 x 576, 768 x 432, 704 x 392, 640 x 360, 384 x 216	1920 x 1080, 1280 x 720, 1024 x 576, 768 x 432, 704 x 392, 640 x 360, 384 x 216
Video Streaming (3 Streaming)	Simultaneously H.265 and MJPEG (Multi Streaming) or Simultaneously H.264 and MJPEG (Multi Streaming) Independent Frame Rate and Bandwidth Control, VBR/CBR Mode			
Protocols	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf
Security	Multi User Authority, IP Filtering, HTTPS	Multi User Authority, IP Filtering, HTTPS	Multi User Authority, IP Filtering, HTTPS	Multi User Authority, IP Filtering, HTTPS
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Edge Storage	Micro SDHC/SDXC	Micro SDHC/SDXC	Micro SDHC/SDXC	Micro SDHC/SDXC
Event In	On boot/Trigger/Network Loss/ Tampering/Motion	On boot/Trigger/Network Loss/ Tampering/Motion	On boot/Trigger/Network Loss/ Tampering/Motion	On boot/Trigger/Network Loss/ Tampering/Motion
Event Out Notification	E-mail, FTP	E-mail, FTP	E-mail, FTP	E-mail, FTP
Audio	-	Line-In/Line-Out	-	Line-In/Line-Out
Alarm Control	-	Alarm-In 1/Alarm-Out 1	-	Alarm-In 1/Alarm-Out 1
Vandal Proof Casing	-	IK10	IK10	IK10
Outdoor Ready	IP67	IP67	IP67	IP67
Operation Temperature	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C
Operation Humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%
Power Source	DC 12V, PoE (IEEE 802.3af Class 2)	DC 12V, PoE (IEEE 802.3af Class 2)	DC 12V, PoE (IEEE 802.3af Class 2)	DC 12V, PoE (IEEE 802.3af Class 2)
Power Consumption	4.6W	5.72W	4.4W	5.93W
Approval	KC, CE, FCC	KC, CE, FCC	KC, CE, FCC	KC, CE, FCC
Dimension	Ø111.9 x 88.2 (H)mm	Ø130 x 110 (H)mm	73.8mm x 69.1mm x 210.4mm	79.3mm x 77.5mm x 212mm

Korean-Made Video Tech That Users Can Trust



Made in **KOREA**

IDIS Lite Series of click-and-play, video surveillance products come with the assurance of Korean-made high-performance and robust technology that is NDAA-compliant.



TURRET CAMERAS

IDIS Lite Series

Model Name	FIXED, 5MP	MFZ, 5MP
	DC-D2511WER	DC-D2531WER
	 	 
Image Sensor	1/2.8" SONY IMX 335 Starvis CMOS Sensor	1/2.8" SONY IMX 335 Starvis CMOS Sensor
Total Number of Pixels	2704 x 2104	2704 x 2104
Scanning Mode	Progressive Scan	Progressive Scan
Lens Type	Fixed Lens	MFZ Lens
Focal Length	f= 2.8mm	f = 2.7-13.5mm
F No.	F=1.6	F=1.6-3.3±10%
Iris Control	Fixed	Fixed
Field of View	127.9°(D), 106.9°(H), 56.9°(V)	130.9°(D), 108.1°(H), 56.3°(V)
Shutter Speed Control	Min. 1/100,000 sec ~ Max. 1/2 sec	Min. 1/100,000 sec ~ Max. 1/2 sec
Day and Night Mode	Auto/Day(Colour)/Night(BW)/External	Auto / Day (Colour) / Night (BW) / External
Infrared Distance	20 m	25 m
Auto White Balance Mode	Automatic, Manual	Automatic, Manual
Noise Reduction	2DNR / 3DNR	2DNR / 3DNR
Backlight Correction	WDR	WDR
Video Compression	H.265 Main profile, H.264 (High, Main, Base line profile), MJPEG	H.265 Main profile, H.264 (High, Main, Base line profile), MJPEG
SDK Support	API, ONVIF Profile S/T Compliant	API, ONVIF Profile S/T Compliant
Video Frame Rate	Up to 30fps@ 2592 x 1944p	Up to 30fps @ 2592 x 1944p
Video Resolution	2592 x 1944, 2560 x 1920, 2048 x 1536, 1920 x 1440, 1600 x 1200, 1280 x 960, 640 x 480, 480 x 360	2592 x 1944, 2560 x 1920, 2048 x 1536, 1920 x 1440, 1600 x 1200, 1280 x 960, 640 x 480, 480 x 360
Video Streaming (3 Streaming)	Simultaneously H.265 and MJPEG (Multi Streaming) or Simultaneously H.264 and MJPEG (Multi Streaming) Independent Frame Rate and Bandwidth Control, VBR/CBR Mode	
Protocols	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf
Security	Multi User Authority, IP Filtering, HTTPS	Multi User Authority, IP Filtering, HTTPS
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Edge Storage	Micro SDHC/SDXC	Micro SDHC/SDXC
Event In	On boot/Trigger/Network Loss/Tampering/Motion	On boot/Trigger/Network Loss/Tampering/Motion
Event Out Notification	E-mail, FTP	E-mail, FTP
Audio	Line-In/Line-Out	Line-In / Line-Out
Alarm Control	Alarm-In 1/Alarm-Out 1	Alarm-In 1 / Alarm-Out 1
Vandal Proof Casing	IK10	IK10
Outdoor Ready	IP67	IP67
Operation Temperature	-10°C ~ +50°C	-10°C ~ +60°C
Operation Humidity	0% ~ 95%	0% ~ 95%
Power Source	DC 12V, PoE (IEEE 802.3af Class 2)	DC 12V, PoE (IEEE 802.3af Class 2)
Power Consumption	3.82W	6.1W
Approval	KC, CE, FCC	KC, CE, FCC
Dimension	Ø125.0 x 90.2 (H)mm	Ø128 x 108 (H)mm

Model Name	FIXED, 5MP	MFZ, 5MP	FIXED, 5MP	MFZ, 5MP
	DC-D2511R	DC-D2531WR	DC-T2511WR	DC-T2531WR
	 Full HD 5MP NDAA Compliant	 Full HD 5MP NDAA Compliant	 Full HD 5MP NDAA Compliant	 Full HD 5MP NDAA Compliant
Image Sensor	1/2.8" SONY IMX 335 Starvis CMOS Sensor	1/2.8" SONY IMX 335 Starvis CMOS Sensor	1/2.8" SONY IMX 335 Starvis CMOS Sensor	1/2.8" SONY IMX 335 Starvis CMOS Sensor
Total Number of Pixels	2704 x 2104	2704 x 2104	2704 x 2104	2704 x 2104
Scanning Mode	Progressive Scan	Progressive Scan	Progressive Scan	Progressive Scan
Lens Type	Fixed-focal	MFZ Lens	Fixed-focal	MFZ Lens
Focal Length	f = 2.8mm	f=2.7-13.5mm	f = 2.8mm	f=2.7-13.5mm
F No.	F 1.6	F=1.6-3.3±10%	F 1.6	F=1.6-3.3±10%
Iris Control	Fixed	Fixed	Fixed	Fixed
Field of View	127.9°(D), 106.9°(H), 56.9°(V)	130.9°(D), 108.1°(H), 56.3°(V)	127.9°(D), 106.9°(H), 56.9°(V)	130.9°(D), 108.1°(H), 56.3°(V)
Shutter Speed Control	Min. 1/100,000 sec ~ Max. 1/2 sec	Min. 1/100,000 sec ~ Max. 1/2 sec	Min. 1/100,000 sec ~ Max. 1/2 sec	Min. 1/100,000 sec ~ Max. 1/2 sec
Day and Night Mode	Auto / Day (Colour) / Night (BW) / External	Auto / Day (Colour) / Night (BW) / External	Auto / Day (Colour) / Night (BW) / External	Auto/Day(Colour)/Night(BW)/External
Infrared Distance	25 m	25 m	25 m	30m
Auto White Balance Mode	Automatic, Manual	Automatic, Manual	Automatic, Manual	Automatic, Manual
Noise Reduction	2DNR / 3DNR	2DNR / 3DNR	2DNR / 3DNR	2DNR / 3DNR
Backlight Correction	WDR	WDR	WDR	WDR
Video Compression	H.265 Main profile, H.264 (High, Main, Base line profile), MJPEG	H.265 Main profile, H.264 (High, Main, Base line profile), MJPEG	H.265 Main profile, H.264 (High, Main, Base line profile), MJPEG	H.265 Main profile, H.264 (High, Main, Base line profile), MJPEG
SDK Support	API, ONVIF Profile S/T Compliant	API, ONVIF Profile S/T Compliant	API, ONVIF Profile S/T Compliant	API, ONVIF Profile S/T Compliant
Video Frame Rate	Up to 30fps@2592 x 1944p	Up to 30fps@ 2592 x 1944p	Up to 30fps@ 2592 x 1944p	Up to 30fps@ 2592 x 1944p
Video Resolution	2592 x 1944, 2560 x 1920, 2048 x 1536, 1920 x 1440, 1600 x 1200, 1280 x 960, 640 x 480, 480 x 360	2592 x 1944, 2560 x 1920, 2048 x 1536, 1920 x 1440, 1600 x 1200, 1280 x 960, 640 x 480, 480 x 360	2592 x 1944, 2560 x 1920, 2048 x 1536, 1920 x 1440, 1600 x 1200, 1280 x 960, 640 x 480, 480 x 360	2592 x 1944, 2560 x 1920, 2048 x 1536, 1920 x 1440, 1600 x 1200, 1280 x 960, 640 x 480, 480 x 360 480 x 360
Video Streaming (3 Streaming)	Simultaneously H.265 and MJPEG (Multi Streaming) or Simultaneously H.264 and MJPEG (Multi Streaming) Independent Frame Rate and Bandwidth Control, VBR/CBR Mode			
Protocols	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf
Security	Multi User Authority, IP Filtering, HTTPS	Multi User Authority, IP Filtering, HTTPS	Multi User Authority, IP Filtering, HTTPS	Multi User Authority, IP Filtering, HTTPS
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Edge Storage	Micro SDHC/SDXC	Micro SDHC/SDXC	Micro SDHC/SDXC	Micro SDHC/SDXC
Event In	On boot/Trigger/Network Loss/ Tampering/Motion	On boot/Trigger/Network Loss/ Tampering/Motion	On boot/Trigger/Network Loss/ Tampering/Motion	On boot/Trigger/Network Loss/ Tampering/Motion
Event Out Notification	E-mail, FTP	E-mail, FTP	E-mail, FTP	E-mail, FTP
Audio	-	Line-In/Line-Out	-	Line-In/Line-Out
Alarm Control	-	Alarm-In 1/Alarm-Out 1	-	Alarm-In 1/Alarm-Out 1
Vandal Proof Casing	-	IK10	IK10	IK10
Outdoor Ready	IP67	IP67	IP67	IP67
Operation Temperature	-10°C ~ +50°C	-10°C ~ +60°C	-10°C ~ +50°C	-10°C ~ +50°C
Operation Humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%
Power Source	DC 12V, PoE (IEEE 802.3af Class 2)	DC 12V, PoE (IEEE 802.3af Class 2)	DC 12V, PoE (IEEE 802.3af Class 2)	DC 12V, PoE (IEEE 802.3af Class 2)
Power Consumption	5.02W	6.1W	5.05W	6.3W
Approval	KC, CE, FCC	KC, CE, FCC	KC, CE, FCC	KC, CE, FCC
Dimension	Ø111.9 x 88.2 (H)mm	Ø130 x 110 (H)mm	73.8mm x 69.1mm x 210.4mm	79.3mm x 77.5mm x 212mm



Powerful IR illumination provides night visibility



IR illumination is automatically focused to ensure the field of view is consistently illuminated, ensuring a clear view of up to 20-30 meters. IDIS Lite Cameras use SONY Starvis CMOS image sensors to ensure clarity at night and deliver crisp Full-HD resolution even in complete darkness.



IDIS Lite
Protocol

IDIS Lite Protocol



Click-and-Play



Aluminium
Alloy Body (Dome)



Alarm, Audio
In/Out (MFZ)



Reliability with
SD Card

NDA
Compliant

NDA-Compliant
Made in South Korea

Rapid installation in varied environments

The IDIS Lite Camera Series has a 3-axis design allowing for easy pan, tilt, and horizontal adjustment in various locations and environments including wall mounting. With the aluminium alloy body, vandal proof glass form factor, and a choice of mounts, brackets and junction boxes, the cameras are ideal for wide-area and high-definition coverage in a range of small to medium sized applications.



Wall Mount Bracket

DA-WM2400

DC-D2214R, DC-D2511R



Wall Mount Bracket

DA-WM2500

DC-D2234WR, DC-D2531WR
DC-T2511WER, DC-D2531WER



Junction Box

DA-JB2500

For All IDIS Lite Cameras

NEW

I-MOBILE SOLUTIONS



Next-Generation Vehicle Surveillance System: Unmatched Performance and Integration

From pioneers in mobile systems to leaders in innovation
Experience IDIS' I-Mobile system.



High-Performance 4K Mobile Solution Provides Transit and
Fleet Operators with an Intuitive User Interface and Seamless
System Compatibility

NDAA
Compliant

★ **TAA** ★
Compliant

| Assembly in United States



The Technology Leader



I-MOBILE CAMERAS

Model Name	Fixed Focal, 12MP	
	NEW DC-Y6C17WRX	
	 	
Image Sensor	1/2.3" CMOS	
Max. Resolution	2944 x 2944	
Scanning Mode	Progressive Scan	
Lens Type	Fixed-focal	
Focal Length	f = 1.6 mm	
Aperture	F 2.0	
Iris Control	Fixed Iris	
Angular Field of View	180° (H), 180° (V), 180° (D)	
Min. Illumination	Colour: 0.3 Lux @ F 2.0 B/W: 0 Lux (IR LED On)	
Dynamic Range	120 dB (True WDR)	
Day and Night	Yes (ICR)	
IR Distance (LEDs)	15 m / 49.2 ft (4 ea)	
Image Setting	Exposure, White Balance, Self-Adjusting Video Mode (Sharpness, Contrast, Colours, Brightness Control), 3DNR Level, WDR Level	
De-fog	Yes	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone, Heatmap	
Viewing Composition	1Q, 1P, 1P2R, 2P, 4R, 1O7R	
Video Compression	H.265, H.264 (MP), M-JPEG	
Intelligent Codec	Supported	
IP Camera Protocol	DirectIP 2.0, ONVIF Profile S/T	
Max. Frame Rate	30 ips: 2944 x 2944 15 ips: 2944 x 2944 (WDR)	
Multi-video Streaming	Quadruple Streaming	
Security	Digest authentication, Password Protection, User access log, IP Filtering, IEEE802.1x(EAP-TLS), Chained Fingerprint, SSL Encryption, HTTPS Encryption	
Ethernet	RJ45 (10/100BASE-T)	
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)	
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone, Heatmap	
Audio In / Out	1(Built In MIC) / 0	
Vandal Proof Casing	IK10	
Outdoor Ready	IP67	
Operating Temperature	-30°C ~ 50°C (-22°F ~ 122°F)	
Operating Humidity	0% ~ 90%	
Vandal Proof Casing	IK10	
Power Source	PoE (IEEE 802.3af Class 3)	
Power Consumption	PoE, IEEE 802.3af(Class 3), 10.6W	
Dimensions (W x H x D)	Ø135 x 56.9 mm (Ø5.31" x 2.24")	
Weight	0.67kg (1.47lb)	
Approval	FCC, CE, KC	

I-MOBILE CAMERAS

Model Name	Fixed Focal, 12MP	FIXED, 2MP	FIXED, 2MP
	NEW DC-Y6C17WRX	NEW DC-M4211WRX (2.8mm, 3.3mm)	NEW DC-M4211WX
	 	 	 
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Progressive Scan	Fixed-focal	Fixed-focal
Focal Length	f = 3.3 mm	f = 2.8 mm, f = 3.3 mm	f = 2.3 mm
Aperture	F2.0	F2.0	F2.0
Iris Control	Fixed Iris	Fixed Iris	Fixed Iris
Angular Field of View	101.3° (H) 54.5°(V) 119.7°(D)	111.6°(H), 61.45°(V), 127.3°(D) (f = 2.8mm) 101.3° (H) 54.5°(V) 119.7°(D) (f = 3.3mm)	111.6°(H), 61.45°(V), 127.3°(D) (f = 2.8mm) 101.3° (H) 54.5°(V) 119.7°(D) (f = 3.3mm)
Min. Illumination	Colour : 0.1 Lux @ F2.0, B/W : 0 Lux (IR LED On)	Colour : 0.1 Lux @ F2.0, B/W : 0 Lux (IR LED On)	Colour : 0.1 Lux @ F2.0, B/W : 0 Lux (IR LED On)
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	20 m	10 m	-
Backlight Compensation	BLC	BLC	BLC
Mirroring / Pivot	Horizontal / Vertical / Pivot	Horizontal / Vertical / Pivot	Horizontal / Vertical / Pivot
Privacy Masking	8 Zones	8 Zones	8 Zones
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	Video Motion Detection, Active Tampering Alarm, Trip Zone	Video Motion Detection, Active Tampering Alarm, Trip Zone
Video Out	1 CVBS	1 CVBS	1 CVBS
Pan/Tilt/Rotate	Pan: ±5°, Tilt: +20°~+75°, Rotate: ±90°	Pan: ±5°, Tilt: +20°~+75°, Rotate: ±90°	Pan: ±5°, Tilt: +20°~+75°, Rotate: ±90°
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported	Supported
IP Camera Protocol	DirectIP 2.0, ONVIF	DirectIP 2.0, ONVIF	DirectIP 2.0, ONVIF
Max. Frame Rate	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)
Supported Resolution	16:9 - 1920 x 1080, 1280 x 720, 640 x 360, 352 x 240 4:3 - 1440 x 1080, 960 x 720, 480 x 360, 272 x 240	16:9 - 1920 x 1080, 1280 x 720, 640 x 360, 352 x 240 4:3 - 1440 x 1080, 960 x 720, 480 x 360, 272 x 240	16:9 - 1920 x 1080, 1280 x 720, 640 x 360, 352 x 240 4:3 - 1440 x 1080, 960 x 720, 480 x 360, 272 x 240
Ethernet	RJ45 (10 / 100BASE-T)	RJ45 (10 / 100BASE-T)	RJ45 (10 / 100BASE-T)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 256 GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256 GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256 GB)
Trigger Event	Motion Detection, Tampering, Trip Zone	Motion Detection, Audio detection, Tampering, Trip Zone	Motion Detection, Audio detection, Tampering, Trip Zone
Audio In / Out	-	1 (Internal MIC) / 0	1 (Internal MIC) / 0
Outdoor Ready	IP69K	IP67	IP67
Operating Humidity	0% ~ 90%	0% ~ 90%	0% ~ 90%
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F) *Starting up at above -20°C (32°F)	-30°C ~ +55°C (-22°F ~ +122°F) *Starting up at above 0°C (32°F)	-30°C ~ +55°C (-22°F ~ +122°F) *Starting up at above 0°C (32°F)
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	-
Approval	FCC, CE, MIL-STD-810G EN50155 (M12 model only)	FCC, CE, MIL-STD-810G EN50155 (M12 model only)	FCC, CE, MIL-STD-810G EN50155 (M12 model only)
Dimensions (W x H x D)	140mm x 73.57mm x 126mm (5.51" x 2.9" x 4.96")	104mm x 49.44mm x 122.17mm (4.09" x 1.95" x 4.81")	104mm x 49.44mm x 122.17mm (4.09" x 1.95" x 4.81")
Weight	0.66Kg (1.46lbs) - Poly Cabonate / .67kg (1.48lbs) - Tampered Glass	0.36Kg (0.79lbs)	0.37Kg (0.81lbs)
Power Source	PoE (IEEE 802.3af Class 3)	PoE (IEEE 802.3af Class 3)	PoE (IEEE 802.3af Class 2)
Power Consumption	9.5W (Heater on)	8.9W	6.3W

I-MOBILE CAMERAS

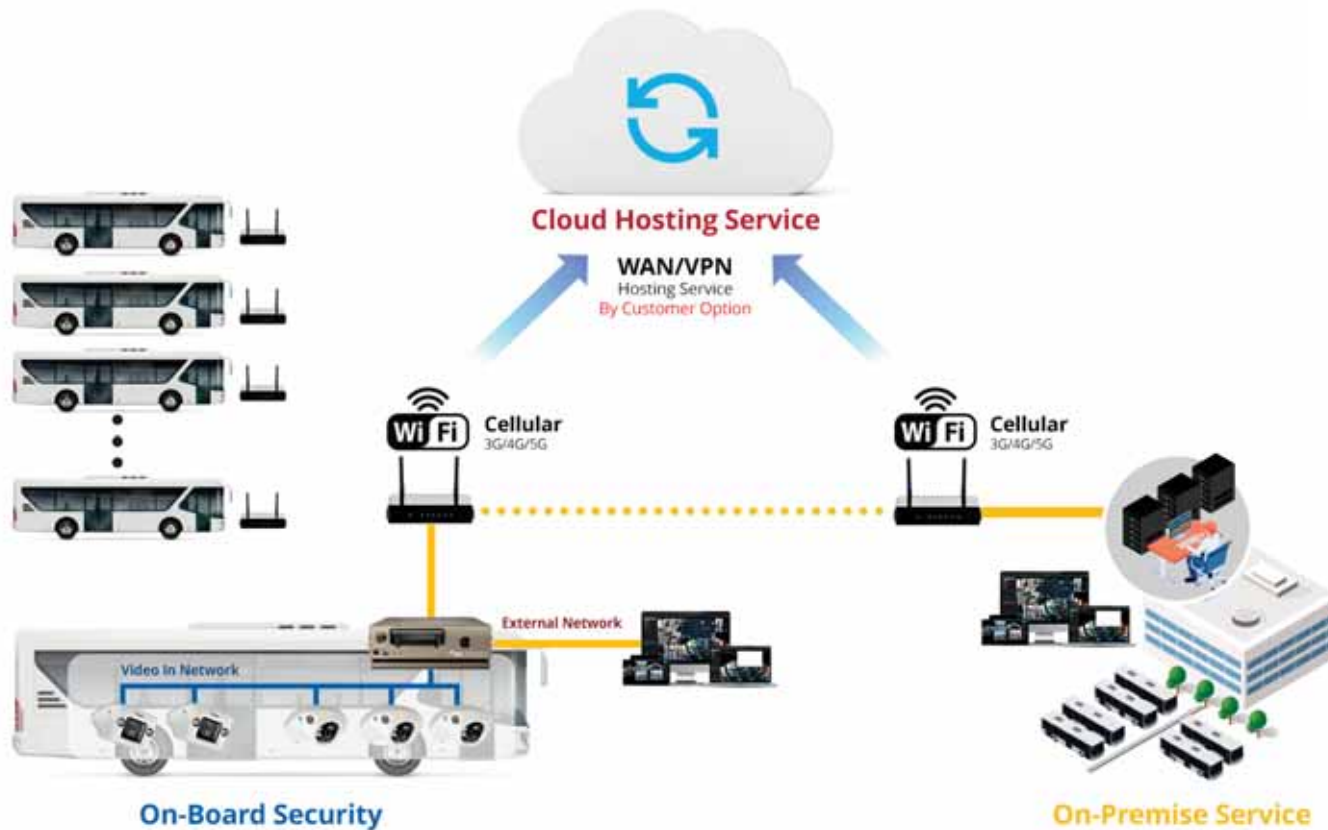
Model Name	FIXED, 8MP	FIXED, 8MP
	NEW DC-M4811X (3.07mm, 3.2mm)	NEW DC-M4211WX (3.07mm, 3.2mm)
	 	 
Image Sensor	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	3840 x 2160	3840 x 2160
Lens Type	Progressive Scan	Progressive Scan
Focal Length	f = 3.07 mm, f = 3.2 mm	f = 3.07 mm, f = 3.2 mm
Aperture	F1.8	F1.8
Iris Control	Fixed Iris	Fixed Iris
Angular Field of View	115° (H), 60° (V), 140° (D) (f = 2.8mm) 104° (H), 58° (V), 121° (D) (f = 3.3mm)	115° (H), 60° (V), 140° (D) (f = 2.8mm) 104° (H), 58° (V), 121° (D) (f = 3.3mm)
Min. Illumination	-	-
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	-	-
Backlight Compensation	BLC	BLC
Mirroring / Pivot	Horizontal / Vertical / Pivot	Horizontal / Vertical / Pivot
Privacy Masking	8 Zones	8 Zones
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	Video Motion Detection, Active Tampering Alarm, Trip Zone
Video Out	-	-
Pan/Tilt/Rotate	45° Forward & 35° Backward (80° Total)	45° Forward & 45° Backward (90° Total) on both Upper & Lower Tilt Brackets
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported
IP Camera Protocol	DirectIP 2.0, ONVIF	DirectIP 2.0, ONVIF
Max. Frame Rate	30ips : 3840 x 2160 15ips : 3840 x 2160 (WDR)	30ips : 3840 x 2160 15ips : 3840 x 2160 (WDR)
Supported Resolution	3840 x 2160, 1920 x 1080, 1280 x 720, 640 x 360	3840 x 2160, 1920 x 1080, 1280 x 720, 640 x 360
Ethernet	RJ45 (10 / 100BASE-T)	RJ45 (10 / 100BASE-T)
Edge Storage	-	-
Trigger Event	Motion Detection, Tampering, Trip Zone	Motion Detection, Tampering, Trip Zone
Audio In / Out	-	-
Outdoor Ready	IP67	IP67
Operating Humidity	0% ~ 90%	0% ~ 90%
Operating Temperature	-10°C ~ +50°C	-10°C ~ +50°C
Approval	FCC, MIL-STD-810H	FCC, MIL-STD-810H
Dimensions (W x H x D)	214.9mm x 134.6mm x 120.4mm (8.46" x 5.30" x 4.74")	Not Extended: 214.9mm x 134.6mm x 245.1mm (8.46" x 5.30" x 9.65") Extended: 214.9mm x 134.6mm x 308.6mm (8.46" x 5.30" x 12.15") - Vertical Adjustment Range : 63.5mm (2.5")
Weight	1 kg (2.2 lb)	1.27 kg (2.8 lb)
Power Source	PoE (IEEE 802.3af Class 3)	PoE (IEEE 802.3af Class 3)
Power Consumption	7.9W	7.9W

I-Mobile Network Solution

This setup allows you to have both live and archived video access from multiple locations (the bus and the office) with the flexibility of using internet connectivity to bridge the locations.

Building Access

- **Router on Bus:** Connects to the building's access point (Wi-Fi connection)
- **Computer in Office:** Connects to the building access point to:
 - **Retrieve Video:** Access stored video footage from the NVR on the bus



On-Bus System

- **Cameras:** Record video footage
- **NVR (Network Video Recorder):** Stores the recorded video on the bus
- **Laptop Access:** You can retrieve video footage from the NVR using a laptop connected to the NVR on the bus

Office Access

- **Server with Internet Access:** Connects to the bus's router via the internet.

This setup allows you to:

- **View Cameras Live:** Stream live video footage from the cameras on the bus
- **Retrieve Stored Video:** Access previously recorded footage from the NVR on the bus

I-MOBILE RECORDER

Model Name	Mobile H.265 4K Recorder	
	NEW DR-M208P  	NEW DR-M216P  
VIDEO		
Video Inputs	8 IP channels	16 IP channels
Video Outputs	1 HDMI	1 HDMI
Display Resolution	HDMI : 3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200	HDMI : 3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Recording		
Max. Throughput	90Mbps, 240ips@4K(HQ)+ 240ips@nHD(LT)	180Mbps, 480ips@4K(HQ)+ 480ips@nHD(LT)
Recording Resolution	Up to 12 MP (Depending on IP Camera)	Up to 12 MP (Depending on IP Camera)
Recording Mode	Time-Lapse/Event, Pre-Event, Panic	Time-Lapse/Event, Pre-Event, Panic
Trigger Event	Alarm In, Motion Detection, Trip-zone, Tampering, Video Loss, Text-in, Recording Fail, Network Alarm	Alarm In, Motion Detection, Trip-zone, Tampering, Video Loss, Text-in, Recording Fail, Network Alarm
Storage		
HDD	SATA 3.5" x 1(Hot Swappable) + 1 eSATA	SATA 3.5" x 1(Hot Swappable) + 1 eSATA
Network		
Video In Connection	Gigabit Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext.) x 2	Gigabit Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext.) x 2
PSE Power	48V Legacy, Total 172.8W (8ch)	48V Legacy, Total 172.8W (16ch)
Interface		
Audio In / Out	Local : 2 Line In (4-Pin Dual Row Microfit) / 1 HDMI IP Camera : 8 / 8 (Depending on IP Camera)	Local : 2 Line In (4-Pin Dual Row Microfit) / 1 HDMI IP Camera : 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local : 16 / 2	Local : 16 / 2
Serial Interface	2 RS232 (6-Pin Dual Row Microfit) + 1 CAN (6-Pin Dual Row Microfit)	2 RS232 (6-Pin Dual Row Microfit) + 1 RS485 (6-Pin Dual Row Microfit)
USB	1 USB3.0 + 1 USB2.0	1 USB3.0 + 1 USB2.0
Event Connection	1 Heartbeat + 1 Recording status + 2 Alarm Status (12-Pin Dual Row MicroFit)	1 Heartbeat + 1 Recording status + 2 Alarm Status (12-Pin Dual Row MicroFit)
User Interface	Mouse	Mouse
Aux Power Output	1 Output (2A@12VDC, 4-Pin Mini-Fit Jr.)	1 Output (2A@12VDC, 4-Pin Mini-Fit Jr.)
Etc. Interface	1 GPS internal (SMA) + 1 mini PCI-e (WiFi)	1 GPS internal (SMA) + 1 mini PCI-e (WiFi)
Backup Power	Connector for SuperCap (Mini-Fit)	Connector for SuperCap (Mini-Fit)
Built-in Sensor		
3-axis	Yes	Yes
Temperature	Yes	Yes
Battery Voltage	Yes	Yes
Environmental		
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F) / -30°C ~ 50°C (-22°F ~ 122°F) with Heater	0°C ~ 50°C (32°F ~ 122°F) / -30°C ~ 50°C (-22°F ~ 122°F) with Heater
Operating Humidity	0% ~ 90%	0% ~ 90%
Electrical		
Power Input	Bat/Acc : 9~36 DC Heater : 12V / 24V, 110W (5-Pin Mini-Fit Sr)	Bat/Acc : 9~36 DC Heater : 12V / 24V, 110W (5-Pin Mini-Fit Sr)
Power Consumption	Power: 9~36V=, 26A / HEATER: 12V/24V, 110W	Power: 9~36V=, 26A / HEATER: 12V/24V, 110W
Approval	CE, FCC (Class A), MIL-STD-810G (Shock & Vibration only)	CE, FCC (Class A), MIL-STD-810G (Shock & Vibration only)
Mechanical		
Dimensions (W x H x D)	285 mm x 100.37 mm x 320.2 mm ("11.22" x 3.95" x 12.6")	285 mm x 100.37 mm x 320.2 mm ("11.22" x 3.95" x 12.6")
Weight	5.01kg (11.05lb)	5.01kg (11.05lb)

I-MOBILE MONITORS

Model Name	Premium Wide In-Vehicle LCD Monitor		
	NEW LCD Monitor - 19 inch	NEW LCD Monitor - 10 inch	NEW LCD Monitor- 8 inch
	 	 	 
PANEL			
Screen Size	19 Inch	10.1 Inch	8 Inch
Max. Resolution	1280 x 1024 @ 75Hz	1280 x 800 @ 60Hz	1024 x 768 @ 60Hz
Pixel Pitch	0.294 x 0.294mm	0.1695 x 0.1695mm	0.192 x 0.192mm
Brightness	250cd / m2	350cd/m2	300cd/m2
Contrast Ratio	1000: 1	800 : 1	500 : 1
Aspect Ratio	5: 4	16 : 10	4 : 3
Viewing Angle (H/V)	178° / 178°	170° / 170°	160° / 160°
Display Colour	8bits / 16.7 Million	8bits / 16.7 Million	8bits / 16.7 Million
Response Time	< 14ms (Gray to Gray)	< 15ms (Gray to Gray)	< 20ms (Gray to Gray)
Video System	NTSC / PAL	NTSC / PAL	NTSC / PAL
LifeTime (Typ.)	40,000Hrs	30,000Hrs	30,000Hrs
INTERFACE			
Video In (BNC Type)	1/1	1/1	4 In (CVBS or AnalogueHD)
RTSP (LAN)	1/1	RJ-45 (2CH input)	-
VGA In (15Pin D-Sub) -	-	-	-
Audio In (RCA Type) -	-	-	-
PC Stereo In	-	-	-
TRANSMITTER			
Remote Control	Yes	Yes	Yes
AUDIO			
Filter Type	3D Comb Filter	3D Comb Filter	3D Comb Filter
Deinterlacing	Yes	Yes	Yes
Advanced Auto Power Recovery	Yes	Yes	Yes
Noise Reduction Control (NR)	Yes	Yes	Yes
LCD Protection Glass	N/A	N/A	N/A
Auto Pixel Shift	Yes	Yes	Yes
Auto Source Sequencing	Yes	Yes	Yes
Trigger Sensor	-	2 In	2 In
Multi Language	English, Spanish, French, German, Italian	English, Spanish, French, German, Italian	English, Spanish, French, German, Italian
GENERAL			
Outline Dimension (W x H X D)	412.2 mm x 340.78 mm x 45 mm (16.2" x 13.3" x 1.73")	260.6mm x 177mm x 70mm (10.2" x 6.9" x 2.75")	212.8mm x 136.4mm x 50mm (8.37" x 5.37" x 1.96")
Net Weight	6.25 Kg (13.78 lbs)	Appx. 4 Kg	-
Material/Colour	Metal / Black	Electronic galvanized iron / Black	Metal / Black
Consumption: < On	DC 9V~36V	DC 9~36V / < 11W	DC 9~36V / < 11W
Operating Temperature	0°C ~ 40°C / 32° ~ 104°F	0° ~ 40° C / 32° ~ 104° F	0°C ~ 40°C / 32° ~ 104°F
Storage Temperature	-20° ~ 60° C / -4° ~ 140° F	-20°C ~ 60°C / -4° ~ 140°F	-20°C ~ 60°C / -4° ~ 140°F
Mounts			
VESA Mount Size	100 x 100 mm (3.9" x 3.9")	75 x 75 mm (2.9" x 2.9")	75 x 75mm (2.9" x 2.9")

I-MOBILE ACCESSORIES

	GNSS Ceramic Active Antenna	
	NEW	GPS Antenna
Model Name		
VIDEO		
Parameters	GNSS Ceramic Active Antenna	
Standards	GPS / QZSS / Galileo	GLONASS
Band (MHz)	1575	1602
Frequency (Mhz)	1575.42	1598-1606
Patch Size (mm)	25 x 25 x 4	
VSWR	<=1.4:1 dB	
Impedance (Ohms)	50	
Radiation Pattern	Hemispherical	
Polarization	RHCP	
Active Gain (dB)	28dB @ 2.7V	
Noise Figure (dB)	1.8 @ 2.7V	
Voltage Range (V)	1.5 - 3.6	
Current Consumption (mA)	9 @ 2.7V	
Saw Filter Type	Pre-Filter	
Out of Band Rejection (dB)	~43	
ESD Protection (kV)	6	
Connector Type	SMA-Male Standard (Other Connectors Available)	
Cable Length	300 cm Standard (Any Cable Length Available)	
Cable Type	LL100 Standard (Other Cables Available)	
MECHANICAL AND ENVIRONMENTAL		
Mounting Type	Magnetic Mount	
Dimensions (mm)	Ø 54 x 14.7	
Operating Temperature (°C)	-40°C to +85°C	
Storage Temperature (°C)	-40°C to +85°C	
Certificates	IP67, IP69K	
Substance Compliance	RoHS	

	Mobile UPS	
	NEW	DP-MU2100
Model Name		
ELECTRICAL PROPERTIES		
Input Operating Voltage	9-36VDC	
Battery Charging Voltage	10-36VDC	
Input Power Consumption	200W	
Output Voltage	Bypass (Normal), 24VDC (Emergency)	
Output Power	100W Maximum	
Quiescent Current	35mA at Knife SW ON 3mA at Knife SW OFF	
Back-up Time	15mins	
Time to Charge	60mins	
INTERFACES		
Power	1, DTF13-12PB, TE Connectivity	
IO	1, 43045-0600, Molex	
MECHANICAL PROPERTIES		
Weight	1.75 kg (3.86 lb), with Battery Pack 1.16 kg (2.56 lb), without Battery Pack	
Dimensions	90 x 74 x 203.5 mm (3.54 x 2.91 x 8.01 inches)	
ENVIRONMENT		
Operating Temperature	0°C to 55°C (32 to 131°F)	
ELECTRICAL		
Approval	FCC, MIL-STD-810G, ISO 16750-2, EN61000-4-2	
BATTERY PACK		
Battery Pack Type	7S1P, Li-ion	
PROTECTION		
BMS (Battery Management System)	Overcharge Protection, Over Discharge Protection Over Current Protection, Short Circuit Protection Over Temperature Protection	
ACCESSORY		
Mounting Bracket	Included	

	Anti-vandal Driver Event Button	
	NEW	Driver Event Button
Model Name		
Electrical Rating	2A, 48VDC	
Mechanical Life	1,000,000 Cycles	
Electrical Life	50,000 Cycles	
Contact Resistance	50mΩ Max.	
Insulation Resistance	1000 MΩ Min.	
Dielectric Strength	2,000VAC	
Operating / Storage Temperature	-20°C to 55°C	
Travel	1.80mm (Non-Illuminated), 2.20mm (Illuminated)	
Moisture Protection	IP65	
Contact Arrangement	SPST Off-(On)	
Actuation Force	400 gf	
Mounting Nut Torque	1-10 mm	
Newtork Connection	5-14Nm	

	High Performance, 25' Directional Microphone	
	NEW	External Microphone
Model Name		
Pickup Pattern	Omni-directional 25' pickup pattern	
Pre-amplifier Type	Low noise MOSFET pre-amplifier	
Gain Control	Adjustable gain	
Output Level	Line level (0dbm) output	
Frequency Response	500Hz-16Khz Frequency response	
Output Impedance	100 Ohm unbalanced output	
Power	12VDC @ 20ma	
S/N ratio	60DB	
Sensitivity	44DB	
Temperature range	40 to 85C	
Voltage Regulation & RFI Filtering	On-board voltage regulator and RFI filtering	
Encapsulation	Potted electronics	
IP Rating	IP67 rating	
Housing	Powder coated, aluminium, tamper resistant housing	
Mounting Nut Torque	L2.45" x W1.04" x H0.72"	
Weight	0.05bs	

Your ONLY Transit Safety Solution

I-Mobile Solutions

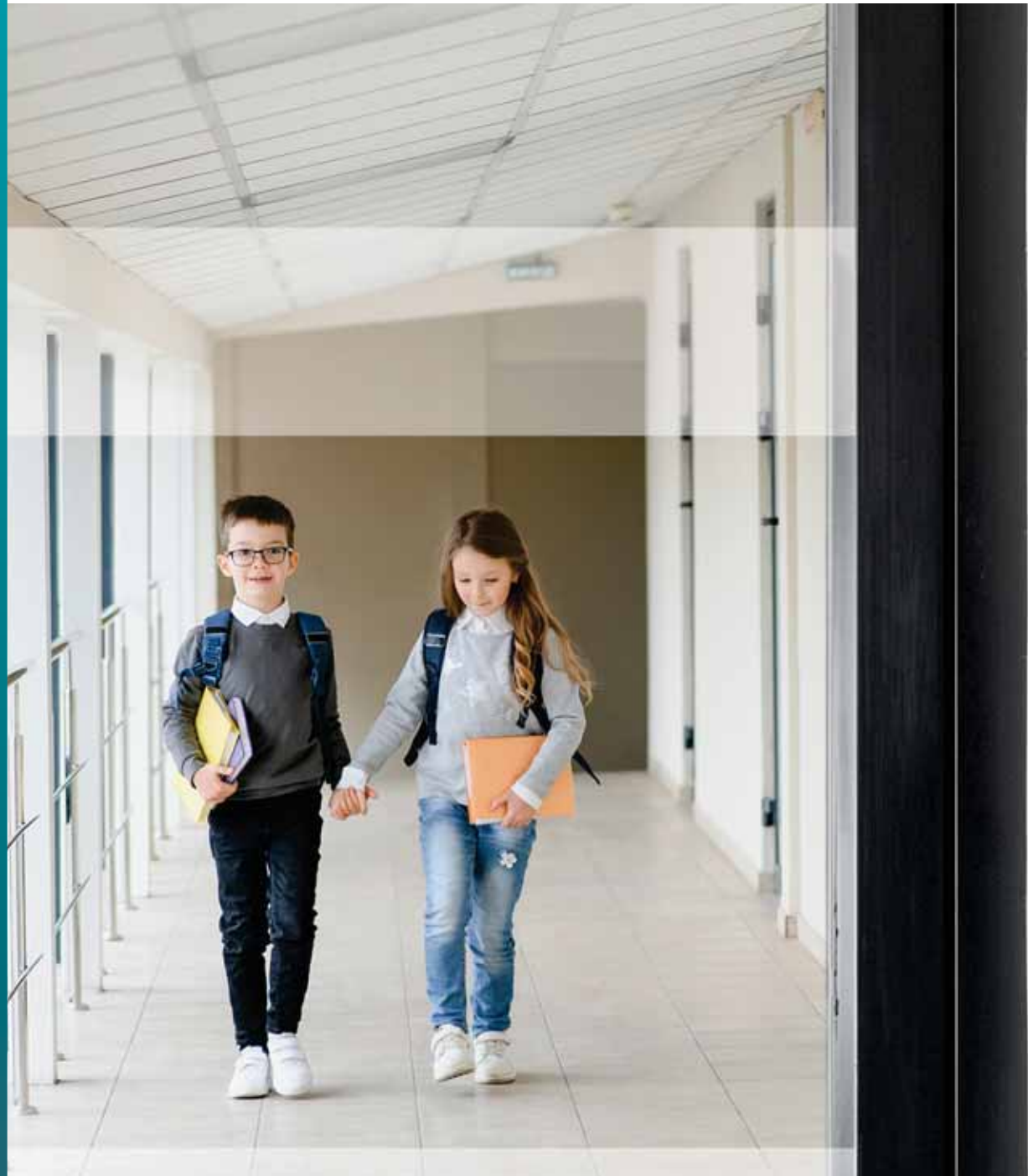
IDIS VIDEO INTERCOM

Clear Voice Communication with Echo Cancellation

- Surveillance System Integration
- Secure Remote Access IDIS Mobile
- Designed to withstand harsh environments
- Simultaneous two-way audio and video recording
- SIP (VoIP) Communication Support
- Enhanced echo cancelling and noise reduction
- Flexible for a broad range of applications



IDIS Mobile +
Free Download!





INTERCOM CAMERAS

	Intercom, 2MP
	DC-I6212WRX
Model Name	 
Image Sensor	1/2.8" CMOS Sensor
Max. Resolution	1920 x 1080
Lens Type	Fixed-focal
Focal Length	1.85mm
Aperture	F2.3
Iris Control	Fixed Iris
Angular Field of View	180°(H)
Pan / Tilt Range	-
Min. Illumination	Colour: 0.1 lux @ F2.3 B/W: 0 lux (IR LED On)
Dynamic Range	120dB (True WDR)
Day and Night	Yes (ICR)
IR Distance (LEDs)	5m / 16ft (1ea)
Image Stabilizer	-
De-fog	Yes
Video Out	-
Video Compression	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported
Audio Compression	G.726, G.711 u-Law, G.711 a-Law, G.722
Max. Frame Rate	30ips: 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTsrec)	Yes (Up to 60MB)
Edge Storage	micro SD/SDHC/SDXC, Smart Failover (Up to 512GB)
Trigger Event	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone
Audio In / Out	1 (Built In MIC with Echo Cancellation) / 1 (Built In SPK)
Alarm In / Out	1 / 2
Vandal Proof Casing	IK10
Outdoor Ready	IP66, NEMA 4X
Operating Temperature	-30°C ~ +55°C (-22°F ~ +131°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	52mm x 165mm x 46mm (2.05" x 6.50" x 1.81")
Weight	0.52 kg (1.15lb)
Power Source	DC 12V, POE (IEEE 802.3af Class 3)
Power Consumption	12V=, 1.87A, 22.4W PoE, (IEEE 802.3af Class 3), 9.5W (DC Output: 12V=, 1A MAX with Adaptor)

IDIS SPECIALTY CAMERAS

Explosion Proof Cameras

Video Technology Designed
for Hazardous and High-Risk
Environments





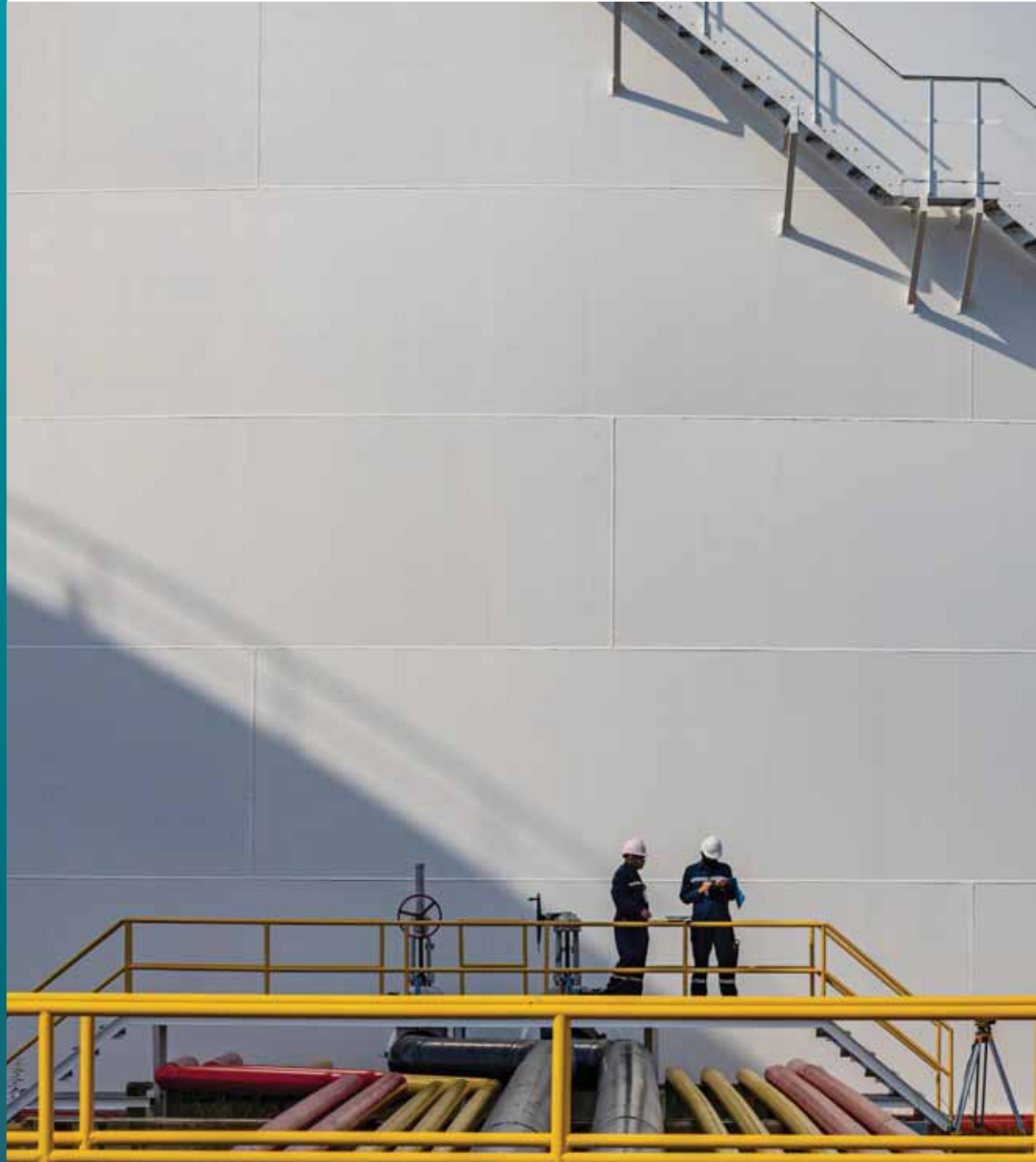
SPECIALITY CAMERAS

		Explosion Proof Mini-Dome	Explosion Proof Fisheye	Explosion Proof PTZ
		DC-SP6531EXD	DC-SP6C11EXY	DC-S3283EX
Model Name				
Camera	Image Sensor	1/2.8"Progressive 5M CMOS	1/2.3"Progressive Sony CMOS	1/3" Progressive 2M CMOS
	Resolution	2592(H) X 1944(V)	12.47MP, 2944(H) X 2944(V)	1,920(H) x 1,080 (V)
	Electronic Shutter Speed	Auto/Manual (1/30 ~ 1/10,000) Anti-Flicker, Slow Shutter (1~1/5, 1/7.5, 1/15)	Auto/Manual (1/30~1/10,000sec) Slow Shutter (1~1/5,1/7.5,1/15) Anti-Flicker	Auto/Manual (1/30~1/10,000sec) Slow Shutter (1~1/5,1/7.5,1/15) Anti-Flicker
	Angular Field of View	Wide: 91°(H) 66°(V) 120°(D) Tele: 31°(H) 23°(V) 38(D)°	180°(H), 180°(V), 180°(D)	Wide: 64.7°(H),38.6°(V),72.7°(D) Tele: 2.3°(H), 1.4°(V), 2.6°(D)°
	Focal Length	F=3.0 ~13.5mm (Motorised Vari-focal lens)	Fixed-focal (f=1.6mm)	Optical 30x (4.3 ~ 129mm)
	De-fog	ON/ OFF	-	-
	Dynamic Range	120 dB (True WDR)	120 dB (True WDR)	-
	AI Analytics	Video Motion Detection, Active, Tampering Alarm, Trip Zone	-	-
	Digital Zoom	-	-	-
	VR Mode	-	360° VR Mode, Option Mode, Spot Mode, Drag and Drop	-
	Min. Illumination	-	-	Colour: 0.1 Lux @ F1.6 B/W: 0.01 Lux @ F1.6
Pan/Tilt	Rotation Speed	-	-	PAN: 0.02~180°/sec (preset 420°/sec) TILT: 0.02~180°/sec (preset 420°/sec)
	Preset	-	-	256ea
IR	IR Distance	30m	30m	-
	LED	6ea	4ea	-
	IR Operation	Auto On / Off (Photo Sensor)	Auto On / Off (Photo Sensor)	-
Network	Ethernet	RJ45 (10/100BASE-T)	RJ-45 (10 / 100/1000Base-T)	RJ-45(10 /100/1000Base-T)
	Video Compression	H.265/ H264 / M_JPEG	H.265/ H264(MP) / M_JPEG	H.265 / H.264 / M-JPEG
	Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	-
	IP Camera Protocol	DirectIP 2.0, ONVIF	DirectIP 2.0, ONVIF	DirectIP 2.0, ONVIF Profile S
	Max. Frame Rate	4:3 mode: 2592x1944 (WDR) 16:9 mode: 2592 x 1456 (WDR)	30ips: 2944 x 2944	30ips: 1920 x 1080
	Network Protocols	DirectIP 2.0 Protocol, RTP/RTSP/TCP, RTP/RTSP/HTTP/ TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNMP, SMTP, FEN, mDNS, Upnp	DirectIP 2.0 Protocol, RTP/RTSP/TCP, RTP/RTSP/HTTP/ TCP, RTP/UDP RTSP/TCP, HTTP, HTTPS, FTP, SNMP, SMTP, FEN, mDNS, Upnp	DirectIP 2.0 Protocol, RTP/RTSP/TCP, RTP/RTSP/HTTP/ TCP, RTP/UDP RTSP/TCP, HTTP, HTTPS, FTP, SNMP, SMTP, FEN, mDNS, Upnp
	etc	Remote Access, AI Analytics, Image Stabilizer	-	-
General	Explosion Proof Rate	Ex db IIC T6 Gb Ex td A21 T80°C	Ex db IIC T6 Gb Ex td A21 T80°C	Ex db IIC T6 Gb Ex td A21 T80°C
	Operating Temperature	-40°C ~ +60°C	-40°C ~ +55°C	-40°C ~ +60°C
	Power Source	PoE (48V dc)	PoE (48V dc)	PoE (48V dc)
	Power Consumption	≤11W	≤10.6W	≤15.3W (Heater, Fan)
	Materials	Stainless Steel 316L	Stainless Steel 316L	Stainless Steel 316L
	Dimensions	Ø156X134mm	Ø180 x 64mm	Ø245 x 386mm
	Weight	3.7 Kg	3.7 Kg	12.7Kg
	Outdoor Ready	IP67	IP67	IP67

IDIS SPECIALTY CAMERAS

Explosion Proof Cameras

Video Technology Designed
for Hazardous and High-Risk
Environments





SPECIALITY BRACKET ACCESSORY

	Ceiling Mount	Wall Mount
	NEW DA-CM1100EX	NEW DA-WM1100EX
Model Name		
Compatible Model	DC-S3283	DC-S3283
Material	SUS316L	SUS316L
Weight	2.5 kg	2.5 kg
Dimensions (W x H x D) - mm	151(W) x 151(L) x 162(H)	151(W) x 151(L) x 236(H)

SPECIALITY BOX HOUSING

	Box Housing
	DA-BH1100EX
Model Name	
ENVIRONMENT	
Explosion-Proof Rating	Ex d IIC T6 / Ex td A21 T85°C
Dust and Waterproof Rating	IP66
Operating Ambient Temperature	-20°C ~ +60°C
Design Compliance Standards	Ministry of Employment and Labor Notification No. 2020-33
Installation Standard	KS C IEC 60079-14
Applicable Camera Models	DC-Z6292XL, DC-Z6291X, DC-Z6282X, DC-Z6281XL
EXTERNAL DESIGN	
External Dimensions	152(W) x 164(H) x 400(L) mm
Internal Dimensions	78(W) x 78(H) x 275(L) mm
Cable Inlet Size	PF1/2"
Weight	5kg
Material	Aluminium
POWER SUPPLY	
Power Source	Camera PoE (DC12V), FAN(DC12V)-Optional
Power Consumption	5W

NEW



ConteraIP® Camera Series

Affordable. Advanced Features.

Contera® by AV Costar™ introduces a brand-new lineup of high-end megapixel (MP) IP cameras at an affordable price point. Contera brings in new advanced technologies such as H.265 compression with our brand new SNAPstream+™ bandwidth reduction technology, Smart IR LEDs with variable illumination, Enhanced WDR™ wide dynamic range up to 120dB, and an onboard storage capacity up to 256GB. New programmable features such as Defog technology can further enhance the quality of raw megapixel surveillance footage while Analytics available in the EX Series can increase situational awareness.

ConteraIP cameras come in several distinct body styles to cover most project solution needs, including our unique installer-friendly housing designs with the ConteraIP LX Remote Setup, ConteraIP Outdoor Dome, and ConteraIP MicroDome LX first introduced in our MegaIP® camera line. ConteraIP cameras come with a choice of 1080p and 5MP resolutions at a full 30fps for all single-sensor models, 8MP or 20MP resolution with our quad-sensor models, up to 16MP resolution for dual-sensor models and 12MP for the ConteraIP Fisheye.



Two in One

Contera IP MicroDome Duo LX Camera

The ConteraIP MicroDome Duo features twin multi-megapixel cameras in a compact IK-10/IP66 outdoor-ready housing, ideal for a variety of professional indoor/outdoor surveillance requirements. Applications include coverage

of a hallway or walkway, monitoring POS terminals or ATMs, or for viewing of a single wide area or two distinct regions.

ConteraIP MicroDome Duo is available with a choice of 4-, 10-, or 16-megapixel (MP) resolutions and supports interchangeable lenses from 2.4mm-16mm.

MICRO DOME DUO CAMERAS



Model Name	Micro Dome Duo		
	NEW AV4956DN-28	NEW AV10956DN-28	NEW AV16956DN-28
	 2 x  	 2 x  	 2 x  
Image Sensor	1080p (2.1MP) CMOS Progressive Sensor x 2	5MP CMOS Progressive Sensor x 2	8MP CMOS Progressive Sensor x 2
Max. Resolution	4MP 2x 1920x1080	10MP 2x 2592x1944	16MP 2x 3840x2160
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal
Focal Length	2.8mm	2.8mm	2.8mm
Aperture	F1.6	F1.6	F1.6
Iris Control	Auto/Manual	Auto/Manual	Auto/Manual
Angular Field of View	H-FOV = 106.7°	H-FOV = 98°	H-FOV = 106.7°
Pan / Tilt Range	3-axis camera adjustment w/ 359° pan and 90° tilt and 360° z-axis	3-axis camera adjustment w/ 359° pan and 90° tilt and 360° z-axis	3-axis camera adjustment w/ 359° pan and 90° tilt and 360° z-axis
Min. Illumination	0.04 Lux (Colour) 0.004Lux (B/W)	0.15 Lux (Colour) 0.015Lux (B/W)	0.18 Lux (Colour) 0.018Lux (B/W)
Dynamic Range	100dB	100dB	100dB
Day and Night	Auto/Manual	Yes	Yes
IR	No	No	No
IR Distance (LEDs)	NA	NA	NA
Image Stabilizer	No	No	No
De-fog	No	No	No
Video Out	NA	NA	NA
Video Compression	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
Intelligent Codec (SNAPstream+)	Yes	Yes	Yes
Audio Compression	NA	NA	NA
Max. Frame Rate	30fps	15fps	15fps
Ethernet	10/100Base-T Ethernet network interface, RJ45	10/100Base-T Ethernet network interface, RJ45	10/100Base-T Ethernet network interface, RJ45
Recording Session Buffer (NLTsrec)	NA	NA	NA
Edge Storage	MicroSDXC slot up to 1TB (card not included)	MicroSDXC slot up to 1TB (card not included)	MicroSDXC slot up to 1TB (card not included)
Trigger Event	Motion detection, tampering detection, alarm in	Motion detection, tampering detection, alarm in	Motion detection, tampering detection, alarm in
Audio	Yes	Yes	Yes
Audio In / Out	Line in (with amplification) / Line output	Line in (with amplification) / Line output	Line in (with amplification) / Line output
Alarm In / Out	1 input (wet contact)/1 output (wet contact)	1 input (wet contact)/1 output (wet contact)	1 input (wet contact)/1 output (wet contact)
Vandal Proof Casing	IK-10	IK-10	IK-10
Outdoor Ready	IP66	IP66	IP66
Operating Temperature	-40°C (-40°F) to +50°C (122°F)	-40°C (-40°F) to +50°C (122°F)	-40°C (-40°F) to +50°C (122°F)
Dimensions (W x H x D)	6.42 inches (163mm) x 2.83 inches (71.9mm) x 4.06 inches (103mm)	6.42 inches (163mm) x 2.83 inches (71.9mm) x 4.06 inches (103mm)	6.42 inches (163mm) x 2.83 inches (71.9mm) x 4.06 inches (103mm)
Weight	Unit 2.2lbs (1.0kg) Packaged 2.6lbs (1.2kg)	Unit 2.2lbs (1.0kg) Packaged 2.6lbs (1.2kg)	Unit 2.2lbs (1.0kg) Packaged 2.6lbs (1.2kg)
Power Source	PoE, 12-48V DC, 24V AC	PoE, 12-48V DC, 24V AC	PoE, 12-48V DC, 24V AC
Power Consumption	10.5W max	10.5W max	10.5W max
Multi sensor	2 Sensor Camera	2 Sensor Camera	2 Sensor Camera
IP Camera Protocol	Onvif Profile S, G, M, and T conformant	Onvif Profile S, G, M, and T conformant	Onvif Profile S, G, M, and T conformant
PTZ	NA	NA	NA
Remote Zoom	No	No	No
Remote Focus	Yes	Yes	Yes
Analytics	No	No	No

Model Name	Multi-Imager (Omni LX Remote Setup)					
	NEW	AV20576RS	NEW	AV20576RS-QDRJ45	NEW	AV20576RSIR
						
						
Image Sensor		5MP CMOS Progressive Sensor x 4		5MP CMOS Progressive Sensor x 4		5MP CMOS Progressive Sensor x 4
Max. Resolution		20MP 4x 2592x1944		20MP 4x 2592x1944		20MP 4x 2592x1944
Lens Type		Motorised Lens		Motorised Lens		Motorised Lens
Focal Length		3.6-6.6mm		3.6-6.6mm		2.7-13.5mm
Aperture		F1.6		F1.6		F1.6
Iris Control		Auto/Manual		Auto/Manual		Auto/Manual
Angular Field of View		H-FOV = 42°-96°		H-FOV = 42°-96°		H-FOV = 30°-101°
Pan / Tilt Range		2 Axis Motorised		2 Axis Motorised		2 Axis Motorised
Min. Illumination		0.15 Lux (Colour) 0.015Lux (B/W)		0.15 Lux (Colour) 0.015Lux (B/W)		0.15 Lux (Colour) 0.015Lux (B/W)
Dynamic Range		120dB DOL		120dB DOL		120dB DOL
Day and Night		Yes		Yes		Yes
IR		No		No		Yes
IR Distance (LEDs)		NA		NA		98.4ft (30m)
Image Stabilizer		No		No		No
De-fog		No		No		No
Video Out		NA		NA		NA
Video Compression		H.265/H.264/M-JPEG		H.265/H.264/M-JPEG		H.265/H.264/M-JPEG
Intelligent Codec (SNAPstream+)		Yes		Yes		Yes
Audio Compression		G.711 PCM 8 kHz/8 bit		G.711 PCM 8 kHz/8 bit		G.711 PCM 8 kHz/8 bit
Max. Frame Rate		30fps		30fps		30fps
Ethernet		10/100Base-T Ethernet network interface, RJ45		10/100Base-T Ethernet network interface, RJ45		10/100Base-T Ethernet network interface, RJ45
Recording Session Buffer (NLTsrec)		NA		NA		NA
Edge Storage		MicroSDXC slot up to 1TB (card not included)		MicroSDXC slot up to 1TB (card not included)		2 x MicroSDXC slots up to 1TB each (cards not included)
Trigger Event		Motion detection, tampering detection, alarm in, AI Video		Motion detection, tampering detection, alarm in, AI Video		Motion detection, tampering detection, alarm in, AI Video
Audio		Yes		Yes		Yes
Audio In / Out		Line in (with amplification) / Line output		Line in (with amplification) / Line output		Line in (with amplification) / Line output
Alarm In / Out		3 input (wet contact)/1 output (wet contact)		4 input (wet contact)/1 output (wet contact)		5 input (wet contact)/1 output (wet contact)
Vandal Proof Casing		IK-10		IK-10		IK-10
Outdoor Ready		IP66		IP66		IP66
Operating Temperature		-40°C (-40°F) to +50°C (122°F)		-40°C (-40°F) to +50°C (122°F)		-40°C (-40°F) to +50°C (122°F)
Dimensions (W x H x D)		223.4 mm x 125.4 mm Round		223.4 mm x 125.4 mm Round		214.31 mm x 202 mm Round
Weight		Unit 2.36kg Packaged 2.68kg		Unit 2.36kg Packaged 2.68kg		Unit 3.43kg Packaged 4.58kg
Power Source		PoE+/24-48V DC/24V AC		PoE+/24-48V DC/24V AC		PoE++/24V DC/24V AC
Power Consumption		25.W max		25.W max		40W max
Multi sensor		4 Sensor Camera		4 Sensor Camera		4 Sensor Camera
IP Camera Protocol		Onvif Profile S, G, M, and T conformant		Onvif Profile S, G, M, and T conformant		Onvif Profile S, G, M, and T conformant
PTZ		NA		NA		NA
Remote Zoom		Yes		Yes		Yes
Remote Focus		Yes		Yes		Yes
Analytics		Std-Included Advanced-Optional		Std-Included Advanced-Optional		Std-Included Advanced-Optional

Model Name	Multi-Imager (Omni LX Remote Setup)					
	NEW AV20576RSIR-QDRJ45	NEW AV32576RSIR	NEW AV32576RSIR-QDRJ45			
	 4 x 5MP NDAACompliant	 4 x 4K8MP NDAACompliant	 4 x 4K8MP NDAACompliant			
Image Sensor	5MP CMOS Progressive Sensor x 4		8MP CMOS Progressive Sensor x 4		8MP CMOS Progressive Sensor x 4	
Max. Resolution	20MP 4x 2592x1944		32MP 4x 3840x2160		32MP 4x 3840x2160	
Lens Type	Motorised Lens		Motorised Lens		Motorised Lens	
Focal Length	2.7-13.5mm		4-10mm		4-10mm	
Aperture	F1.6		F1.6		F1.6	
Iris Control	Auto/Manual		Auto/Manual		Auto/Manual	
Angular Field of View	H-FOV = 30°~101°		H-FOV = 45°~110°		H-FOV = 45°~110°	
Pan / Tilt Range	2 Axis Motorised		2 Axis Motorised		2 Axis Motorised	
Min. Illumination	0.15 Lux (Colour) 0.015Lux (B/W)		0.15 Lux (Colour) 0.015Lux (B/W)		0.15 Lux (Colour) 0.015Lux (B/W)	
Dynamic Range	120dB DOL		120dB DOL		120dB DOL	
Day and Night	Yes		Yes		Yes	
IR	Yes		Yes		Yes	
IR Distance (LEDs)	98.4ft (30m)		98.4ft (30m)		98.4ft (30m)	
Image Stabilizer	No		No		No	
De-fog	No		No		No	
Video Out	NA		NA		NA	
Video Compression	H.265/H.264/M-JPEG		H.265/H.264/M-JPEG		H.265/H.264/M-JPEG	
Intelligent Codec (SNAPstream+)	Yes		Yes		Yes	
Audio Compression	G.711 PCM 8 kHz/8 bit		G.711 PCM 8 kHz/8 bit		G.711 PCM 8 kHz/8 bit	
Max. Frame Rate	30fps		30fps		30fps	
Ethernet	10/100Base-T Ethernet network interface, RJ45		10/100Base-T Ethernet network interface, RJ45		10/100Base-T Ethernet network interface, RJ45	
Recording Session Buffer (NLTsrec)	NA		NA		NA	
Edge Storage	2 x MicroSDXC slots up to 1TB each (cards not included)		2 x MicroSDXC slots up to 1TB each (cards not included)		2 x MicroSDXC slots up to 1TB each (cards not included)	
Trigger Event	Motion detection, tampering detection, alarm in, AI Video		Motion detection, tampering detection, alarm in, AI Video		Motion detection, tampering detection, alarm in, AI Video	
Audio	Yes		Yes		Yes	
Audio In / Out	Line in (with amplification) / Line output		Line in (with amplification) / Line output		Line in (with amplification) / Line output	
Alarm In / Out	6 input (wet contact)/1 output (wet contact)		7 input (wet contact)/1 output (wet contact)		8 input (wet contact)/1 output (wet contact)	
Vandal Proof Casing	IK-10		IK-10		IK-10	
Outdoor Ready	IP66		IP66		IP66	
Operating Temperature	-40°C (-40°F) to +50°C (122°F)		-40°C (-40°F) to +50°C (122°F)		-40°C (-40°F) to +50°C (122°F)	
Dimensions (W x H x D)	214.31 mm x 202 mm Round		214.31 mm x 202 mm Round		214.31 mm x 202 mm Round	
Weight	Unit 3.43kg Packaged 4.58kg		Unit 3.43kg Packaged 4.58kg		Unit 3.43kg Packaged 4.58kg	
Power Source	PoE++/24V DC/24V AC		PoE++/24V DC/24V AC		PoE++/24V DC/24V AC	
Power Consumption	40W max		40W max		40W max	
Multi sensor	4 Sensor Camera		4 Sensor Camera		4 Sensor Camera	
IP Camera Protocol	Onvif Profile S, G, M, and T conformant		Onvif Profile S, G, M, and T conformant		Onvif Profile S, G, M, and T conformant	
PTZ	NA		NA		NA	
Remote Zoom	Yes		Yes		Yes	
Remote Focus	Yes		Yes		Yes	
Analytics	Std-Included Advanced-Optional		Std-Included Advanced-Optional		Std-Included Advanced-Optional	



Low-Profile, Multi-Sensor Versatility

Omni LX

Omni LX packs four remote focus 3-axis gimbals into a low-profile and compact housing.

With 70+ possible sensor placements, including standard and custom configurations, and supports interchangeable lenses from 2.4mm-16mm with remote focus, the possibilities are almost endless.

MULTI-IMAGER CAMERAS

Model Name	Multi-Imager (Omni LX)	
	NEW AV8576DN-28	NEW AV20576DN-28
	 4 x  	 4 x  
Image Sensor	2MP CMOS Progressive Sensor x 4	5MP CMOS Progressive Sensor x 4
Max. Resolution	8MP 4x 1920x1080	20MP 4x 2592x1944
Lens Type	Fixed-focal	Fixed-focal
Focal Length	2.8mm	2.8mm
Aperture	F1.6	F1.6
Iris Control	Auto/Manual	Auto/Manual
Angular Field of View	H-FOV = 98°	H-FOV = 98°
Pan / Tilt Range	3 -Axis Adjustable	3 -Axis Adjustable
Min. Illumination	0.15 Lux (Colour) 0.015Lux (B/W)	0.15 Lux (Colour) 0.015Lux (B/W)
Dynamic Range	100dB	100dB
Day and Night	Yes	Yes
IR	No	No
IR Distance (LEDs)	NA	NA
Image Stabilizer	No	No
De-fog	No	No
Video Out	NA	NA
Video Compression	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
Intelligent Codec (SNAPstream+)	Yes	Yes
Audio Compression	G.711 PCM 8 kHz/8 bit	
Max. Frame Rate	30fps	15fps
Ethernet	10/100Base-T Ethernet network interface, RJ45	10/100Base-T Ethernet network interface, RJ45
Recording Session Buffer (NLTSec)	NA	NA
Edge Storage	MicroSDXC slot up to 1TB (card not included)	MicroSDXC slot up to 1TB (card not included)
Trigger Event	Motion detection, tampering detection, alarm in	Motion detection, tampering detection, alarm in
Audio	Yes	Yes
Audio In / Out	Line in (with amplification) / Line output	Line in (with amplification) / Line output
Alarm In / Out	9 input (wet contact)/1 output (wet contact)	10 input (wet contact)/1 output (wet contact)
Vandal Proof Casing	IK-10	IK-10
Outdoor Ready	IP66	IP66
Operating Temperature	-40°C (-40°F) to +50°C (122°F)	-40°C (-40°F) to +50°C (122°F)
Dimensions (W x H x D)	7.7 inches (196mm) x 3.1 inches (78.5mm) Round	7.7 inches (196mm) x 3.1 inches (78.5mm) Round
Weight	Unit 3.8lbs (1.7kg) Packaged 4.4lbs (2.0kg)	Unit 3.8lbs (1.7kg) Packaged 4.4lbs (2.0kg)
Power Source	PoE+/12-48V DC/24V AC	PoE+/12-48V DC/24V AC
Power Consumption	14W max	14W max
Multi sensor	4 Sensor Camera	4 Sensor Camera
IP Camera Protocol	Onvif Profile S, G, and T conformant	Onvif Profile S, G, and T conformant
PTZ	NA	NA
Remote Zoom	No	No
Remote Focus	Yes	Yes
Analytics	No	No



The Most Advanced HD Analogue Over Coax Solution

IDIS DirectCX, the industry's most advanced Analogue HD over coax solution. Based on High Definition Transfer Video Interface (HD-TVI) technology, IDIS incorporates its expertise in image processing to provide unrivaled HD recording performance at a lower cost.



HD ANALOGUE RECORDERS & CAMERAS

Overlapped Recording

When a user changes the HD Analogue system time to the past point, video data for the overlapped time will be recorded in different segments. This enables video data for the overlapped time to be searched in different time sets and prevents any possible loss of video data or discrepancy on time-based search.



TR-4000 SERIES

Model Name	DirectCX 16channel H.265 Recorder	DirectCX 8channel H.265 Recorder
	TR-4516(R)	TR-4508(R)
	 NDA Compliant	 NDA Compliant
VIDEO		
Video Inputs	16 BNC	8 BNC
Supported Camera	HD-TVI : 5MP, 4MP, 3MP, 1080P, 720P AHD : 5MP, 4MP, 3MP, 1080P, 720P CVBS : NTSC / PAL	HD-TVI : 5MP, 4MP, 3MP, 1080P, 720P AHD : 5MP, 4MP, 3MP, 1080P, 720P CVBS : NTSC / PAL
Video Outputs	1 HDMI, 1 VGA, 1 BNC(Spot)	1 HDMI, 1 VGA, 1 BNC(Spot)
Display Resolution	HDMI : 3840 x 2160, 1920 x 1080, 1440 x 900, 1280 x 1024 VGA : 1920 x 1080, 1440 x 900, 1280 x 1024	HDMI : 3840 x 2160, 1920 x 1080, 1440 x 900, 1280 x 1024 VGA : 1920 x 1080, 1440 x 900, 1280 x 1024
Display Speed	Up to 480 ips	Up to 240ips
RECORDING		
Recording Resolution	2560 x 1920, 2560 x 1440, 1920 x 1536, 1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240, 480 x 240, 360 x 240	2560 x 1920, 2560 x 1440, 1920 x 1536, 1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240, 480 x 240, 360 x 240
Frame Rate	480ips@1080p, 288fps@3MP, 240ips@4MP, 160ips@5MP	240ips@1080P, 144ips@3MP, 120ips@4MP, 80ips@5MP
Recording Mode	Time-Lapse, Event, Pre-Event, Panic	Time-Lapse, Event, Pre-Event, Panic
Trigger Events	Motion, Tampering, Video loss, Alarm in, Text-In, System	Motion, Tampering, Video loss, Alarm in, Text-In, System
PLAYBACK		
Performance	16 ch 1080 p Synchronous Playback	8ch Synchronous Playback
Search Mode	Time-lapse, Event log, Text-in	Time-lapse, Event log, Text-in
Digital Zoom	x 2 ~ x 7	x 2 ~ x 7
STORAGE		
HDD	SATA x 4, eSATA x 1 (TR-4516) SATA x 4, eSATA x 1, RAID 1 Supported (TR-4516R)	SATA x 4, eSATA x 1 (TR-4508) SATA x 4, eSATA x 1, RAID 1 Supported (TR-4508R)
Data Export Device	USB HDD, USB Stick	USB HDD, USB Stick
NETWORK		
Client Connection	Gigabit Ethernet x1	Gigabit Ethernet x1
Transmission Speed	30 ips@Full HD per channel, same as recording stream	30 ips@Full HD per channel, same as recording stream
INTERFACE		
Audio In / Out	4 RCA / 1 RCA + 1 HDMI	4 RCA / 1 RCA + 1 HDMI
Alarm In / Out	16 In / 4 Relay Out	8 In / 4 Relay Out
Alarm Reset In	Yes	Yes
Serial Interface	RS232, RS485 (Terminal Block)	RS232, RS485 (Terminal Block)
GENERAL		
Operating System	Embedded Linux	Embedded Linux
Dimensions (W x H x D)	430mm x 88mm x 427mm (16.9" x 3.5" x 16.8")	430mm x 88mm x 427mm (16.9" x 3.5" x 16.8")
Unit Weight	6.2kg (13.7 lbs)(with 2 x 4TB HDD)	6.2kg (13.7 lbs)(with 2 x 4TB HDD)
Operating Humidity	0 % ~ 90 %	0 % ~ 90 %
Power Input	100-240V~, 50/60Hz, ≤ 2.0A	100-240V~, 50/60Hz, ≤ 2.0A
Power Consumption	100-240V~, 50/60Hz, 1.0-0.5A, 80W	100-240V~, 50/60Hz, 1.0-0.5A, 80W
Approvals	FCC, CE, KC, CB, UL, PSE	FCC, CE, KC, CB, UL, PSE

TR-2000 SERIES

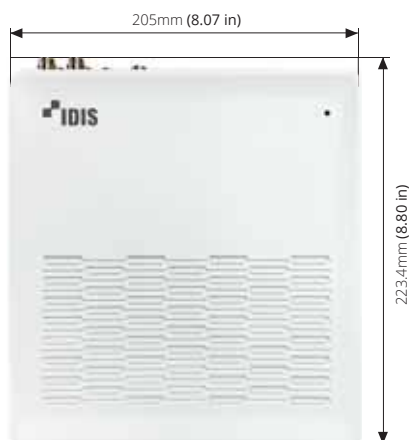
Model Name	DirectCX 16 channel H.265 Recorder	DirectCX PoC 8 channel H.265 Recorder	DirectCX 8 channel H.265 Recorder
	TR-2516	NEW TR-2508P	TR-2508
	 NDAA Compliant	 NDAA Compliant	 NDAA Compliant
VIDEO			
Video Inputs	16 BNC	8 BNC	8 BNC
Supported Camera Types	HD-TVI : 5MP, 4MP, 3MP, 1080P, 720P AHD : 5MP, 4MP, 3MP, 1080P, 720P CVBS : NTSC / PAL	HD-TVI : 5MP, 4MP, 3MP, 1080P, 720P AHD : 5MP, 4MP, 3MP, 1080P, 720P CVBS : NTSC / PAL	HD-TVI : 5MP, 4MP, 3MP, 1080P, 720P AHD : 5MP, 4MP, 3MP, 1080P, 720P CVBS : NTSC / PAL
Video Outputs	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Display Resolution	HDMI : 3840 x 2160, 1920 x 1080, 1280 x 1024 VGA : 1920 x 1080, 1280 x 1024	HDMI : 3840 x 2160, 1920 x 1080, 1280 x 1024 VGA : 1920 x 1080, 1280 x 1024	HDMI : 3840 x 2160, 1920 x 1080, 1280 x 1024 VGA : 1920 x 1080, 1280 x 1024
Display Speed	Up to 480 ips	Up to 240 ips	Up to 240 ips
RECORDING			
Recording Resolution	2560 x 1920, 1280x1920, 2560x1440, 1280x1440, 1920x1536, 1920x1080, 1280x720, 960x576, 960x480, 720x576, 720x480, 960x288, 960x240, 640x360, 720x288, 720x240, 480x288, 480x240, 360x288, 360x240	2560 x 1920, 2560 x 1440, 1920 x 1536, 1920 x 1080, 1280 x 720, 960 x 576, 960 x 480, 720 x 576, 720 x 480, 960 x 288, 960 x 240, 640 x 360, 720 x 288, 720 x 240, 480 x 288, 480 x 240, 360 x 288, 360 x 240	2560x1920, 2560x1440, 1920x1536, 1920x1080, 1280x720, 960x576, 960x480, 720x576, 720x480, 960x288, 960x240, 640x360, 720x288, 720x240, 480x288, 480x240, 360x288, 360x240
Frame Rate	240ips@1080P, 160ips@3MP, 240ips@4MHALF, 112ips@4MP, 160ips@5MHALF, 112ips@5MP	240ips@1080P, 144ips@3MP, 120ips@4MP, 80ips@5MP	240ips@1080P, 144ips@3MP, 120ips@4MP, 80ips@5MP
Recording Mode	Time-Lapse, Event, Pre-Event, Panic	Time-Lapse, Event, Pre-Event, Panic	Time-Lapse, Event, Pre-Event, Panic
Trigger Events	Motion, Video loss, Video Blind, Alarm in, Text-In, System	Motion, Video loss, Video Blind, Alarm in, Text-In, System	Motion, Video loss, Video Blind, Alarm in, Text-In, System
PLAYBACK			
Performance	16ch Synchronous Playback	8ch Synchronous Playback	8ch Synchronous Playback
Search Mode	Time-lapse, Event log, Text-in, Thumbnail	Time-lapse, Event log, Text-in, Thumbnail	Time-lapse, Event log, Text-in, Thumbnail
Digital Zoom	x2 ~ x7	x2 ~ x7	x2 ~ x7
STORAGE			
HDD	SATA x2	SATA x2	SATA x2
Data Export Device	USB HDD, USB Stick	USB HDD, USB Stick	USB HDD, USB Stick
NETWORK			
Client Connection	Gigabit Ethernet x1	Fast Ethernet x1	Fast Ethernet x1
Transmission Speed	15ips@Full HD per channel, same as recording stream	30 ips@Full HD per channel, same as recording stream	30 ips@Full HD per channel, same as recording stream
INTERFACE			
Audio In / Out	4 RCA / 1 RCA + 1 HDMI	4 RCA / 1 RCA + 1 HDMI	4 RCA / 1 RCA + 1 HDMI
Alarm In / Out	4 In / 1 Relay out	8 In / 1 Relay out	8 In / 1 Relay out
Alarm Reset In	-	-	-
Serial Interface	RS232 / RS485(Terminal Block)	RS232 / RS485(Terminal Block)	RS232 / RS485(Terminal Block)
GENERAL			
Operating System	Embedded Linux	Embedded Linux	Embedded Linux
Dimensions (W x H x D)	340mm x 46.5mm x 315.5mm (13.4" x 1.8 x 12.4")	340mm x 44mm x 302.3mm (13.4" x 1.7" x 11.9")	300mm x 67mm x 243.6mm (11.8" x 2.6 x 9.6")
Unit Weight	3.1kg (6.83 lb) (with 4TB 2HDDs)	2.9 kg (6.39 lb) (with 2 2TB HDD)	3.0 kg (with 2 2TB HDD)
Operating Humidity	0 % ~ 90 %	0 % ~ 90 %	0 % ~ 90 %
Power Input	Adaptor :Input : 100-240V AC, 50/60Hz, 1.5A, Output : 12V DC, 5A	Adaptor Input : 100-240V AC, 50/60Hz, 2.5A, Output : 42V DC, 3A	Adaptor : Input : 100-240V AC, 50/60Hz, 1.5A, Output : 12V DC, 5A
Power Consumption	12V=, 1.72A, 20.64W	42 V=, 2.5A, 105W	12 V=, 1.84 A, 22.1W
Approvals	FCC, CE, KC	FCC, CE, KC	FCC, CE, KC

TR-2000 SERIES

Model Name	DirectCX PoC 4 channel H.265 Recorder	DirectCX 4 channel H.265 Recorder
	NEW TR-2504P  NDAACompliant	TR-2504  NDAACompliant
VIDEO		
Video Inputs	4 BNC	4 BNC
Supported Camera Types	HD-TVI: 5MP, 4MP, 3MP, 1080P, 720P AHD: 5MP, 4MP, 3MP, 1080P, 720P CVBS: NTSC / PAL	HD-TVI: 5MP, 4MP, 3MP, 1080P, 720P AHD: 5MP, 4MP, 3MP, 1080P, 720P CVBS: NTSC / PAL
Video Outputs	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Display Resolution	HDMI: 3840 x 2160, 1920 x 1080, 1280 x 1024 VGA: 1920 x 1080, 1280 x 1024	HDMI: 3840 x 2160, 1920 x 1080, 1280 x 1024 VGA: 1920 x 1080, 1280 x 1024
Display Speed	Up to 120ips	Up to 120 ips
RECORDING		
Recording Resolution	2560 x 1920, 2560 x 1440, 1920 x 1536, 1920 x 1080, 1280 x 720, 960 x 576, 960 x 480, 720 x 576, 720 x 480, 960 x 288, 960 x 240, 640 x 360, 720 x 288, 720 x 240, 480 x 288, 480 x 240, 360 x 288, 360 x 240	2560 x 1920, 2560 x 1440, 1920 x 1536, 1920 x 1080, 1280 x 720, 960 x 576, 960 x 480, 720 x 576, 720 x 480, 960 x 288, 960 x 240, 640 x 360, 720 x 288, 720 x 240, 480 x 288, 480 x 240, 360 x 288, 360 x 240
Frame Rate	120ips@1080P, 72ips@3MP, 60ips@4MP, 40ips@5MP	120ips@1080P, 72ips@3MP, 60ips@4MP, 40ips@5MP
Recording Mode	Time-Lapse, Event, Pre-Event, Panic	Time-Lapse, Event, Pre-Event, Panic
Trigger Events	Motion, Video loss, Video Blind, Alarm in, Text-In, System	Motion, Video loss, Video Blind, Alarm in, Text-In, System
PLAYBACK		
Performance	4ch synchronous playback	4ch Synchronous Playback
Search Mode	Time-lapse, Event log, Text-in, Thumbnail	Time-lapse, Event log, Text-in, Thumbnail
Digital Zoom	x2 ~ x7	x2 ~ x7
STORAGE		
HDD	SATA x2	SATA x2
Data Export Device	USB HDD, USB Stick	USB HDD, USB Stick
NETWORK		
Client Connection	Fast Ethernet x1	Fast Ethernet x1
Transmission Speed	30 ips@Full HD per channel, same as recording stream	30 ips@Full HD per Channel, Same as Recording Stream
INTERFACE		
Audio In / Out	4 RCA / 1 RCA + 1 HDMI	4 RCA / 1 RCA + 1 HDMI
Alarm In / Out	4 In / 1 Relay out	4 In / 1 Relay out
Alarm Reset In	-	-
Serial Interface	RS232 / RS485 (Terminal Block)	RS232 / RS485 (Terminal Block)
GENERAL		
Operating System	Embedded Linux	Embedded Linux
Dimensions (W x H x D)	340mm x 44mm x 302.3mm (13.4" x 1.7" x 11.9")	300mm x 67mm x 243.6mm (11.8" x 2.6 x 9.6")
Unit Weight	2.68 kg (5.91 lb) (with 2 2TB HDD)	3.0 kg (with 2 2 TB HDD)
Operating Humidity	0 % ~ 90 %	0 % ~ 90 %
Power Input	Adaptor Input : 100-240V AC, 50/60Hz, 2.5A, Output : 42V DC, 2A	Adaptor: Input: 100-240V AC, 50/60Hz, 1.5A, Output: 12V DC, 5A
Power Consumption	42V=, 1.57A, 66W	12 V=, 1.7 A, 20.4 W
Approvals	-	FCC, CE, KC

TR-1000 SERIES | IDIS Compact Solution

Quality Compact Solution Packed with
Essential and Easy-To-Use Features



	DirectCX 8 channel H.265 Recorder	DirectCX 4 channel H.265 Recorder
	TR-1508	TR-1504
Model Name	 NDA Compliant	 NDA Compliant
VIDEO		
Video Inputs	8 BNC	4 BNC
Supported Camera Types	HD-TVI: 5MP, 4MP, 3MP, 1080P, 720P AHD: 5MP, 4MP, 3MP, 1080P, 720P CVBS: NTSC / PAL	HD-TVI: 5MP, 4MP, 3MP, 1080P, 720P AHD: 5MP, 4MP, 3MP, 1080P, 720P CVBS: NTSC / PAL
Video Outputs	1 HDMI, 1 BNC(Spot)	1 HDMI, 1 VGA, 1 BNC(Spot)
Display Resolution	HDMI / VGA: 1920 x 1080, 1280 x 1024 Composite: 720x480 (NTSC) , 720 x 576 (PAL)	HDMI / VGA: 1920 x 1080, 1280 x 1024 Composite: 720x480 (NTSC) , 720 x 576 (PAL)
Display Speed	Up to 120ips	Up to 120ips
RECORDING		
Recording Resolution	2560 x 1944, 2560 x 1440, 1920 x 1536, 1920 x 1080, 1280 x 720, 960 x 480, 720 x 576, 720 x 480, 960 x 288, 960 x 240, 640 x 360, 720 x 288, 720 x 240, 480 x 288, 480 x 240, 360 x 288, 360 x 240	2560x1944, 2560x1440, 1920x1536, 1920x1080, 1280x720, 960x480, 720x576, 720x480, 960x288, 960x240, 640x360, 720x288, 720x240, 480x288, 480x240, 360x288, 360x240
Frame Rate	240ips@1080P, 144ips@3MP, 120ips@4MP, 80ips@5MP	120ips@1080P, 72ips@3MP, 60ips@4MP, 40ips@5MP
Recording Mode	Time-Lapse, Event, Pre-Event, Panic	Time-Lapse, Event, Pre-Event, Panic
Trigger Events	Motion, Video loss, Alarm in, System	Motion, Video loss, Alarm in, System
PLAYBACK		
Performance	8ch Synchronous Playback	4ch 1080p Synchronous Playback
Search Mode	Time-lapse, Event log	Time-lapse, Event log
Digital Zoom	x2 ~ x7	x2 ~ x7
STORAGE		
HDD	SATA x1	SATA x1
Data Export Device	USB HDD, USB Stick	USB HDD, USB Stick
NETWORK		
Client Connection	Fast Ethernet x1	Fast Ethernet x1
Transmission Speed	30ips@Full HD per channel, same as recording stream	30ips@Full HD per channel, same as recording stream
INTERFACE		
Audio In / Out	1 RCA / 1 RCA + 1 HDMI	1 RCA / 1 RCA + 1 HDMI
Alarm In / Out	4 In / 1 Relay Out	4 In / 1 Relay Out
Alarm Reset In	-	-
Serial Interface	-	-
GENERAL		
Operating System	Embedded Linux	Embedded Linux
Dimensions (W x H x D)	230mm x 46.5mm x 241.1mm(9.1" x 1.8" x 9.5")	205mm x 44.5mm x 223.4mm(8.07" x 1.75" x 8.80")
Unit Weight	1.65kg (3.6lb) (with 4TB HDD)	1.3kg(0.7lb) (with 2TB HDD)
Operating Humidity	0% ~ 90%	0% ~ 90%
Power Input	(a) US/J/P Adaptor Input: 100-240V AC, 50/60Hz, 1.0A, Output: 12V DC, 3A (b) UK, ETC Adaptor Input: 100-240V AC, 50/60Hz, 1.2A, Output: 12V DC, 3A (c) KR Adaptor Input: 100-240V AC, 50/60Hz, 0.8A, Output: 12V DC, 3A	(a) US/J/P Adaptor: Input: 100-240V AC, 50/60Hz, 1.0A, Output: 12V DC, 3A (b) UK, ETC Adaptor: Input: 100-240V AC, 50/60Hz, 1.2A, Output: 12V DC, 3A (c) KR Adaptor: Input: 100-240V AC, 50/60Hz, 0.8A, Output: 12V DC, 3A
Power Consumption	12V=, 1.1A, 13.2W	12V=, 0.75A, 9W
Approvals	FCC, CE, KC	FCC, KC

HD-TVI DOME CAMERAS

Model Name	DirectCX 5MP IR Dome Camera			
	TC-D5532WRX	TC-D5532RX	TC-D5531RX	TC-D5511RX
	 5M	 5M	 5M	 5M
VIDEO				
Image Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor
Max. Resolution	2592 x 1944	2592 x 1944	2592 x 1944	2592 x 1944
Scanning Mode	Progressive Scan	Progressive Scan	Progressive Scan	Progressive Scan
Frame Rate	TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video)	TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video)	TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video)	TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video)
Lens Type	Motorised Vari-focal	Motorised Vari-focal	Motorised Vari-focal	Fixed-focal
Focal Length	f = 3.0 mm - 13.5 mm	f = 3.0 mm - 13.5 mm	f = 3.0 mm - 13.5 mm	f = 2.0 mm
Iris Control	DC Iris	DC Iris	DC Iris	Fixed Iris
Angular Field of View	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38°(D)	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38°(D)	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38°(D)	104.8° (H) 76.9°(V) 130°(D)
Pan / Tilt Range	Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177°	Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177°	Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177°	Pan : -170° ~ 170° Tilt : -5° ~ 67.5° Rotate: -109° ~ 109°
Min. Illumination	Colour : 0.13 Lux @ F1.4 B/W : 0 Lux (IR LED On)	Colour : 0.13 Lux @ F1.4 B/W : 0 Lux (IR LED On)	Colour : 0.13 Lux @ F1.4 B/W : 0 Lux (IR LED On)	Colour : 0.15 Lux @ F 2.0 B/W : 0 Lux (IR LED On)
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	30 m / 98.4 ft (4 ea)	30 m / 98.4 ft (4 ea)	30 m / 98.4 ft (4 ea)	20 m / 65.6 ft (4 ea)
Video Out	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)
FUNCTION				
Sens-Up	Off / x2 ~ x32	Off / x2 ~ x32	Off / x2 ~ x32	Off / x2 ~ x32
Wide Dynamic Range (WDR)	Off / Frame / Line (Low, Middle, High) ROI Mode Availbale	Off / Frame / Line (Low, Middle, High) ROI Mode Availbale	Off / Frame / Line (Low, Middle, High) ROI Mode Availbale	Off / Frame / Line (Low, Middle, High) ROI Mode Availbale
Backlight Compensation (BLC)	Off / On	Off / On	Off / On	Off / On
HLC	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable (All Day / Night Only)
Privacy Masking	Off / On (24 Zone) BOX:16 POLYGON:8	Off / On (24 Zone) BOX:16 POLYGON:8	Off / On (24 Zone) BOX:16 POLYGON:8	Off / On (24 Zone) BOX:16 POLYGON:8
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable	0 ~ 20 Level Adjustable	0 ~ 20 Level Adjustable	0 ~ 20 Level Adjustable
Digital Noise Reduction	Off / Low / Middle / High	Off / Low / Middle / High	Off / Low / Middle / High	Off / Low / Middle / High
De-Fog	Off / On	Off / On	Off / On	Off / On
Language	ENG / CHN / CHN(S) / JPN / KOR	ENG / CHN / CHN(S) / JPN / KOR	ENG / CHN / CHN(S) / JPN / KOR	ENG / CHN / CHN(S) / JPN / KOR
Menu Control	OSD Button, TVI / AHD Coaxial Protocol	OSD Button, TVI / AHD Coaxial Protocol	OSD Button, TVI / AHD Coaxial Protocol	OSD Button, TVI / AHD Coaxial Protocol
ENVIRONMENTAL				
Vandal Proof Casing	IK10	-	-	-
Outdoor Ready	IP67	-	-	-
Operating Temperature	-10°C ~ +55°C (14°C ~ +131°C) (Humidity : 0% ~ 90%)	-10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%)	-10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%)	-10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%)
MECHANICAL				
Dimensions (W x H x D)	Ø155 mm x 105 mm (6.1" x 4.13")	Ø122 mm x 103.4 mm (4.8" x 4.07")	Ø122 mm x 103.4 mm (4.8" x 4.07")	Ø110 mm x 78 mm (4.33" x 3.07")
Weight	0.815kg (1.8 lb)	0.3 kg (0.66 lb)	0.285 kg (0.63 lb)	0.177 kg (0.39 lb)
ELECTRICAL				
Power Source	DC 12V, AC 24V	DC 12V, AC 24V	DC 12V	DC 12V
Power Consumption	DC 12 V / 8 W, AC 24V / 8.3 W	DC 12 V / 8 W, AC 24V / 8.3 W	6.6W	3.4W

HD-TVI BULLET CAMERAS

	DirectCX 5MP IR Bullet Camera		
	TC-T5532WRX	TC-T5531WRX	TC-T5511WRX (4.0mm / 6.0mm)
Model Name	 5M	 5M	 5M
VIDEO			
Image Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor
Max. Resolution	2592 x 1944	2592 x 1944	2592 x 1944
Scanning Mode	Progressive Scan	Progressive Scan	Progressive Scan
Frame Rate	TVI: 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD: 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS: NTSC / PAL (for previewing video)	TVI: 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD: 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS: NTSC / PAL (for previewing video)	TVI: 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD: 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS: NTSC / PAL (for previewing video)
Lens Type	Motorised Vari-focal	Motorised Vari-focal	Fixed-focal
Focal Length	f = 3.0 mm - 13.5 mm	f = 3.0 mm - 13.5 mm	f = 4.0 mm / 6.0 mm
Aperture	F 1.4 - 3.2	F 1.4 - 3.2	4.0mm=F 2.15, 6.0mm=F1.6
Iris Control	DC IRIS	DC IRIS	Fixed Iris
Angular Field of View	Wide: 91°(H) 66°(V) 120°(D) Tele: 31°(H) 23°(V) 38°(D)	Wide: 91°(H) 66°(V) 120°(D) Tele: 31°(H) 23°(V) 38°(D)	79.2° (H) 56.6°(V) 103°(D) (f = 4.0 mm) 49.9° (H) 37°(V) 63.6°(D) (f = 6.0 mm)
Min. Illumination	Colour: 0.13 Lux @ F1.4 B/W: 0 Lux (IR LED On)	Colour: 0.13 Lux @ F1.4 B/W: 0 Lux (IR LED On)	Colour: 0.17 Lux @ F1.6, B/W: 0 Lux (IR LED On) (f = 4.0 mm) Colour: 0.11 Lux @ F1.6, B/W: 0 Lux (IR LED On) (f = 6.0 mm)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	30 m / 98.4 ft (4ea)	30 m / 98.4 ft (4ea)	20 m / 65.6ft (4ea)
Video Out	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)
FUNCTION			
Sens-Up	Off / x2 ~ x32	Off / x2 ~ x32	Off / x2 ~ x8
Wide Dynamic Range (WDR)	Off / Frame / Line (Low, Middle, High) ROI Mode Availbale	Off / Frame / Line (Low, Middle, High) ROI Mode Availbale	Off / Frame / Line (Low, Middle, High) ROI Mode Availbale
Backlight Compensation (BLC)	Off / On	Off / On	Off / On
HLC	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable (All Day / Night Only)
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable	0 ~ 20 Level Adjustable	-
Digital Noise Reduction	Off / Low / Middle / High	Off / Low / Middle / High	Off / Low / Middle / High
De-Fog	Off / On	Off / On	Off / On
Language	ENG / CHN / CHN(S) / JPN / KOR	ENG / CHN / CHN(S) / JPN / KOR	ENG / CHN / CHN(S) / JPN / KOR
Menu Control	OSD Button, TVI / AHD Coaxial Protocol	OSD Button, TVI / AHD coaxial protocol	OSD Button, TVI / AHD coaxial protocol
ENVIRONMENTAL			
Vandal Proof Casing	IK10	IK10	-
Outdoor Ready	IP67	IP67	IP66
Storage Temperature	-20°C ~ +60°C (-4°F ~ +140°F) (Humidity: 0% ~ 95%)	-20°C ~ +60°C (-4°F ~ +140°F) (Humidity: 0% ~ 95%)	-20°C ~ +60°C (-4°F ~ +140°F) (Humidity: 0% ~ 95%)
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F) (Humidity: 0% ~ 90%)	-10°C ~ +55°C (+14°F ~ +131°F) (Humidity: 0% ~ 90%)	-10°C ~ +55°C (+14°F ~ +131°F) (Humidity: 0% ~ 90%)
MECHANICAL			
Dimensions (W x H x D)	80 mm x 75 mm x 237 mm (3.15" x 2.95" x 9.33")	80 mm x 75 mm x 237 mm (3.15" x 2.95" x 9.33")	70 mm x 60 mm x 182.7 mm (2.75" x 2.36" x 7.19")
Weight	0.87 kg (1.92 lb)	0.87 kg (1.92 lb)	0.24 kg (0.53 lb)
ELECTRICAL			
Power Source	DC 12 V, AC 24 V	DC 12 V	DC 12 V
Power Consumption	DC12V / 8 W, AC 24 V / 8.3 W	6.6 W	3.4 W

HD-TVI BOX CAMERA

Model Name	DirectCX 5MP Box Camera	
	TC-B5501X	
	 5M	
VIDEO		
Image Sensor	1/2.8" CMOS Sensor	
Max. Resolution	2592 x 1944	
Scanning Mode	Progressive Scan	
Frame Rate	TVI: 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD: 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS: NTSC / PAL(for previewing video)	
Lens Type	Optional (C/CS Mount Lens)	
Focal Length	-	
Iris Control	DC Iris	
Angular Field of View	-	
Pan / Tilt Range	-	
Min. Illumination	Colour: 0.11 Lux @ F 1.6 B/W: 0.06 Lux @ F 1.6	
Day and Night	Yes (ICR)	
IR Distance (LEDs)	-	
Video Out	1 HD BNC (Signal Switchable)	
FUNCTION		
Sens-Up	Off / x2 ~ x32	
Wide Dynamic Range (WDR)	Off / Frame / Line (Low, Middle, High) ROI Mode Availbale	
Backlight Compensation (BLC)	Off / On	
HLC	1 ~ 20 Level Adjustable (All Day / Night Only)	
Privacy Masking	Off / On (24 Zone) BOX:16 POLYGON:8	
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable	
Digital Noise Reduction	Off / Low / Middle / High	
De-Fog	Off / On	
Language	ENG / CHN / CHN(S) / JPN / KOR	
Menu Control	OSD Button, TVI / AHD coaxial protocol	
ENVIRONMENTAL		
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F)	
MECHANICAL		
Dimensions (W x H x D)	74 mm x 60 mm x 121.9mm (2.91" x 2.36" x 4.8")	
Weight	0.24 kg (0.53 lb)	
ELECTRICAL		
Power Source	DC 12 V	
Power Consumption	1.8 W	

5MP

DirectCX 5MP Box Camera
TC-B5501X



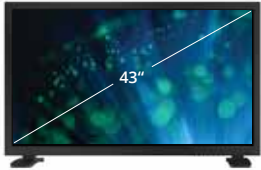
SECURITY MONITORS

Bringing you the Ultimate Surveillance Experience

The IDIS DirectView monitor has been specially designed for use in control rooms with an array of surveillance-oriented features which addresses the needs of security environments.



SECURITY MONITORS

	43" Full HD Standard Monitor	32" Full HD Standard Monitor	21.5" Full HD Standard Monitor
	SM-F432	SM-F322	SM-F212
Model Name			
PANEL			
Type	LED	LED	LED
Screen Size	43 Inch	32 Inch	21.5 Inch
Active Display Area	941.184 mm(H) x 529.416 mm(V)	698.40 mm(H) x 392.85 mm(V)	476.64 mm(H) x 268.11 mm(V)
Max. Resolution	1920 x 1080 @ 60 Hz	1920 x 1080 @ 60Hz	1920 x 1080 @ 60 Hz
Brightness	300 cd / m ²	250 cd / m ²	220 cd / m ²
Contrast Ratio	1200: 1	1200: 1	1000: 1
Viewing Angle (H/V)	178° / 178°	178° / 178°	170° / 160°
Frequency (H/V)	30~80 Khz / 50~75 Khz	30~80 Khz / 50~75K hz	30~80 Khz / 50~75 Khz
Response Time (G2G)	<8 ms	<6.5 ms	<5 ms
INTERFACE			
Hybrid (AHD,TVI,CVI,CVBS) In/Out	1/1	1/1	-
HDMI In	1	1	1
Display Port	-	-	-
VGA Input	1	1	1
DVI In/Out	-	-	-
Audio In/Out	1 / 1	1 / 1	1 / 0
BNC Video In/Out	1 / 1	1 / 1	1 / 1
RS232 In/Out	-	-	-
USB	-	-	-
GENERAL			
Outline Dimension(WxHxD)	985.0 mm x 614.77 mm x 180.0 mm (38.78" x 24.20" x 7.09")	741.2 mm x 472.9 mm x 180.0 mm (29.18" x 18.62" x 7.09")	507.0 mm x 370.2 mm x 149.1 mm (19.96" x 14.56" x 5.87")
Bezel width (Spec. for VideoWall)	-	-	-
Net Weight/Gross Weight	15.6 Kg (34.4 lb) / 19.5 Kg (42.99 lb)	12.5 Kg (27.56 lb) / 15.6 Kg (34.4 lb)	3.8 Kg (8.38 lb) / 4.8 Kg (10.58 lb)
Material/Colour	Metal / Black	Metal / Black	Plastic / Black
Warranty-Parts/Labor	3 Year / 3 Year	3 Year / 3 Year	3 Year / 3 Year
MTBF	50,000 Hours (Panel)	50,000 Hours (Panel)	50,000 Hours (Panel)
Power Supply	AC 100~240 V (50 / 60 Hz)	AC 100~240 V (50 / 60 Hz)	DC 12V, 3A (AC 100~240 V [50/60Hz])
Power Consumption - Typical	67 W	50 W	25.2 W
- Stand by	<0.5 W	<0.5 W	<0.5 W
Power Savings(DPMS)	Yes	Yes	Yes
Operating Temperature	-10°~50°C (+14°F~122°F)	-10°~50°C (+14°F~122°F)	0°~40°C(32°F~104°F)
Storage Temperature	-20°~60°C (-4°F~140°F)	-20°~60°C (-4°F~140°F)	-20°~60°C(-4°F~140°F)
Built-In Speaker	Yes (5W x 2)	Yes (5W x 2)	Yes(3W x 2)
Remote Control	Yes	Yes	Yes
VESA Mount Size	300 mm x 300 mm / M6 x 10 Screws	200 mm x 200 mm / M6 x 10 Screws	100 mm x 100 mm / M4 x 6 Screws
Operation Hours	24/7	24/7	24/7
Prevent Burn-In	Yes	Yes	Yes

*DVI Port Pass through up to 10 X 10

About IDIS
IDIS Technology
IDIS Network Products
AV Costar Products
IDIS HD Analogue Products
IDIS & AV Costar Camera Mounts

ACCESS CONTROL SOLUTION

Our integrated access control and video surveillance management solution provides advanced system control for strengthened security and convenience. Users can manage people flow and access to facilities effectively by monitoring the real-time status of staff and visitors on-site. Historical data analysis provides comprehensive management reports and audit trails to satisfy industry, state and federal government specific regulations.



ACCESS CONTROL

Model Name	UBio-X Slim
	Premium Card & Fingerprint Recognition Terminal
	
OS	Embedded LINUX 3.4
Fingerprint Sensor Type	Slim / Flat Optical
CPU	Quad Core 1.4GHz (Cortex-A9)
Memory	8 Gbyte Flash DDR3 2GB RAM (512MB x 4)
Display	5" Colour TFT LCD with Touch
RF / Smart card option	13.56MHz Samrt Card Reader, 125KHz-EM, HID Prox/iClass (Optional) RF Card Reader
Capacity	Max User: 500,000 Fingerprint 1: 200,000 Templates < 1sec> Event Logs: 10,000,000 Photo Logs: 50,000
Interface	RS-232/RS-485 Wiegand IN/OUT Wifi (Optional) USB 2.0 OTG
Dimension (W x H x D)	80 mm x 195.6 mm x 23.5 mm (Upper) / 54.67 (Lower)
Approvals	KC, CE, FCC

Model Name	UBio-X Iris
	Multi-Biometric Iris & Fingerprint Recognition Terminal
	
Biometric	Iris & Fingerprint
CPU	Cortex-A9 Quad Core 1.0GHz
Memory	eMMC 16GByte DDR3 533MHz 2GB (512MB x 4)
Display	5" Touch LCD
RF / Smart card option	13.56MHz Samrt Card Reader (Module), ISO 14443A/B, MiFare, Felica,125KHz RF Card Reader (Module), EM, 125KHz HID Prox Card Reader (Optional)
Image Standard	ISO/IEC 19794-6 2011 ISO/IEC 29794-6
Capacity	Up to 200,000 (1 Iris/1 User) Up to 200,000 (1 Finger/ 1 User) Iris 1: 40,000 < 1> Fingerprint 1: 100,000 < 1sec> Event Logs: 10,000,000 Photo Logs: 20,000
Dimension (W x H x D)	160.6 mm x 214 .1 mm x 45.7 mm
Approvals	KC, CE, FCC, IEC62471

Model Name	UBio-X Face Pro
	NEW Face-to-Fingerprint & Card & QR & Password Recognition Terminal
	
Biometric	Face & FingerPrint
CPU	1.8GHz QUAD-Core
Memory	16GB eMMC Flash +4GB (LPDDR4) Ram
Interface	Externa 10 / 100M / 1000M 1 Port, RS-485, RS-232 2 Port, Wiegand IN / OUT 1 Port, Relay 2 Port, USB 2.0 1Port
Capacity	Face = 1: N: 30,000 / 1:1 30,000 FingerPrint = 1: N: 50,000 / 1:1 500,000 Event Log = 10,000,000 Picture Log = 20,000
Display	5" Colour Touch Screen
Dimension(W x H x D)	92 mm x 200 mm x 21 mm
IP Rating	IP55
Approvals	KC, CE, FCC

Ubio-X

Integrated Access Control and Video Tech

NETWORK ACCESSORIES



	Network Keyboard			
	NK-1200			
Model Name				
Key Features	· Remote control of NVRs, network video transmitters, network video receivers and network cameras via network connection · Control of NVRs by using a USB mouse via network connection · Two-way audio communication · Convenient firmware upgrades via either the USB port or ethernet · Firmware duplication and auto-recovery functions to enhance system stability · Management of multiple network keyboards via network connection · Programmable by using the LCD screen · Supports PoE (IEEE 802.3af class 0)			

	SFP Transceiver	
	FTLF1318P3BTL	FTLF8519P3BNL
Model Name		
Key Features	· Up to 10km on 9/125µm SMF · Up to 1.25Gb/s bi-directional data links · Hot-pluggable SFP footprint · 1310nm Fabry-Perot laser transmitter · Compatibility with DH series and DA-MC1101	· Up to 500m on 50/125µm MMF, 300m on 62.5/125µm MMF · Up to 2.125 Gb/s bi-directional data links · Hot-pluggable SFP footprint · 850nm Oxide VCSEL laser transmitter · Compatibility with DH series and DA-MC1101

	4 Bay eSATA Storage			
	DA-ES1104A	DA-ES1104B	DA-ES1104C	DA-ES1104D
Model Name	 			
Interface	eSATA x 1			
Number of Drives	SATA II x 4			
Drive Size	3.5"			
Drive Type	SATA II			
Yes Device	TR-4308 (R)/16 (R)	DR-2304P (-A)/08P (-A)/16P (-A), DR-4308P/16PS, DR-6308P- (S)A/16PS- (S)A/32PS- (S)A, DR-2404P (-A), DR-6508P/16P/32P, TR-4408 (R)/16 (R)	Up to 6TB: IR-100 Up to 10TB: DR-8364 (F) (D)	Compatible Recorder IR-300A, IR-310 (D)
Type and Rate	SATA II (3Gbps)			
RAID	0, 1 + 0, 5			
Max Drive Capacity	24TB (up to 6TB per bay)	16TB (up to 4TB per bay)	40TB (up to 10TB per bay)	40TB (up to 10TB per bay)
Dimensions (W x H x D)	480 mm x 44 mm x 346 mm (18.9" x 1.7" x 13.6")			
Weight	6.4 kg (14.11 lb)			
Operation Temperature	0°C ~ 45°C (32°F ~ 113°F)			
Power Input	100 V ~ 240 VAC, 0.6-0.3 A, 50 / 60 Hz			
Power Consumption	100-240V~, 50/60Hz, 0.6-0.3A, 40W			
Approvals	FCC, CE			

	Long Range PoE Extender	Single Port PoE Injector	Single Port High-PoE Injector
	DA-LP1101R / DA-LP1101T	DA-PI2101	PoE400
Model Name			
Key Features	- Up to 500m PoE transmission between devices using UTP cabling - Up to 700m DATA transmission between equipments using UTP cabling - Plug-and-playWithout any required PC setting - Supports 1Gbps / IEEE802.3at for PoE Injector - Supports 1Gbps / IEEE802.3at / 100m for PoE Repeater	- Up to 30W of PoE power feeding on two pairs - Compatible with IEEE 802.3af, IEEE 802.3at - Protects low power devices to receive only the power they need - Parallel slide-in design for easy installation	- Up to 90W of PoE Power - Compatible with IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt - Protects low power devices to receive only the power they need - Support 10/100/1000 Base-T Lan environment - Compatible with DC-S6286HRXL (-A), DC-S6881HRX (-A), DC-S6681HRX (-A)

Network Keyboard
 NK-1200

Effortless Control, Seamless Communication, and Revolutionize Surveillance Management



	DirectIP Gigabit PoE Switch				
	DH-2328PF-A	DH-2026PF	DH-2212PF	DH-2018P	DH-2010P
Model Name					
Key Features	- Individual port data transmission to DirectIP NVR - PoE (IEEE 802.3af, IEEE 802.3at) compliant - Maximum per-device PoE delivery of 370W available for 1 to 24 RJ45 ports - Central power control for greater network utility - Supports 24 RJ45 ports and 4 SFP slots	- Individual port data transmission to DirectIP NVR - PoE (IEEE 802.3af, IEEE 802.3at) compliant - Maximum per-device PoE delivery of 360W available for 1~24 RJ45 ports - Central power control for greater network utility - Supports 24 FE RJ45 ports and Uplink 2 GbE RJ45 / 2 GbE SFP combo slots	- Individual port for data transmission to DirectIP NVR - PoE (IEEE 802.3af, IEEE 802.3at) compliant - Maximum per-device PoE delivery of 140W available for 1 to 8 RJ45 ports - Central power control for greater network utility - Supports 8+2 RJ45 ports and 2 SFP slots	- Individual port for data transmission to DirectIP NVR - PoE (IEEE 802.3af, IEEE 802.3at) compliant - Maximum per-device PoE delivery of 140W available for 1 to 16 RJ45 ports - Central power control for greater network utility - Supports 16+2 RJ45 ports	- Individual port for data transmission to DirectIP NVR - PoE (IEEE 802.3af, IEEE 802.3at) compliant - Maximum per-device PoE delivery of 70W available for 1 to 8 RJ45 ports - Central power control for greater network utility - Supports 8+2 RJ45 ports

NETWORK ACCESSORIES

Model Name	HDMI/VGA Video Encoder
	DP-HE1201
	 
Video codec	H.265, H.264, MJPEG, Intelligent Codec
Max. Framerate	3840 x 2160 @ 30ips
Bitrate	Up to 18MP
Max Resolution	3840 x 2160
Streaming	Quadruple Streaming
Max.Network Throughput	50 Mbps
Built-in OSD	English, Korean
Input	1 x HDMI, 1 x VGA
Output	1 x HDMI (Input Bypass) 1 x VGA (Input Bypass)
Audio Input / output	1 x line in (3.5 mm) / 1 x line out (3.5 mm)
Network interface	1 x RJ 45 (10/100)
IP Camera Protocol	DirectIP 2.0, ONVIF
Power source	12VDC, PoE (IEEE 802.3af Class 3)
Power Consumption	12V= 0.95A, 11.4W PoE, IEEE 802.3af (Class 3)
Approvals	FCC, CE, KC

Model Name	Encoder
	DP-DE2108
	 
Video Input	8 BNC
Max Resolution	2560 x 1920
Video Compression	H.265, H.264
Max Frame Rate	240 ips@1080 P, 144 ips@ 3 MP, 120 ips@ 4 MP, 80 ips@ 5 MP
Multi-video Streaming	Quadruple Streaming
Ethernet	RJ 45 (10/100 BASE-T)
Trigger Event	Motion Detection, Tampering, Trip Zone, Video Loss
Audio In / Out	4 / -
Operating Temperature	0°C ~ 40°C (+32 F ~ +104 F)
Operating Humidity	0% ~ 90 %
Power Source	12 VDC, PoE IEEE 802.3 af (Class 3)
Power Consumption	12 V=, 0.8 A, 10 W PoE, IEEE 802.3 af (Class 3), 10 W
Approvals	FCC, CE, KC
Dimensions	200 mm x 44 mm x 165.2 mm (7.9" x 1.7" x 6.5")
Weight	0.81 kg (1.79 lb)

Model Name	Alarm Box
	AL-1112
	
Alarm Input	8 Digital-Input -Dry contact,Wet contact High: Open or DC 5V ~ DC 30V Low: Short or DC 0V ~ DC 1.8V
Alarm Output	4 Relay-out NC, -, COMMON
Power Output	12 VDC (300mA), 5 VDC (400mA)
Ethernet	10 / 100 Mbps
DirectIP Yes	Yes
USB	Yes (Spare)
PoE (class)	Yes (IEEE 802.3at Class 4)
Power source	12 VDC, 24 VAC, PoE
Power Consumption	12V=, 2.19A, 26.3W 24V~, 1.57A, 22.9W, 50/60Hz PoE, IEEE 802.3at (Class 4), 23W
Approvals	FCC, CE, KC

Model Name	Decoder
	DP-DD1316
	 
Video Compression	H.264, H.265
Video Input	16ch IP
Video Input Resolution	up to 12MP
Yes Devices	DirectIP NVR, IDIS IP Camera
Video Outputs	1 HDMI, 1 VGA, 1 CVBS
Display Resolution	HDMI: 3840 x 2160, 2560x1440, 1920x1200, 1920x1080, 1680x1050, 1600x1200 VGA: 2560x1440, 1920x1200, 1920x1080, 1680x1050, 1600x1200 CVBS: 720x480 (NTSC), 720x576 (PAL)
Display Speed	Up to 480ips
Max. Network Throughput	90Mbps
Newtork Connection	Gigabit Ethernet x1
PoE (Class)	Yes (IEEE 802.3af Class 3)
Power Source	12VDC, PoE
Power Consumption	v12V=, 1.4A, 16.8W PoE, IEEE 802.3at (Class 4)
Approvals	FCC, CE, KC



SOFTWARE SOLUTIONS

Enterprise-Class and Multi-Site VMS



IDIS SOLUTION SUITE

IDIS Solution Suite Expert is a program that manages multiple NVRs and IP cameras for large-scale applications.

Administration

The IDIS Solution Suite Administration service module defines an IDIS Solution Suite system whereby all other service modules are registered to the module to enable centralised management of access privileges and device management, such as device FW upgrade, remote device configuration, and configuration of all the other IDIS Solution Suite service modules in use.

Monitoring

The IDIS Solution Suite Monitoring service module allows centralised event dispatch services allowing you to route a specific set of events to a specific (group of) user (s) based on the event types, schedule, and user groups. For example, system health-related events can be routed to maintenance department operators, while other events can be routed to loss prevention managers.

Streaming

The IDIS Solution Suite Streaming service module allows up to 64 remote users to access live video streams.

Recording

The IDIS Solution Suite Recording service module is where video is recorded directly from IP cameras or IP video encoders. This module running on a PC server platform can be configured to utilise a centralised storage solution with a much bigger size, such as SAS or iSCSI/SAN. In addition, it allows you to add up to 64 IDIS Solution Suite Recording service modules to your IDIS Solution Suite System.

Redundancy

The IDIS Solution Suite Redundant recording module allows users to provide a tandem recording. Users can create redundant video in a separate server, which can be located in a remote location. In the event of the primary IDIS Solution Suite recording server being destroyed, your data is then protected in a remote location.

IDIS Client



IDIS CENTER

IDIS Center is a central management software solution that supports live monitoring, video Playback, as well as advanced management tools, including event monitoring, e-maps, and condition monitoring devices.



IDIS MOBILE +

You can access a remote NVR, monitor live video images, and search recorded video using an iPhone, iPad, Android phone, and Android tablet PC any time from virtually anywhere.



IDIS WEB

IDIS Web is a program that allows you to view and search video from remote locations over the Internet and can be accessed on a regular Web browser. IDISWeb can be downloaded from Web browsers in ActiveX format.



Backup

The IDIS Solution Suite Backup service module can be used to provide an offline backup of video. This service module allows you to choose a set of cameras to be archived on a pre-programmed schedule, enabling you to archive your video, while minimising network traffic during peak hours of operation. Further, the IDIS Solution Suite Backup service provides two additional options to maximise the data retention period of your offline backup storage; summary backup and event video only backup mode.

VideoWall

The IDIS Solution Suite VideoWall service allows operators to manage and control any camera from DirectIP NVRs, DirectCX HD Analogue or DirectIP cameras recording on an IDIS Solution Suite server. Operators also benefit from a single interface and unified experience using the network keyboard, NK-1100. Plus, the VideoWall service allows users to expand their surveillance capability by encompassing up to 384 monitors.

Federation

IDIS Solution Suite Federation module works in a very similar way to the IDIS Solution Suite Administration service module by enabling you to create a federation of multiple IDIS Solution Suite systems. This service module allows for the centralized management of access privilege control over devices registered to multiple IDIS Solution Suite systems.

IDIS Solution Suite Federation also allows your video surveillance system to grow into a practically unlimited number of cameras. For example, each IDIS Solution Suite system can manage up to 1,024 devices, and each device can have up to 64 IP cameras (DR-8364). Each IDIS Solution Suite system can handle up to 64,000 cameras, and the IDIS Solution Suite Federation allows multiples of these systems.

Failover

IDIS Solution Suite Failover service modules provide service grade redundancy. The Failover services can be applied to different service modules, such as Administration, Federation, Recording, Streaming or VideoWall services.

If one of the PC servers fails or if one of the services is interrupted, the corresponding Failover module will take over the operation with minimal interruption. If the failed servers or services are recovered, the operation will recover and return to normal operation.

CAMERA CONFIGURATION TREE

- Adapter Plate · Mount Adapter · Box Housing · Sun Shield
- Junction Box · Flush Mount · Tilt Mount · Wall Mount
- Ceiling Mount · Pole Mount · Corner Mount





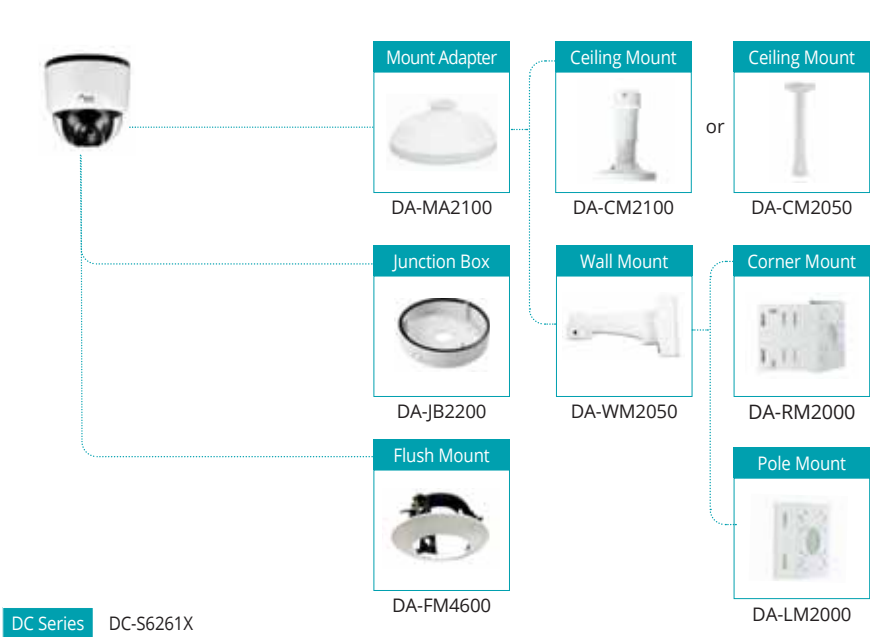
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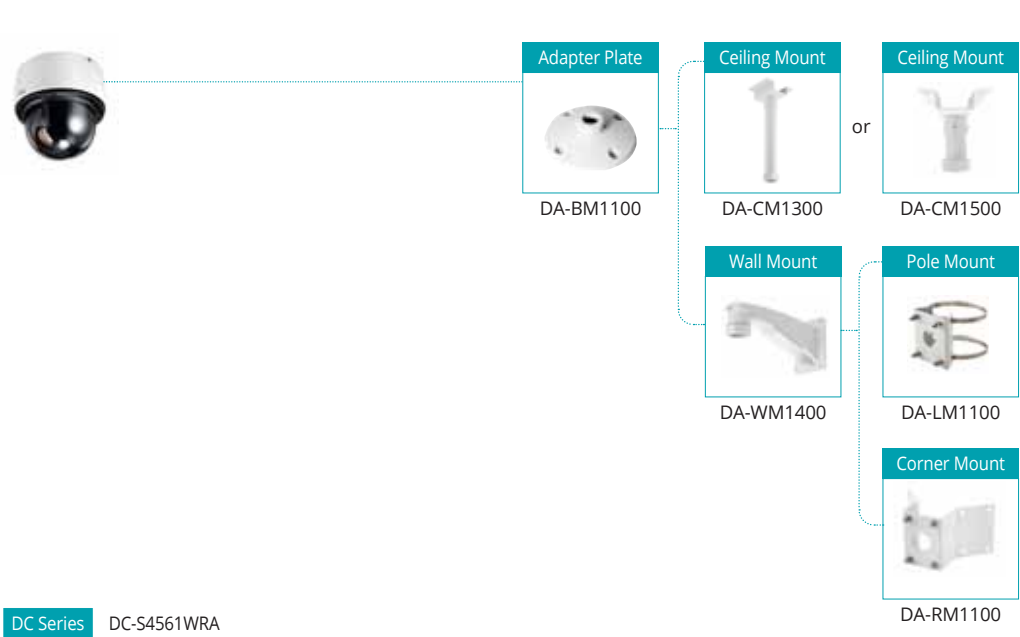
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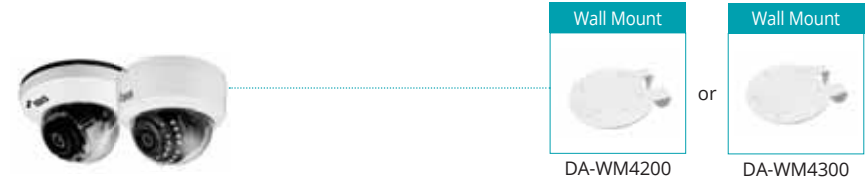
SPEED DOME (3)



SPEED DOME (4)

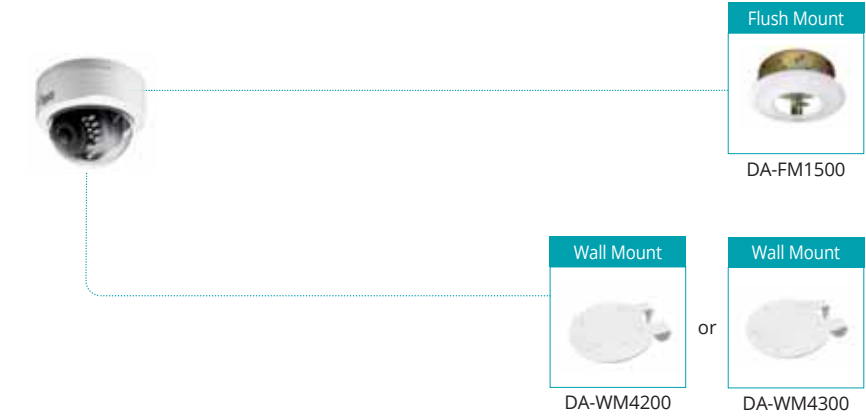


DOME (1)



- DC Series DC-D4217RX
- TC Series TC-D4211RX

DOME (3)



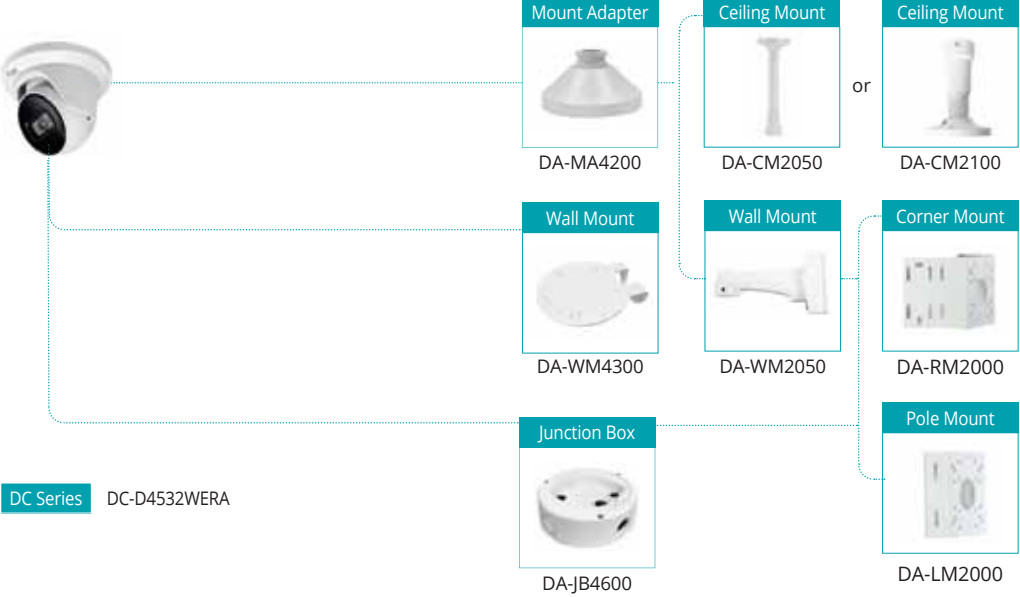
- TC Series TC-D4222RX, TC-D4221RXP

DOME (2)



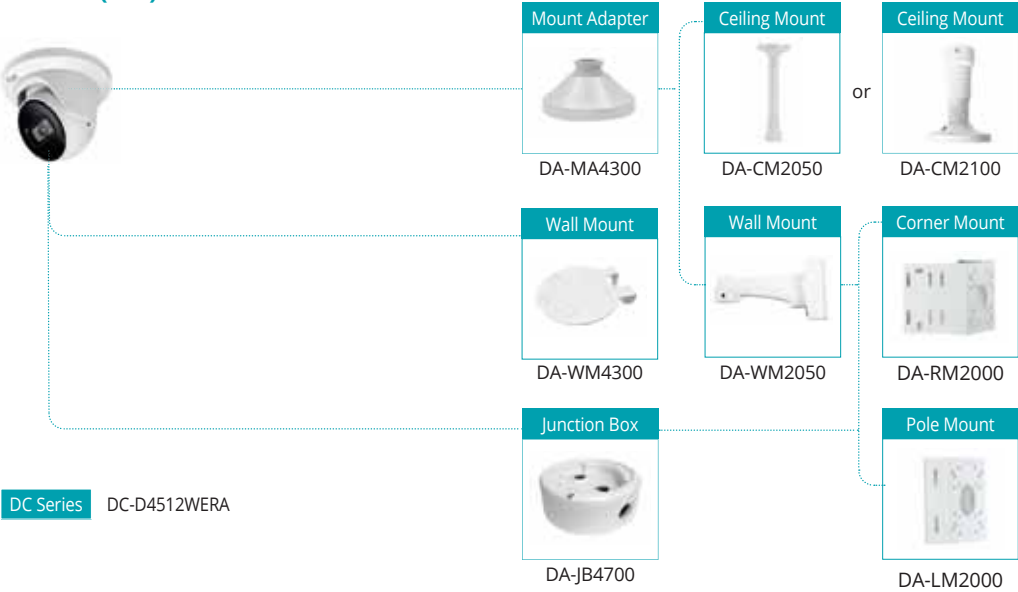
- DC Series DC-D4537RXA, DC-D4536RX, DC-D4237RX, DC-D4236RX, DC-D4236X
- TC Series TC-D5532RX, TC-D5531RX, TC-D5531RXP-A

DOME (4)



- DC Series DC-D4532WERA

DOME (4-1)



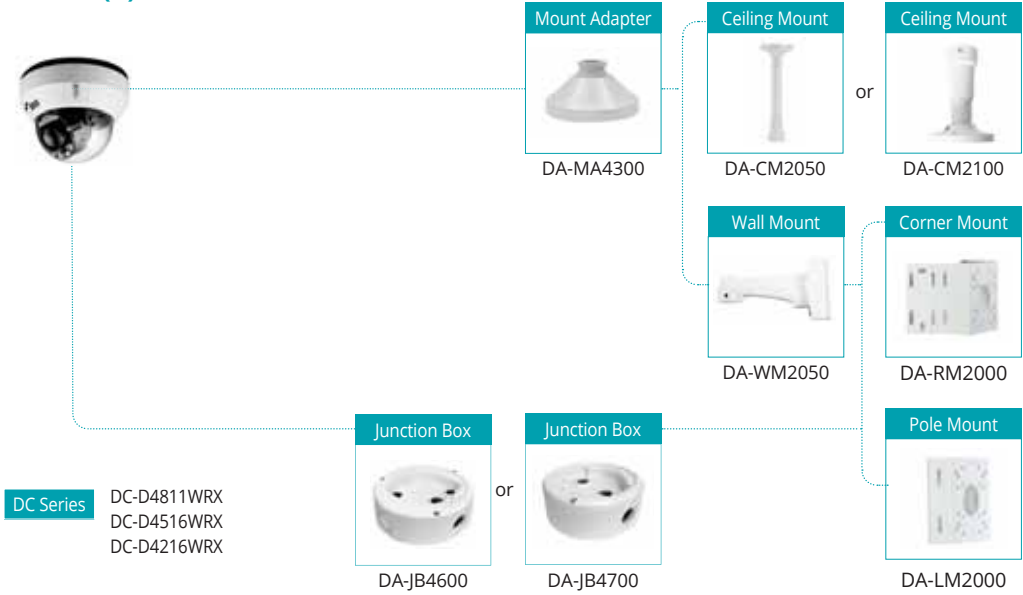
DOME (4-2)



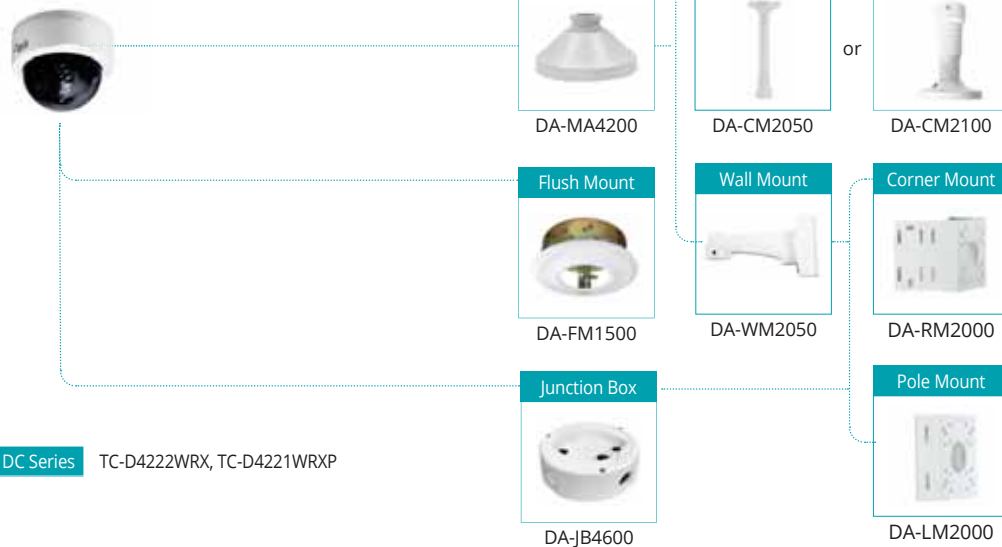
DOME (5)



DOME (6)

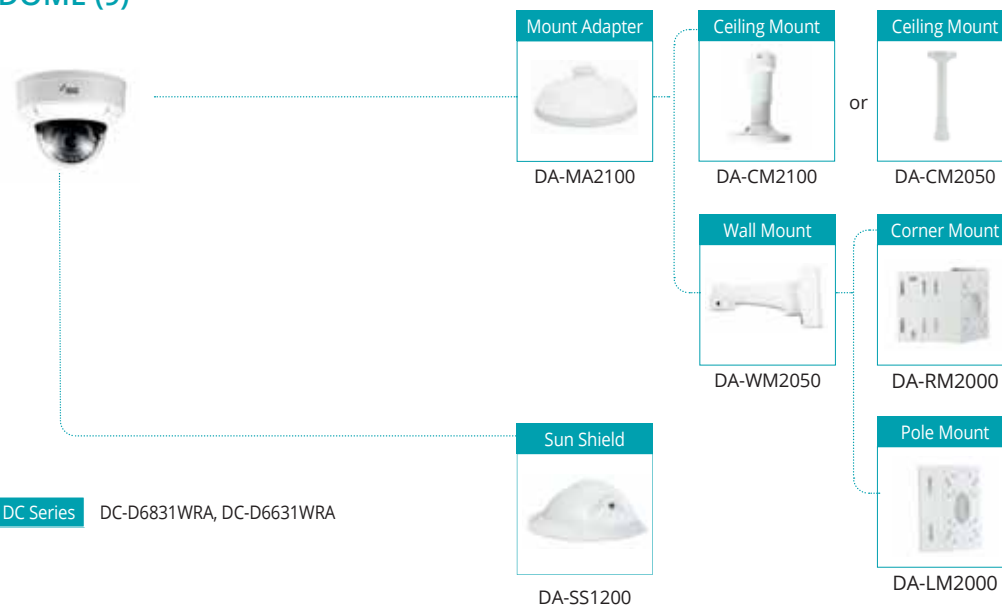


DOME (7)



DC Series TC-D4222WRX, TC-D4221WRXP

DOME (9)



DC Series DC-D6831WRA, DC-D6631WRA

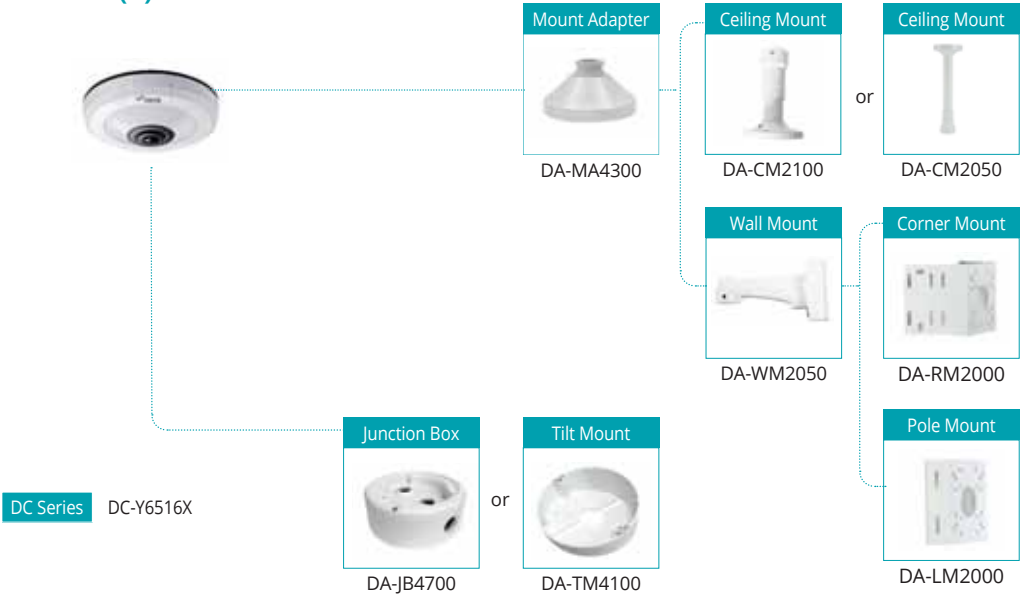
DOME (8)



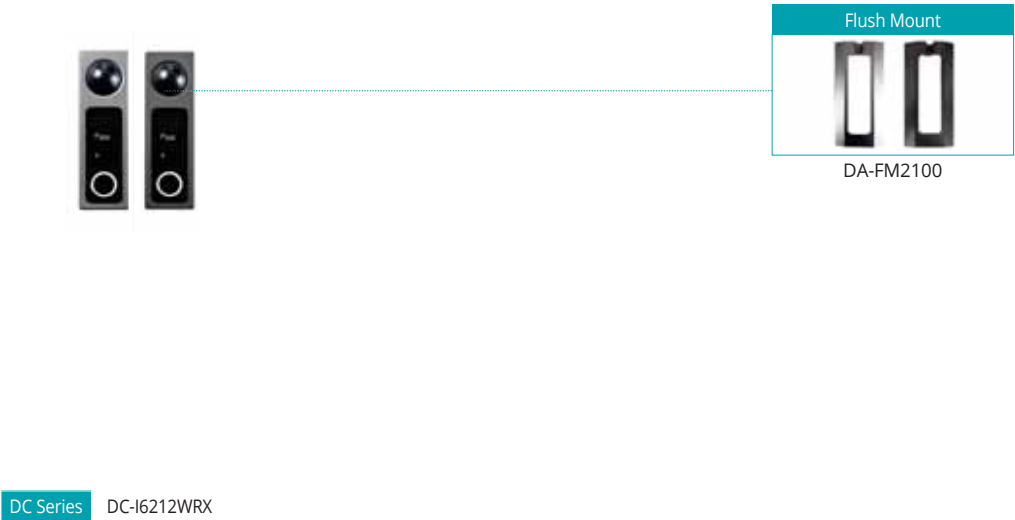
DC Series DC-D4831HRX, DC-D4538WRA, DC-D4548WRA
DC-D4537HRXA, DC-D4536HRX, DC-D4238HRA
DC-D4248HRA, DC-D4236HRX-B, DC-D4236HRX
DC-D4236WRX, DC-D4246WX, DC-D4218WRA

TC Series TC-D5532WRX, TC-D5531WRX
TC-D5531WRXP-A

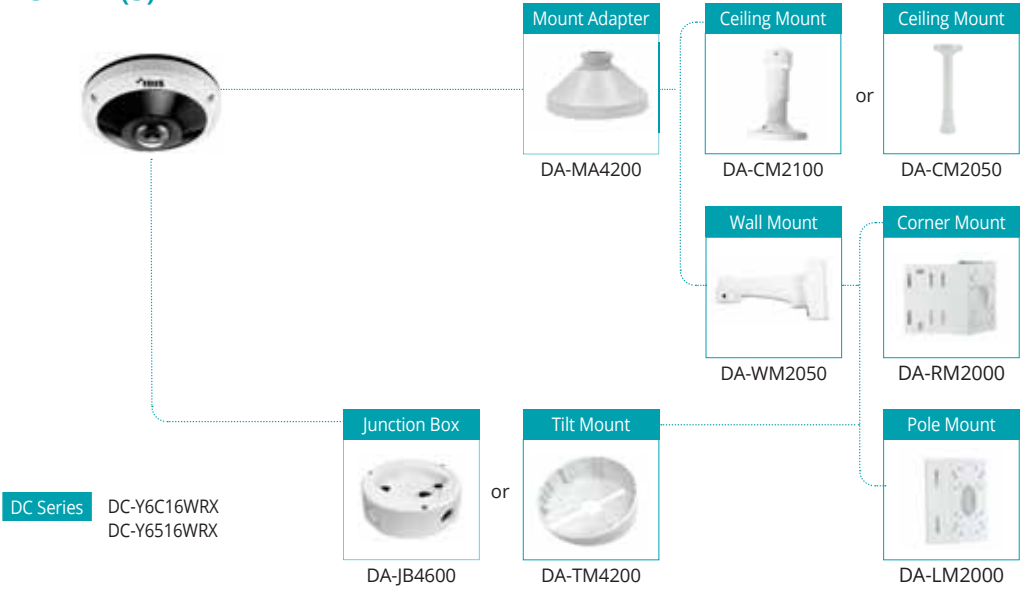
FISHEYE(2)



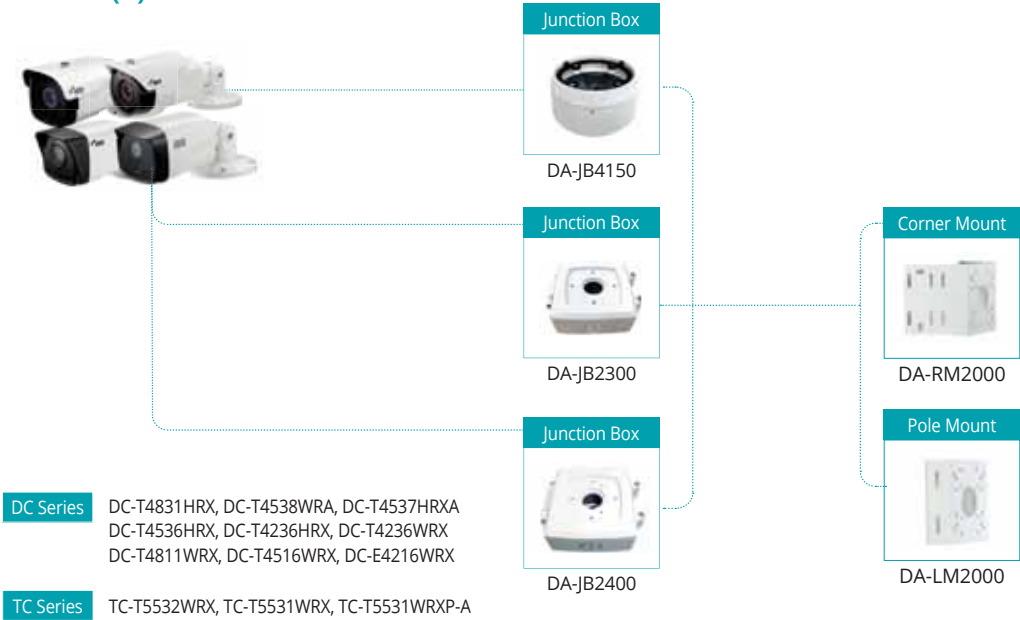
INTERCOM



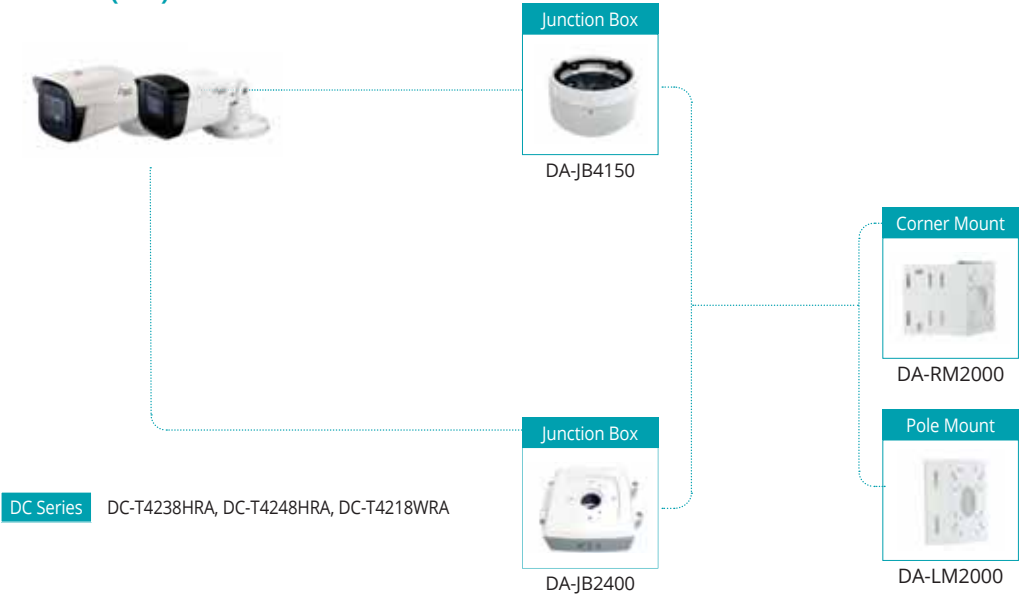
FISHEYE(3)



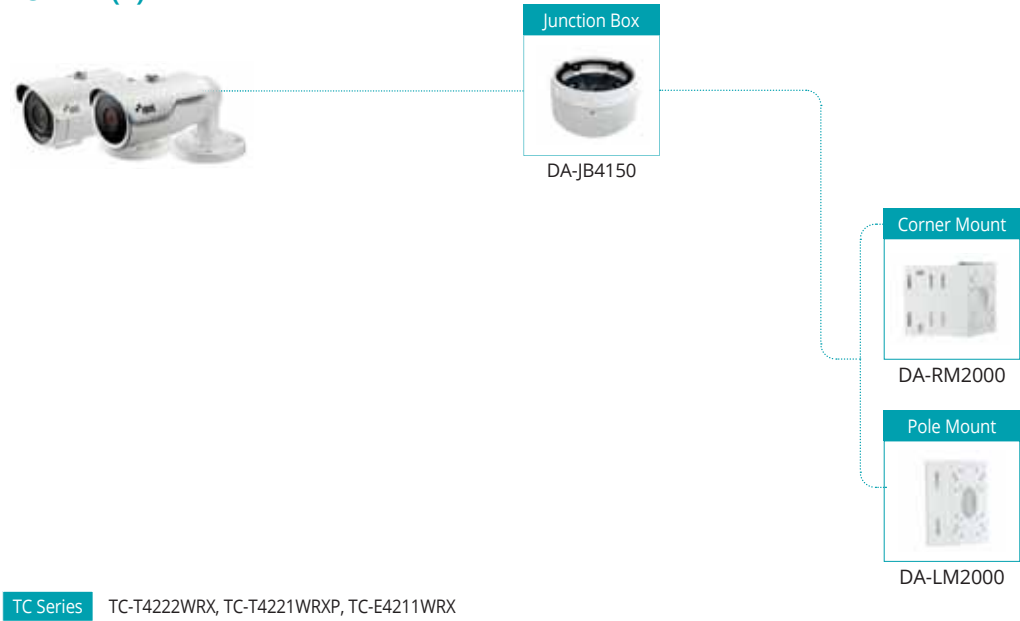
BULLET(3)



BULLET(3-1)



BULLET(4)



BULLET(4-1)



BULLET (5)



DA-WM3200

DC Series DC-T6222HRL, DC-T6224HRXL,DC-T6223HRL

BULLET (6)



Built-In Junction Box

DC Series DC-T8871WRA, DC-T8831WRA, DC-T8671WRA, DC-T8631WRA, DC-T6831WRA, DC-T6631WRA



DA-RM2000



DA-LM2000

BOX / ZOOM



BA-BH1100EX



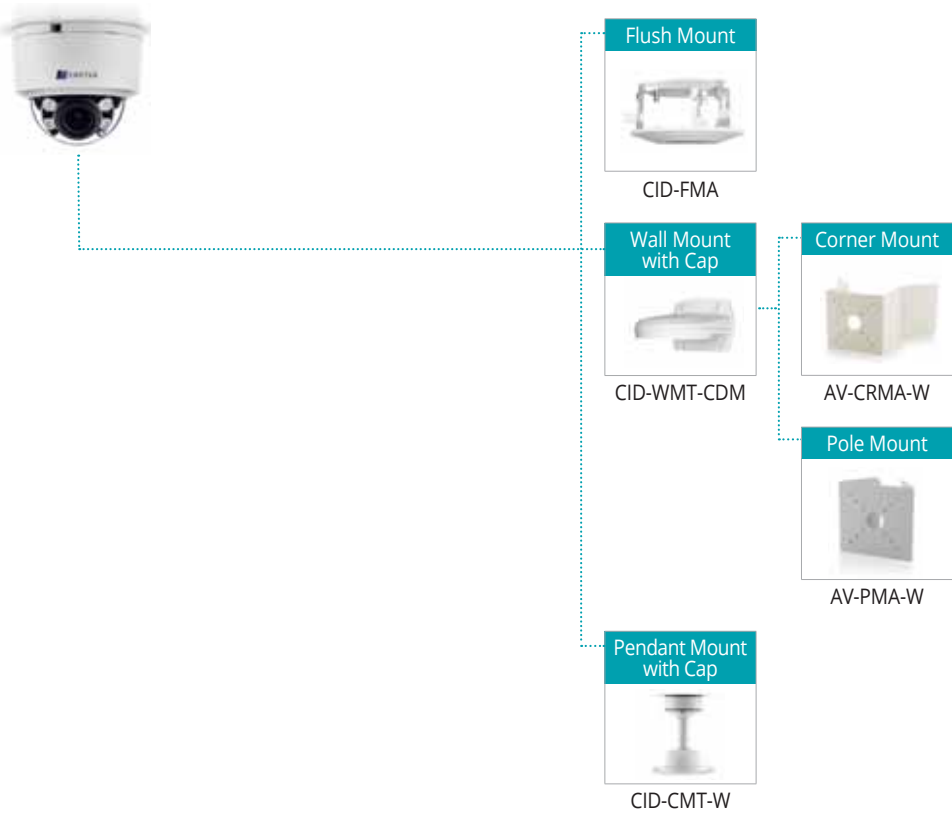
DA-WM3200

DC Series DC-B6206XL, DC-B4501X

TC Series TC-B5502X, TC-B5501X, TC-B5501XP-A, TC-B4201X, TC-B4202X, TC-B4201XP



INDOOR DOME

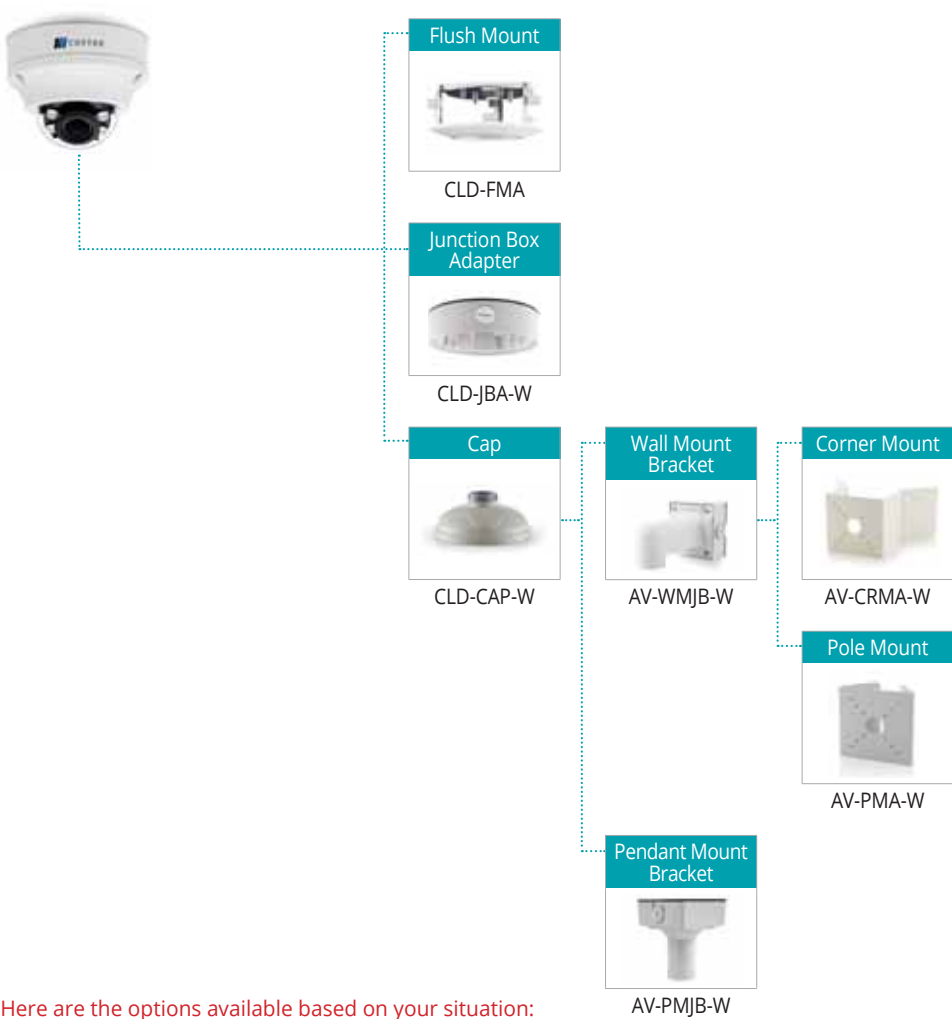


Here are the options available based on your situation:

Models		Type
	CID-CAP-W	Cap

Models AV02CID-200, AV02CID-201, AV05CID-200, AV05CID-201

OUTDOOR DOME

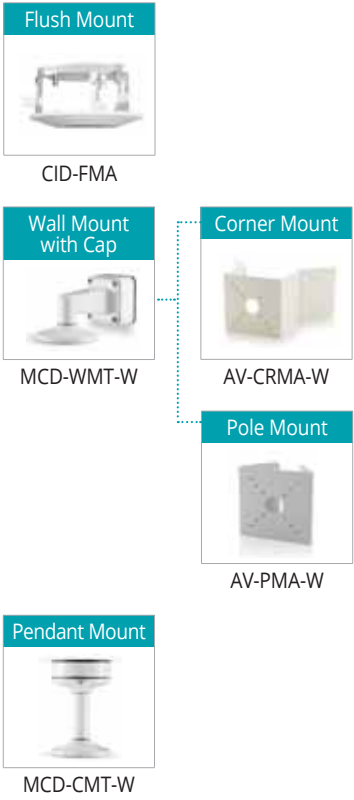


Here are the options available based on your situation:

Models		Type
	AV-EBAPR	Electrical Box Adapter Plate

Models AV02CLD-200, AV05CLD-200

MICRO DOME

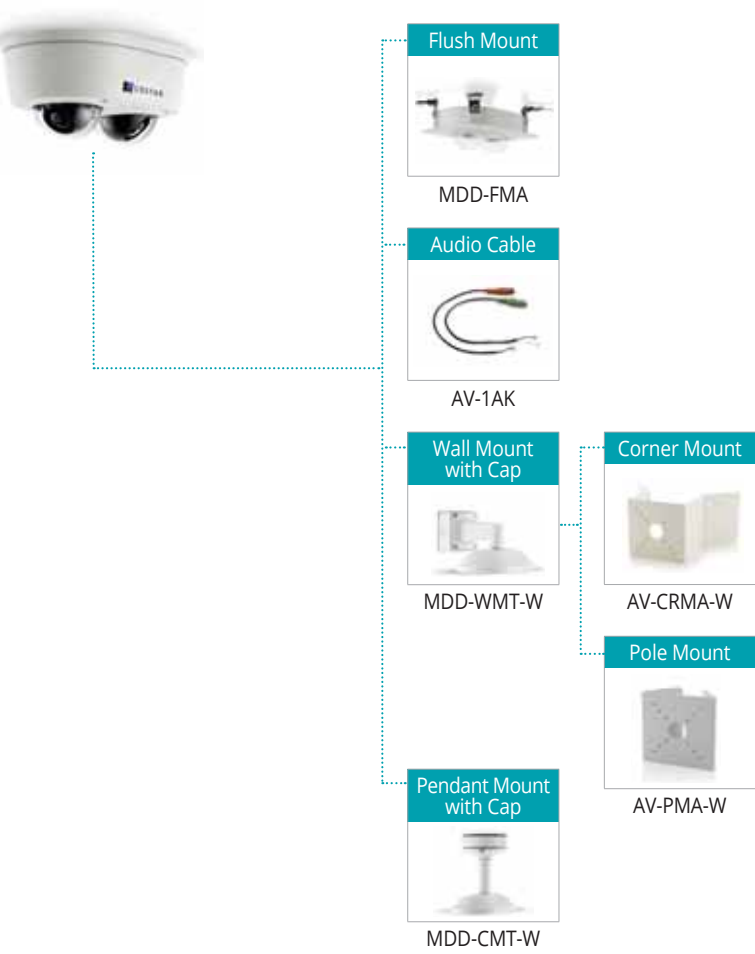


Here are the options available based on your situation:

Models		Type
	MCD-EBA*	Corner Mount
	MCD-JBAS-W*	Junction Box Adapter
	MCD-CRMT*	Electrical Box Adapter
	MCD-4S*	Electrical Box Adapter
	AV-JBA-W	Junction Box

Models AV2856DNIR-S, AV2856DNIR-F, AV5856DNIR-S, AV5856DNIR-F
AV8856DNIR-S, AV8856DNIR-F
* Compatible with Surface Mounted Cameras

MICRO DOME DUO

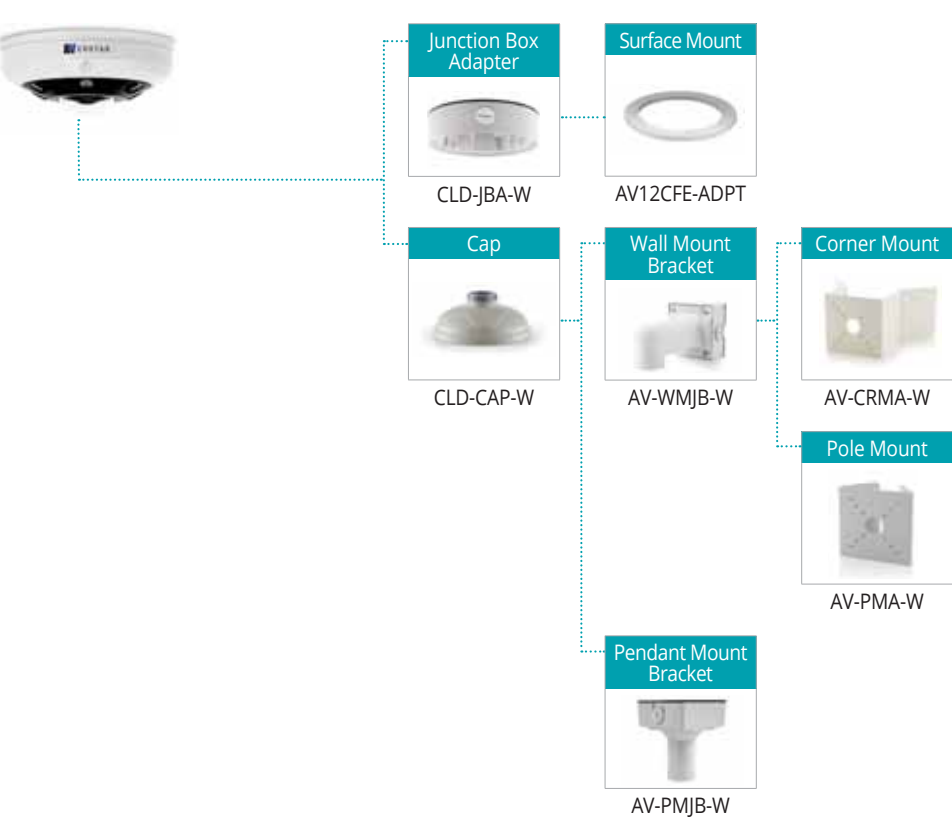


Here are the options available based on your situation:

Models		Type
	AV-JBA-W	Junction Box

Models AV4956DN-28, AV10956DN-28, AV16956DN-28

FISHEYE

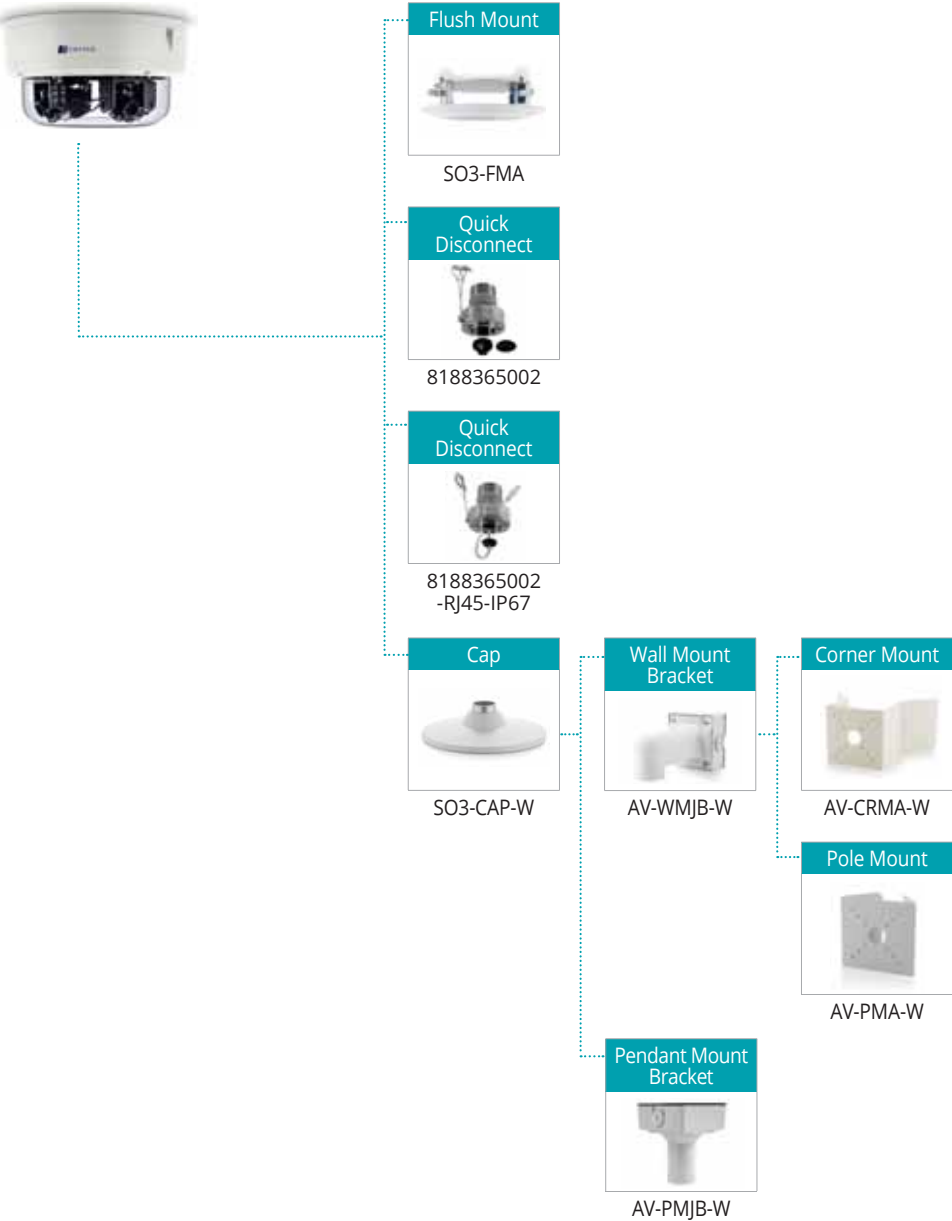


Here are the options available based on your situation:

Models		Type
	AV-EBAPR	Electrical Box Adapter Plate

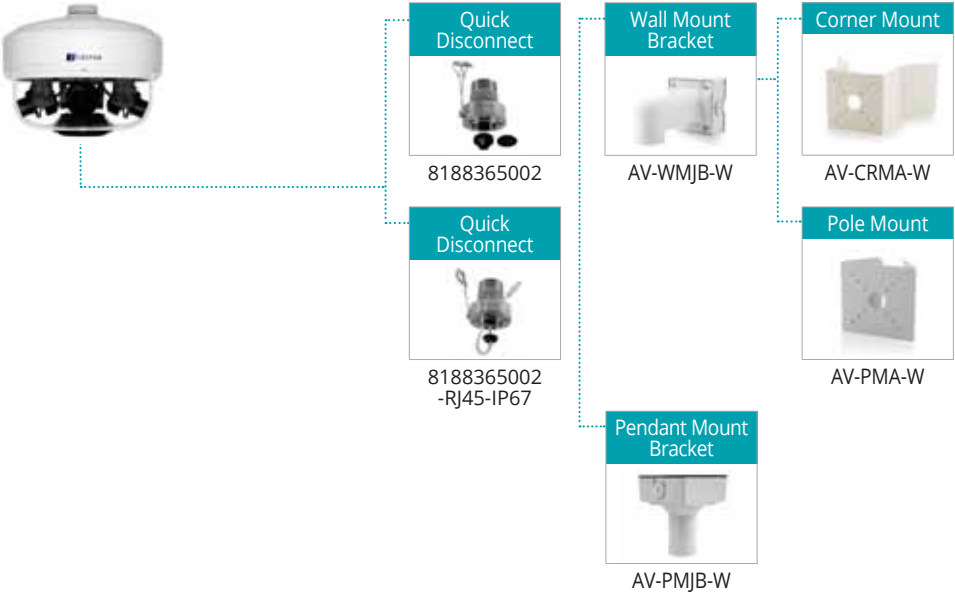
Models AV12CFE-250

(1) MULTI-IMAGER OMNI RS



Models AV20576RS

(2) MULTI-IMAGER OMNI RSIR



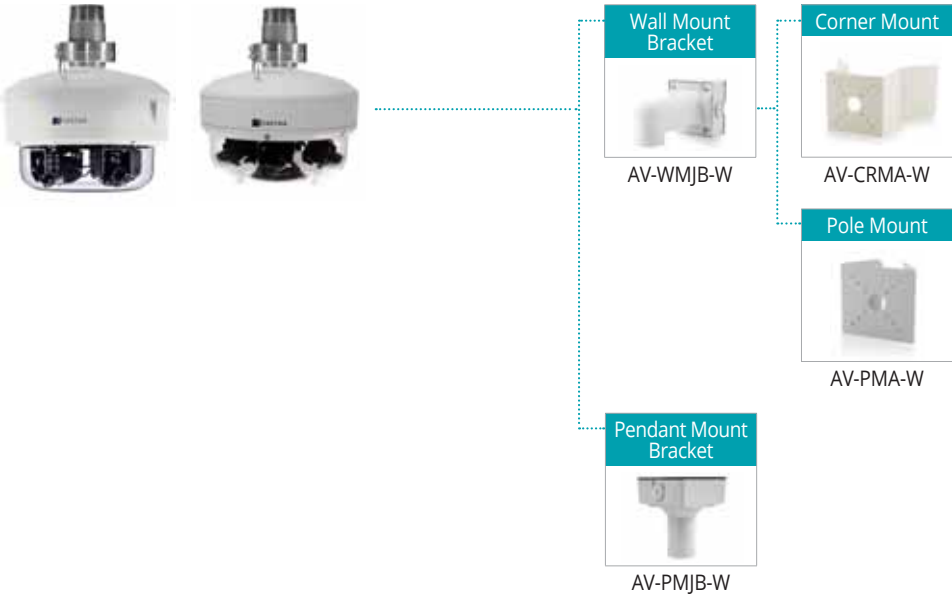
When installing a MULTI- IMAGER OMNI RS/RSIR camera,
Here are the options available based on your situation:

Models		Type
	AV-JBA-W	Junction Box
	7412007-006	PoE Injector

Models AV20576RSIR, AV32576RSIR

MULTI-IMAGER OMNI RS/IR

With 1.5" NPT IP67 Quick Disconnect



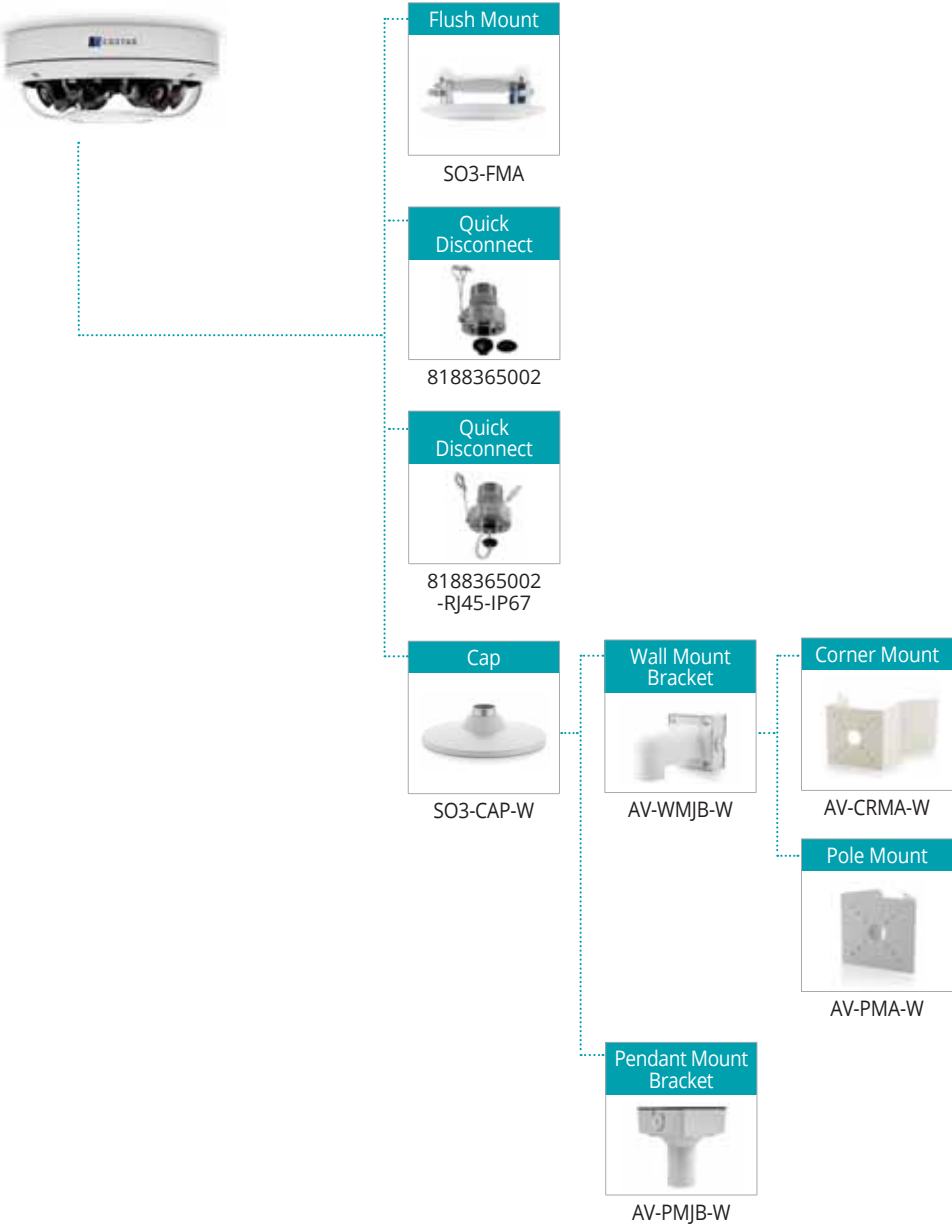
When installing MULTI-IMAGER OMNI RS/IR With 1.5" NPT IP67 Quick Disconnect camera, Here are the options available based on your situation:

Models		Type
	AV-JBA-W	Junction Box
	7412007-006	PoE Injector

Models

AV20576RS-QDRJ45, AV20576RSIR-QDRJ45, AV32576RSIR-QDRJ45

MULTI-IMAGER OMNI LX



LENS for MULTI-IMAGER OMNI LX, DUO LX and Microdome LX

Models		Type	Accessory PN
	AV2856DNIR-S, AV2856DNIR-F AV5856DNIR-S, AV5856DNIR-F AV8856DNIR-S, AV8856DNIR-F AV4956DN-28, AV10956DN-28 AV16956DN-28 AV8576DN-28 / AV20576DN-28*	Lens 2.4mm	MPM2.4d
		Lens 2.8mm	MPM2.8C
		Lens 4mm	MPM4.0d
		Lens 6mm	MPM6.0d
		Lens 8mm*	MPM8.0d
		Lens 12mm*	MPM12.0d
		Lens 16mm*	MPM16.0d

* MPM8.0d, MPM12.0d, MPM16.0d require SO-BUBBLE
* 8/12/16 millimeter lenses only

When installing a MULTI-IMAGER OMNI LX camera,
Here are the options available based on your situation:

Models		Type
	SO-BUBBLE*	Bubble With Gasket
	AV-JBA-W	Junction Box
	7412007-006	PoE Injector

Models AV8576DN-28, AV20576DN-28

MEMO



One Solution. One Company.

TECHNOLOGY LINE UP 2025



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