

TECHNOLOGY LINE UP 2023



Increase security and efficiency
with highly accurate IDIS Deep Learning Analytics





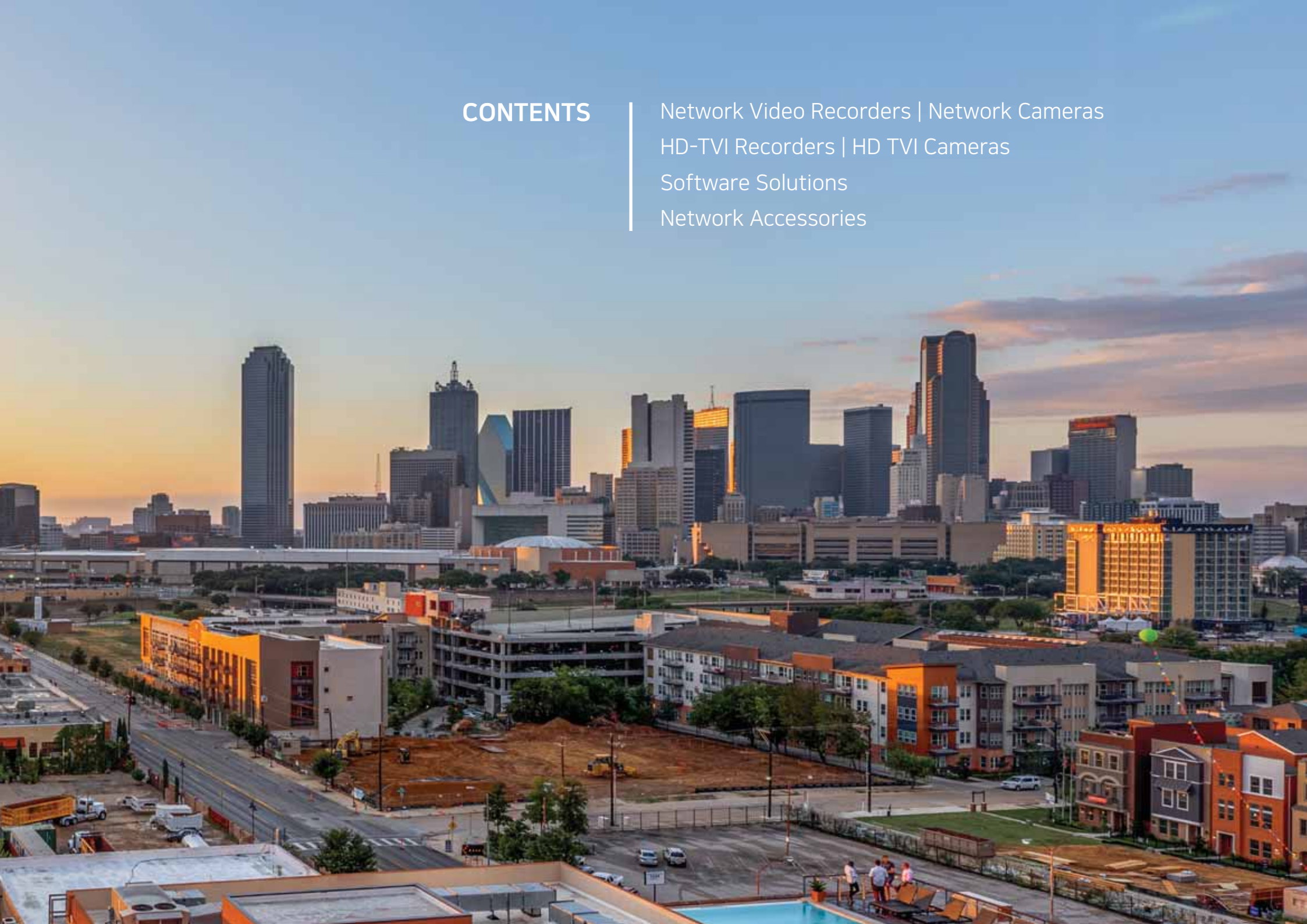
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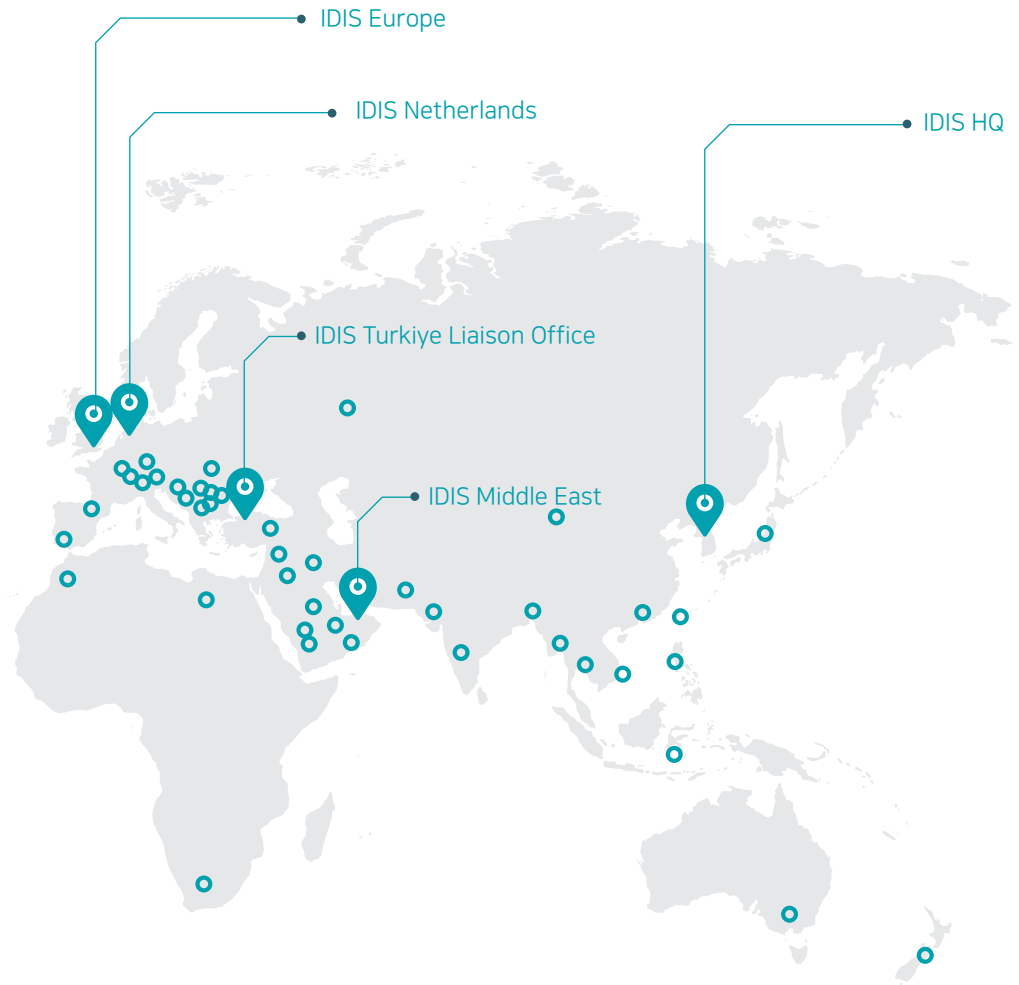
A WORLDWIDE PRESENCE



IDIS IS A GLOBAL SECURITY COMPANY THAT DESIGNS, DEVELOPS, AND MANUFACTURES VIDEO SOLUTIONS FOR A WIDE RANGE OF COMMERCIAL AND PUBLIC SECTOR MARKETS.

As the the largest in-country video surveillance manufacturer in South Korea, with headquarters and manufacturing facilities outside Seoul, IDIS operates across 50 countries and 100+ strategic partners. IDIS is a world-leading surveillance solution provider with over two million recorders installed worldwide and over 16.5 million cameras utilizing IDIS technology.

The IDIS Total Video Surveillance Solution exceeds the requirements of an increasingly demanding security landscape. IDIS provides the benefit of an end-to-end, highest-quality comprehensive video surveillance solution and delivers user-friendly, flexible, scalable innovation, able to meet every video surveillance need—all with unrivaled performance, quality, and low total cost of ownership.



CULTURE



OUR MISSION

Our mission is to contribute to a safer and more secure world by committing to innovation and fostering a culture of creativity.



OUR VISION

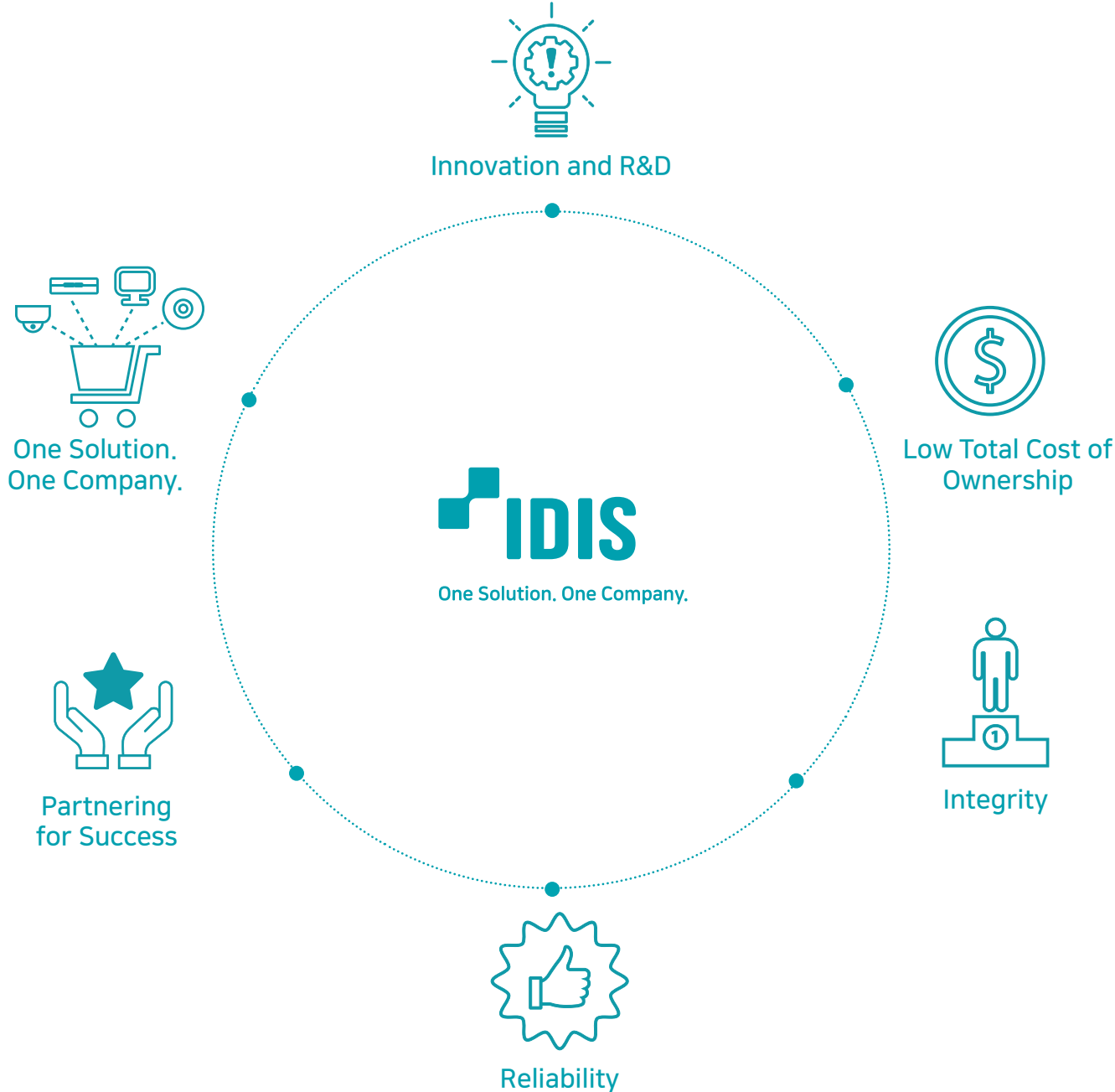
Our vision is to become the premier global security solutions specialist by providing the world's best, most innovative, and value-added video tech offerings and the most responsive customer service.



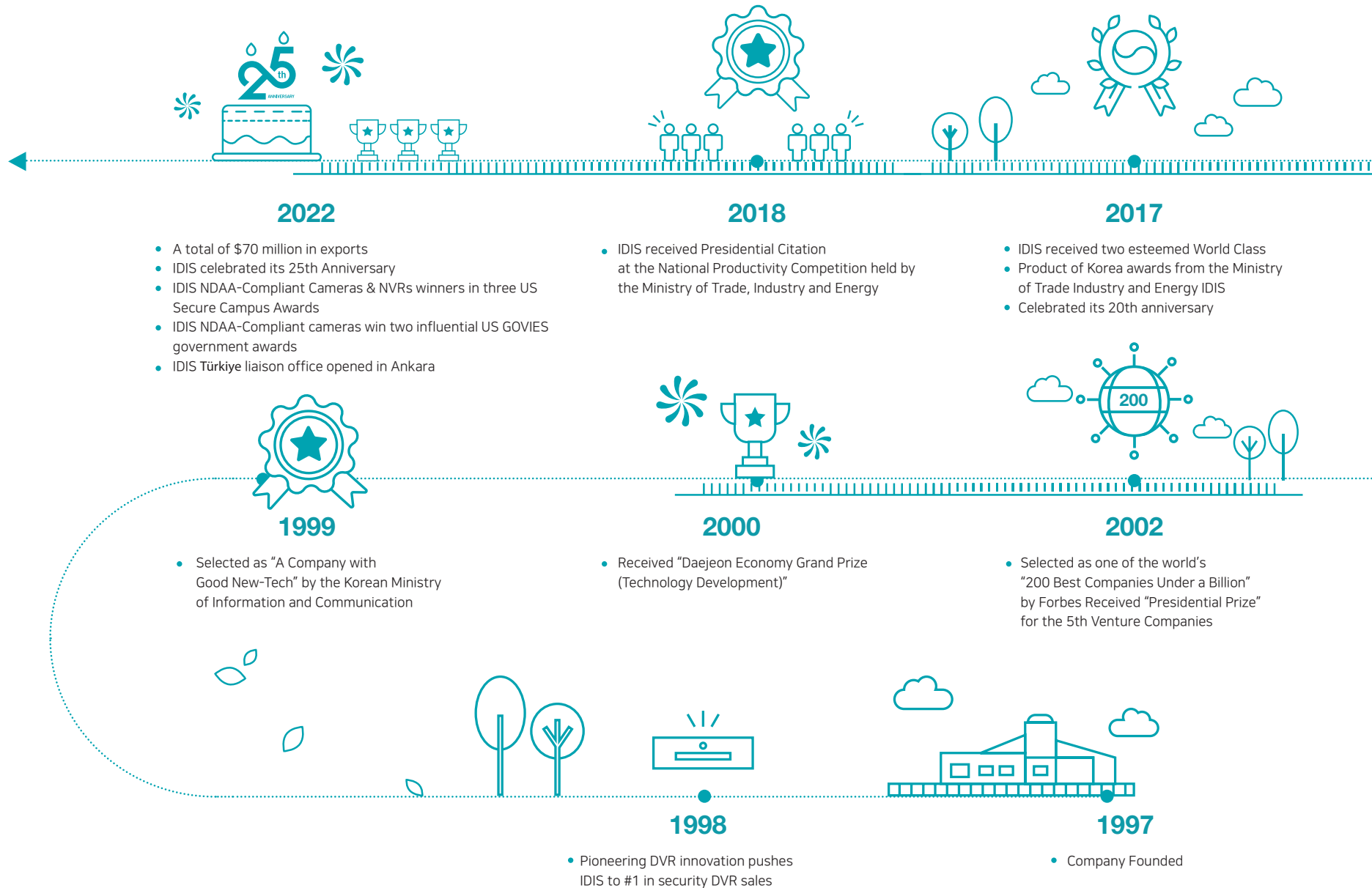
CORE VALUES

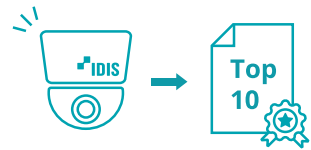


STRENGTHS



IDIS MILESTONES





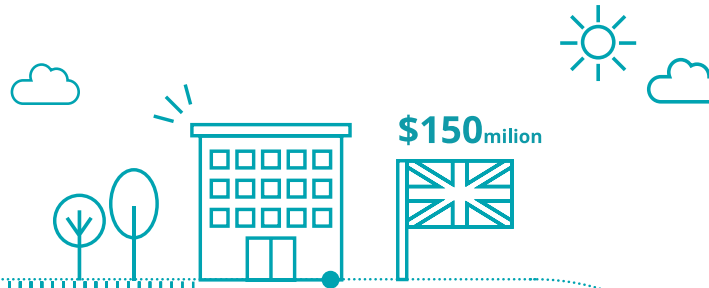
2014

- Named Top 10 in the World for Video Surveillance by A&S



2013

- DirectIP launch recognized with 2013 Platinum Marcom Award
- IDIS launches its brand business and DirectIP at IFSEC International



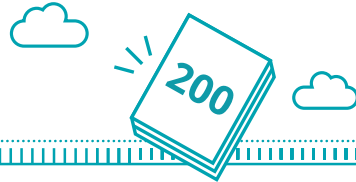
2012

- Selected as a "Good Company to Work For" by the Korea Economic Daily
- Europe headquarters established in London
- U.K. Sales reach over \$150 million



2003

- Obtained "No.1 Ranking of a KOSDAQ Company" at the 20th Daeshin Comprehensive Management Evaluation



2004

- Selected as one of the world's "200 Best Companies Under a Billion" by Forbes



2011

- Selected as "World Class 300" by the Ministry of Knowledge Economy
- Sales reach over \$100 million



TOTAL VIDEO SOLUTION PROVIDER

For customers and partners, this means they can build a complete video surveillance and analytics solution using products that seamlessly integrate from a single vendor.

One Solution. One Company.

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 seamlessly integrating 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 a 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-high-definition IP cameras, four to 64 channels NVRs, monitors, network accessories, a choice of VMS, and our DirectCX lineup for customers looking to leverage existing coax cabling, IDIS has a solution that fits.



Made in **KOREA**



COMMERCIAL
OFFICE SPACE



EDUCATION



BANKING AND
FINANCE



HEALTHCARE



RETAIL



TRANSPORTATION



MANUFACTURING

SPORTING FACILITIES

LOGISTICS AND WAREHOUSING

IDIS VERTICAL SOLUTIONS

IDIS has a portfolio of leading technology to meet many businesses' security, safety, and operational challenges. DirectIP is the cornerstone of IDIS end-to-end solutions.

- Easy installation and secure networking through our dedicated DirectIP devices
- Compatibility with legacy security systems, external devices, and third-party protocols

Direct IP[®]

IP WITHOUT THE PC

DirectIP's "IP without the PC" concept enables simple installation and configuration, allowing instant streaming once connected. Once connected to a network keyboard and mouse, DirectIP NVRs can setup and handle DirectIP cameras without a PC.



THE IDIS DirectIP DIFFERENCE

Managing Complexity Through Innovation

DirectIP is a one-stop shop solution, true plug-and-play for our range of network cameras, recorders, AI devices, monitors, and network accessories that all seamlessly connect to the cost-free IDIS Center or enterprise-class IDIS Solution Suite VMS. Simple to install and maintain, DirectIP goes beyond “plug-and-play” capability, delivering an auto-configured, pre-engineered solution that is affordable and high performing.

A Pre-Engineered Solution that Removes Guesswork without Restricting Choice

With IDIS DirectIP, say goodbye to the calculations and guesswork previously required to determine the necessary specs for a PC server. Questions such as “What CPU do I need?” “What VGA will be required?” “How much RAM will the system need?” or “Is there enough network bandwidth?” no longer need to be asked. Users only have to determine how much storage will be required, and the DirectIP solution handles the rest.

Unprecedented Scalability for Any Surveillance Need

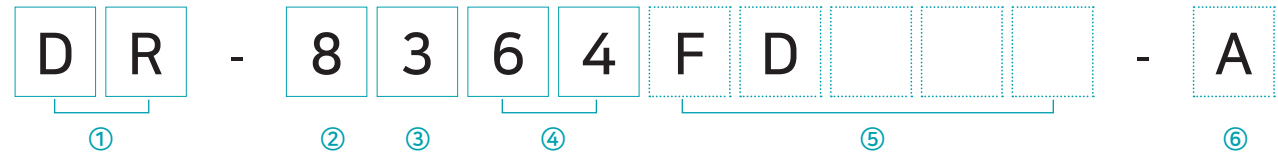
DirectIP systems are incredibly easy to scale up as required. The free IDIS Center VMS supports up to 1,024 DirectIP NVRs, which allows for the management of 64,000+ IP cameras, while IDIS Solution Suite supports an unlimited number of IP cameras. Multiple NVRs can be united as one system to create a mini matrix.

Reduced Maintenance and Operating Costs

Korean reliability, easy firmware updates, and the guarantee of forward and backward compatibility provide the assurance of simple and low-cost maintenance. Users can choose from the cost-free IDIS Center or IDIS Solution Suite VMS that is both modular and scalable and comes without ongoing license fees or device connection costs, reducing the operating costs associated with video management software.

IDIS NAMING STRUCTURE

Network Video Recorder



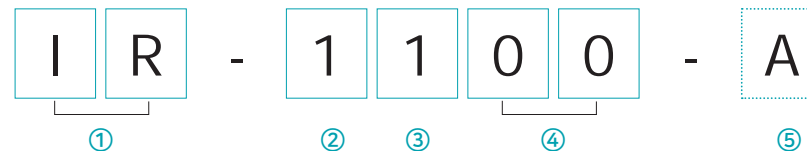
- ① **Product** DR : NVR
TR : DVR
- ② **Series** M : Mobile (Vehicle)
1 : Entry
2 : Quality
4 : Standard
6 : Expert
8 : Flagship
- ③ **Generation** 1~9
- ④ **Channel** 01~99 : 01~99Ch

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**

Pre-Installed VMS

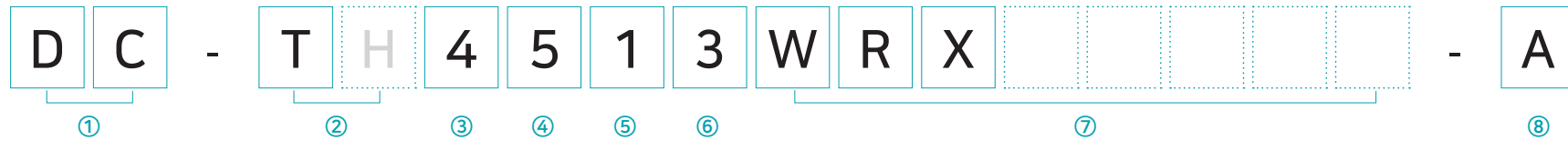


- ① **Product** IR : Pre-installed VMS
(Installed with iNEX)
- ② **Series** 1~9
- ③ **Generation** 0 : Reserved
1~9

④ **Channel**

⑤ **Renewal Version**

Network Cameras



① **Product** DC : IP Camera
TC : Analog Camera

② **Camera Type** D : Dome
T : Bullet
B : Box
S : PTZ
Y : Fisheye
V : Covert
Z : Zoom
M : Mobile
G : Parking
TH : Thermal
SP : Specialty

③ **Series** 1~3 : Legacy model
4 : Quality model
6 : Expert model
8 : Flagship model

④ **Resolution** [IP-CAM, A-CAM]
0 : lower than 1MP
1~9 : 1MP ~9MP
A~F : 10MP ~ 15MP
Thermal
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~x39

⑥ **Version** 0 : Reserved
1~9

⑦ **Version** Extension

[IP-CAM]	
Stainless	S
Heater	H
Weather Proof	W
Vandal Resistance	V
Flush	F
Compact	C
IR LED	R
True WDR	X
Wireless Network	N
Modular jack type	J
LightMaster	L
AI Embedded	A

[HD-TVI CAM]	
Stainless	S
Heater	H
Weather Proof	W
Vandal Resistance	V
Flush	F
Compact	C
IR LED	R
True WDR	X
PoC	P
LightMaster	L

[IP-CAM > Specialty]		
Explosion Proof	EX	
Camera Type	Bullet	T
	PTZ	S

⑧ **Renewal Version** A



NETWORK VIDEO RECORDERS

Make Your Surveillance
Future Proof

Providing quality products and individualized
services at competitive rates.



DR-1000 SERIES

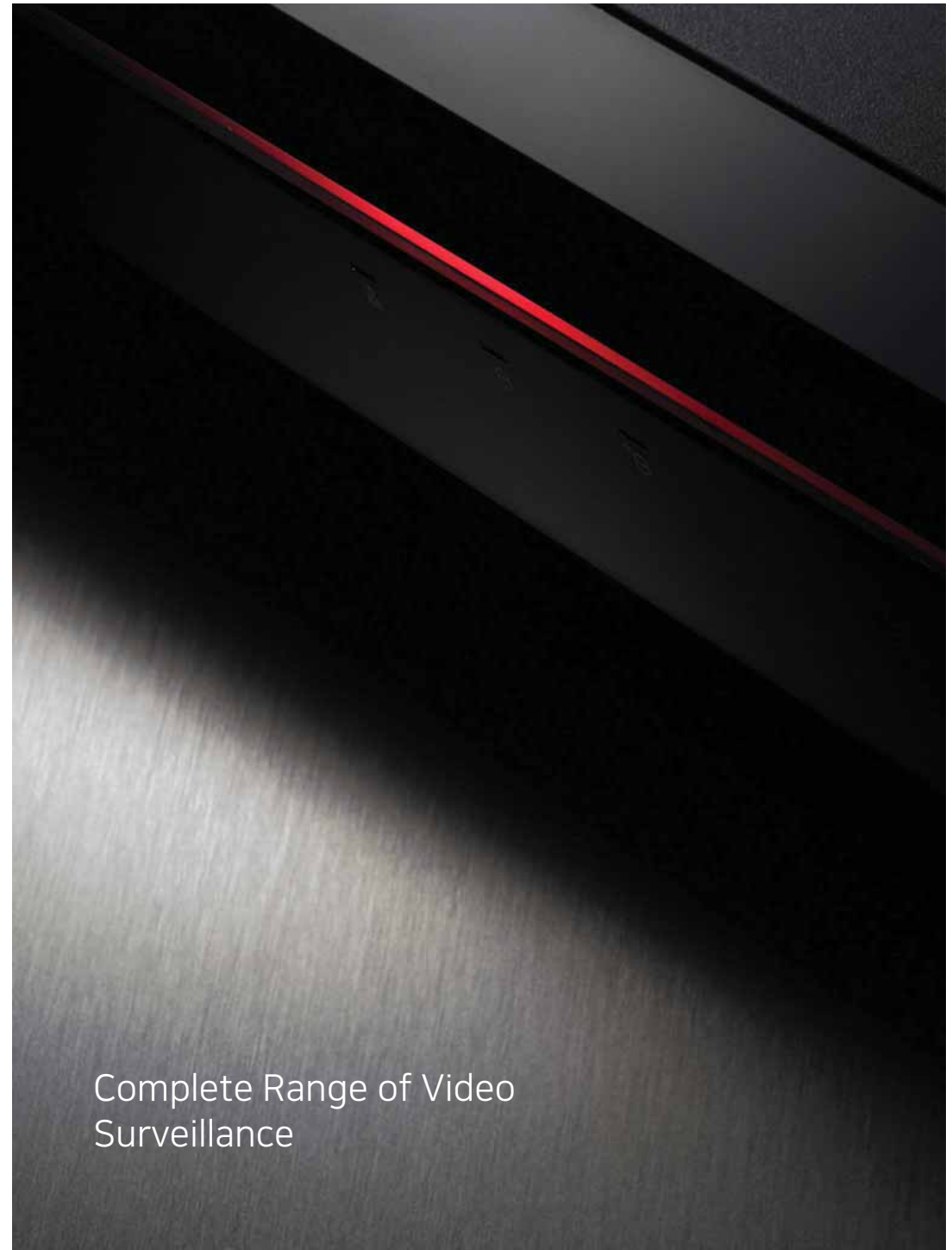
Model Name	DR-1308P	DR-1504P	DR-1508P
			 NDA Compliant
VIDEO			
Video Inputs	8 IP Channels	4 IP Channels	8 IP Channels
Max. Incoming Throughput	70Mbps	60Mbps	80Mbps
Supported Camera	DirectIP	DirectIP	
Video Outputs	1 HDMI, 1 VGA	1 HDMI, 1 VGA	
Display Resolution	1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200	1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200	
Display Speed	Up to 240ips	Up to 120ips	Up to 240ips
RECORDING			
Max. Throughput	40Mbps, 240ips @ 5MP	20Mbps, 120ips@8MP	40Mbps, 240ips@8MP
Recording Resolution	Up to 5MP (Depending on IP Camera)	Up to 8MP (Depending on IP Camera)	
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 Events	Motion Detection, Trip-zone, Tampering, Video Loss, Etc.	Motion Detection, Trip-zone, Tampering, Video Loss, Etc.	
PLAYBACK			
Performance	4ch Full HD Synchronous Playback	4ch Full HD Synchronous Playback	
Search Mode	Time-lapse, Event Log, Motion	Time-lapse, Event Log	
STORAGE			
HDD	SATA x 1, (Up to 6TB Capacity, 3.5")	SATA x1, (Up to 2TB Capacity, 3.5")	SATA x1, (Up to 4TB Capacity, 3.5")
NETWORK			
Client Connection	20Mbps	Fast Ethernet (Client) x1	Fast Ethernet (Client) x1
Video In Connection	Fast Ethernet (IP Camera) x 8	Fast Ethernet (IP Camera) x4	Fast Ethernet (IP Camera) x8
Transmission Speed		20Mbps	
Camera Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 50W	PoE (IEEE 802.3at Class 4) Supported 4 Ports, 30W	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 50W
Client Viewer		IDIS Center, IDIS Mobile, IDIS Solution Suite, IDIS Web(web.idisglobal.com only)	
INTERFACE			
Audio In / Out	No		No
Alarm In / Out	No		No
Alarm Reset In	-		-
Serial Interface	No		No
USB	USB 2.0 x 2		USB 2.0 x 2
GENERAL			
Operating System		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")	205mm x 44.5mm x 216.4mm (8.07" x 1.75" x 8.52")
Unit Weight	1.31kg (2.89lb) (with 1 HDD)	1.2kg (2.65 lb) (with 1 HDD)	1.38kg (3.04lb) (with 4TB HDD)
Power Input	NVR Adaptor (Input : 100-240V~, 50/60Hz, 2A, Output : 56V , 1.28A) (DR-1308P) (In countries using 200~240V such as UK) NVR Adaptor (Input : 100-240V~, 50/60Hz, 1.2A, Output : 54V , 1.67A) (DR-1308P) (In countries using 100~127V such as US)	NVR Adaptor (Input : 100-240V~, 50/60Hz, 1.2A, Output : 48V , 1.0A)	NVR Adaptor (Input : 100-240V~, 50/60Hz, 2A, Output : 56V , 1.28A) (DR-1308P) (In countries using 200~240V such as UK) NVR Adaptor (Input : 100-240V~, 50/60Hz, 1.2A, Output : 54V , 1.67A) (DR-1308P) (In countries using 100~127V such as US)
Power Consumption	NVR: 54-56V, 1.14-1.1A, 61.6W PSE : Max. 50W	NVR: 48V , 0.85A, Max. 40.8W PSE : Max. 30W	NVR: 54-56V~, 1.28-1.24A, Max. 69W, PSE : Max. 50W
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







DR-2000 SERIES

Model Name	DR-2316P-(A)	
		
VIDEO		
Video Inputs	16 IP Channels	
Max. Incoming Throughput	320Mbps	
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF	
Video Outputs	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 480ips	
RECORDING		
Max. Throughput	180Mbps, 480ips @ UHD	
Recording Resolution	Up to 12MP (Depending on IP Camera)	
Compression	H.265, H.264	
Intelligent Codec	Supported	
Recording Mode	Time-lapse, Event, Pre-event, Panic	
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip-zone, Tampering, Video Loss, Text-in, ANPR, Etc.	
PLAYBACK		
Performance	16ch Full HD Synchronous Playback, 4ch 4K Playback	
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in	
STORAGE		
HDD	SATA x2, eSATA x1	
NETWORK		
Client Connection	Gigabit Ethernet (Client) x 1	
Video In Connection	Fast Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1	
Transmission Speed	50Mbps / 100Mbps (BRP Mode)	
Camera Power	PoE(IEEE 802.3at class 4) supported 8 ports, 50W	
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite	
INTERFACE		
Audio In / Out	Local(NVR): - / 1RCA + 1HDMI IP Camera: 16 / 16 (Depending on IP Camera)	
Alarm In / Out	Local(NVR): 4 / 1 IP Camera: 16 / 16 (Depending on IP Camera)	
Alarm Reset In	-	
Serial Interface	RS232 (Terminal Block)	
USB	USB 2.0 x 1, USB 3.0 x 1	
GENERAL		
Operating System	Embedded Linux	
Unit Dimensions (W x H x D)	300mm x 62mm x 231mm (11.8" x 2.4" x 9.1")	
Unit Weight	2.3kg (5.1lb) (with 1 HDD)	
Power Input	NVR Adaptor (Input : 100-240V AC, 50/60Hz, 1.6A, Output : 12V DC, 5A) PSE Adaptor (Input : 100-240V AC, 50/60Hz, 1.4A, Output : 48V DC, 1.36A)	
Power Consumption	NVR: 12V=, 1.76A, 21.12W PSE: 48V=, 1.1A, 52.8W MAX	
Approvals	FCC, CE, KC	






Complete Range of Video Surveillance

DR-2000 SERIES

	DR-2504P	DR-2508P	DR-2516P
Model Name	 	 	 
VIDEO			
Video Inputs	4 IP Channels	8 IP Channels	16 IP Channels
Max. Incoming Throughput	160Mbps	270Mbps	320Mbps
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF		
Video Outputs	1 HDMI, 1 VGA		
Display Resolution	HDMI : 3840x2160, 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 120ips	Up to 240ips	Up to 480ips
RECORDING			
Max. Throughput	70Mbps, 120ips @ UHD	140Mbps, 240ips @ UHD	180Mbps, 480ips @ UHD
Recording Resolution	Up to 12MP (Depending on IP Camera)		
Compression	H.265, H.264		
Intelligent Codec	Supported		
Recording Mode	Time-Lapse, Event, Pre-Event, Panic		
PLAYBACK			
Performance	4ch Synchronous Playback	8ch Synchronous Playback	16ch Synchronous Playback
Search Mode	Time-lapse, Event log, Text-in		
STORAGE			
HDD	SATA x2, eSATA x1	SATA x2, eSATA x1	SATA x2, eSATA x1
NETWORK			
Client Connection	Gigabit Ethernet (Client) x 1		
Video In Connection	Fast Ethernet(IP Camera) x 4	Fast Ethernet(IP Camera) x8 +Gigabit Ethernet(Ext) x1	Fast Ethernet(IP Camera) x8 +Gigabit Ethernet(Ext) x1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)		
Camera Power	PoE(IEEE 802.3at class 4) supported 4 ports, 30W	PoE(IEEE 802.3at class 4) supported 8 ports, 50W	PoE(IEEE 802.3at class 4) supported 8 ports, 50W
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite		
INTERFACE			
Audio In / Out	Local(NVR): - / 1RCA + 1HDMI IP Camera: 4 / 4 (Depending on IP Camera)	Local(NVR): - / 1RCA + 1HDMI IP Camera: 8 / 8 (Depending on IP Camera)	Local(NVR): - / 1RCA + 1HDMI IP Camera: 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local(NVR): 4 / 1 IP Camera: 4 / 4 (Depending on IP Camera)	Local(NVR): 4 / 1 IP Camera: 8 / 8 (Depending on IP Camera)	Local(NVR): 4 / 1 IP Camera: 16 / 16 (Depending on IP Camera)
Alarm Reset In	-		
Serial Interface	RS232 (Terminal Block)		
USB	USB 2.0 x 1, USB 3.0 x 1		
GENERAL			
Operating System	Embedded Linux		
Unit Dimensions (W x H x D)	300mm x 62mm x 231mm (11.8" x 2.4" x 9.1")		
Unit Weight	2.2 kg (4.9 lb) (with 1 HDD)	2.3 kg (5.1 lb) (with 1 HDD)	2.3kg (5.1lb) (with 1 HDD)
Power Input	NVR Adaptor (Input : 100-240V AC, 50/60Hz, 1.6A, Output : 12V DC, 5A) PSE Adaptor (Input : 100-240V AC, 50/60Hz, 1.2A, Output : 48V DC, 1A)	NVR Adaptor (Input : 100-240V AC, 50/60Hz, 1.5A, Output : 12V DC, 5A) PSE Adaptor (Input : 100-240V AC, 50/60Hz, 1.5A, 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, 1.5A, Output : 48V DC, 1.35A)
Power Consumption	NVR: 12V=, 2.2A, 26.4W PSE: 48V=, 0.64A, 30.72W MAX	NVR: 12V=, 2.2A, 26.4W PSE: 48V=, 1.05A, 50.4W MAX	NVR: 12V=, 2.2A, 26.4W PSE: 48V=, 1.05A, 50.4W MAX
Approvals	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

DR-6000 SERIES

Model Name	DR-6508P	DR-6516P	DR-6532P
	 NDA Compliant 4K ULTRAHD	 NDA Compliant 4K ULTRAHD	 NDA Compliant 4K ULTRAHD
VIDEO			
Video Inputs	8 IP Channels	16 IP Channels	32 IP Channels
Max. Incoming Throughput	270Mbps	320Mbps	370Mbps
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 : 3840x2160, 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 : 3840x2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 240ips	Up to 480ips	Up to 960ips
RECORDING			
Max. Throughput	140Mbps, 240ips@UHD	180Mbps, 480ips@UHD	230Mbps, 960ips@UHD
Recording Resolution	Up to 12MP (Depending on IP Camera)	Up to 12MP (Depending on IP Camera)	Up to 12MP (Depending on IP Camera)
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
PLAYBACK			
Performance	8ch Synchronous Playback	16ch Synchronous Playback	32ch 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
STORAGE			
HDD	SATA x6, eSATA x4, RAID 1 supported	SATA x6, eSATA x4, RAID 1 supported	SATA x6, eSATA x4, 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 8 + Gigabit Ethernet (Ext) x 1	Gigabit Ethernet (IP Camera) x16 +Gigabit Ethernet(Ext) x1	Gigabit Ethernet (IP Camera) x16 +Gigabit Ethernet(Ext) x1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)	50Mbps / 100Mbps (BRP Mode)	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 120W	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE			
Audio In / Out	Local (NVR): 1 RCA / 1RCA + 2HDMI IP Camera:8 / 8 (Depending on IP Camera)	Local (NVR): 1 RCA / 1RCA + 2HDMI IP Camera: 16 / 16 (Depending on IP Camera)	Local (NVR): 1 RCA / 1RCA + 2HDMI IP Camera: 32 / 32 (Depending on IP Camera)
Alarm In / Out	Local(NVR): 4 / 1 IP Camera:8 / 8 (Depending on IP Camera)	Local(NVR): 4 / 1 IP Camera: 16 / 16 (Depending on IP Camera)	Local(NVR): 4 / 1 IP Camera: 32 / 32 (Depending on IP Camera)
Alarm Reset In	1	1	1
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 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
Unit Dimensions (W x H x D)	430mm x 88mm x 412.8mm (16.9" x 3.5" x 16.25")	430mm x 88mm x 412.8mm (16.9" x 3.5" x 16.25")	430mm x 88mm x 412.8mm (16.9" x 3.5" x 16.25")
Unit Weight	6.75kg (14.88lb) (with 1HDD)	6.75kg (14.88lb) (with 1HDD)	6.75kg (14.88lb) (with 1HDD)
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A	AC 100-240 V, 50/60Hz, 3.0 - 1.5A	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	100-240V~, 50/60Hz, 3.0-1.5A, 250W	100-240V~, 50/60Hz, 3.0-1.5A, 250W	100-240V~, 50/60Hz, 3.0-1.5A, 250W
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

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-8000 SERIES

	DR-8364(F)D	DR-8416	DR-8432D
Model Name	  IDIS Critical Failover	 	 
VIDEO			
Video Inputs	64 IP Channels	16 IP Channels	32 IP Channels
Max. Incoming Throughput	900 Mbps	320Mbps	370Mbps
Supported Camera	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
Display Resolution	HDMI : 3840x2160, 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	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	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 1920ips	Up to 480ips	Up to 960ips
RECORDING			
Max. Throughput	400Mbps, 1920ips@UHD	180Mbps, 480ips @ UHD	230Mbps, 960ips @ UHD
Recording Resolution	Up to 12MP (Depending on IP Camera)	Up to 12MP (Depending on IP Camera)	Up to 12MP (Depending on IP Camera)
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
PLAYBACK			
Performance	64 ch Synchronous Playback	16ch Full HD Synchronous Playback, 4ch 4K Playback	16ch Full HD Synchronous Playback, 4ch 4K Playback
Search Mode	Time-lapse, Event Log,Thumbnail, Motion, Text-in	Time-lapse, Event Log,Thumbnail, Motion, Text-in	Time-lapse, Event Log,Thumbnail, Motion, Text-in
STORAGE			
HDD	SATA x 8, eSATA x4, RAID 1, 5, 10 Supported	SATA x8, eSATA x4, RAID 1, 5, 6, 10 Supported	SATA x8, eSATA x4, RAID 1, 5, 6, 10 Supported
NETWORK			
Client Connection	Gigabit Ethernet (Client) x1	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	400 Mbps / 500 Mbps (BRP Mode)	50Mbps / 100Mbps (BRP Mode)	50Mbps / 100Mbps (BRP Mode)
Camera Power	-	-	-
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE			
Audio In / Out	Local (NVR): 1 RCA / 1RCA + 1HDMI IP Camera: 16 / 16 (Depending on IP Camera)	Local (NVR): 1 RCA / 1RCA + 1HDMI IP Camera: 16 / 16 (Depending on IP Camera)	Local (NVR): 1 RCA / 1RCA + 1HDMI IP Camera: 32 / 32 (Depending on IP Camera)
Alarm In / Out	Local (NVR): 16 / 4 IP Camera: 16 / 16 (Depending on IP Camera)	Local (NVR): 16 / 4 IP Camera: 16 / 16 (Depending on IP Camera)	Local (NVR): 16 / 4 IP Camera: 32 / 32 (Depending on IP Camera)
Alarm Reset In	1	1	1
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)	482.6 mm x 88 mm x 523.3 mm (19" x 3.5" x 20.6")	482.6mm x 88mm x 523.3mm (19" x 3.5" x 20.6")	482.6mm x 88mm x 523.3mm (19" x 3.5" x 20.6")
Unit Weight	12.3 kg (21.12 lb) (with 2 HDDs)	10.9kg (24.03lb) (with 2 HDDs)	10.9kg (24.03lb) (with 2 HDDs)
Power Input	AC 100-240 V, 50/60Hz, 2.0 - 1.0 A	AC 100-240 V, 50/60Hz, 6.0 - 3.0A	AC 100-240 V, 50/60Hz, 8.0 - 4.0A
Power Consumption	100-240V~, 50/60Hz, 2.0-1.0A, 120W x2	100-240V~, 50/60Hz, 2.0-1.0A, 120W	100-240V~, 50/60Hz, 2.0-1.0A, 120W x2
Approvals	FCC, UL, CE, CB, KC, PSE	FCC, UL, CE, CB, KC, PSE	FCC, UL, CE, CB, KC, PSE

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

* 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-8000 SERIES

	NEW Coming Soon	DR-8516	NEW Coming Soon	DR-8532D
Model Name		 		 
VIDEO				
Video Inputs		16 IP Channels		32 IP Channels
Max. Incoming Throughput		320Mbps		370Mbps
Supported Camera		DirectIP, AXIS, PANASONIC, ONVIF		DirectIP, AXIS, PANASONIC, ONVIF
Video Outputs		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
Display Speed		Up to 480ips		Up to 960ips
RECORDING				
Max. Throughput		180Mbps, 480ips@UHD		230Mbps, 960ips@UHD
Recording Resolution		Up to 12MP (Depending on IP Camera)		Up to 12MP (Depending on IP Camera)
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
PLAYBACK				
Performance		16ch Synchronous Playback		32ch Synchronous Playback
Search Mode		Time-lapse, Event Log, Text-in, Thumbnail		Time-lapse, Event Log, Text-in, Thumbnail
STORAGE				
HDD		SATA x8, eSATA x4, RAID 1, 5, 6, 10 Supported		SATA x8, eSATA x4, RAID 1, 5, 6, 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		50Mbps / 100Mbps (BRP Mode)		50Mbps / 100Mbps (BRP Mode)
Camera Power		-		-
Client Viewer		IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite		IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE				
Audio In / Out		Local (NVR): 1 RCA / 1RCA + 2HDMI IP Camera: 16 / 16 (Depending on IP Camera)		Local (NVR): 1 RCA / 1RCA + 2HDMI IP Camera: 32 / 32 (Depending on IP Camera)
Alarm In / Out		Local(NVR): 16 / 4 IP Camera: 16 / 16 (Depending on IP Camera)		Local(NVR): 16 / 4 IP Camera: 32 / 32 (Depending on IP Camera)
Alarm Reset In		1		1
Serial Interface		RS232 (Terminal Block), RS485 (Terminal Block)		RS232 (Terminal Block), RS485 (Terminal Block)
USB		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
Unit Dimensions (W x H x D)		482.6mm x 88mm x 523.3mm (19" x 3.5" x 20.6")		482.6mm x 88mm x 523.3mm (19" x 3.5" x 20.6")
Unit Weight		11.25kg (24.8lb) (with 2 HDDs)		12.63kg (27.84lb) (with 2 HDDs)
Power Input		AC 100-240 V, 50/60Hz, 6.0 - 3.0A		AC 100-240 V, 50/60Hz, 8.0 - 4.0A
Power Consumption		100-240V~, 50/60Hz, 6.0-3.0A, 130W		100-240V~, 50/60Hz, 8.0-4.0A, 100W 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

DEEP LEARNING VIDEO ANALYTICS FOR DIRECTIP NETWORK VIDEO RECORDERS

DV-2232 | **IDIS** SOLUTION SUITE®

AI in the Box

- A specialized DirectIP NVR
- Supports up to 32-ch IP cameras
- Powered by the most advanced IDIS Deep-Learning Engine (IDLE)
- People Counting and Occupancy Control
- Crowd Detection
- Social Distancing Violation
- Mask Rule Violation
- Real-time event notifications with high accuracy
- Live Occupancy Dashboard
- Dashboard Reporting of visitor flow and compliance





Social Distancing Violation Detection



Crowd Detection



Face Mask Detection



People Counting and Occupancy Monitoring



32-Channel Real-Time Simultaneous Video Analysis

- Analyze 32-channels using just one AI in the Box.
- Benefit from four intelligent video analytics functions from one camera stream.
- Fast and simultaneous registration of multiple NVRs.

DV-2232	
SYSTEM	
Video Compression	H.264, H.265
Video Inputs	32ch IP
Supported Device	DirectIP NVR
Network Connection	Gigabit Ethernet x 1 (1000Base-T)
IDLA Processing Unit	NVIDIA RTX2060, 8GB
Operating System	Microsoft® Windows Embedded Standard 8
Processor	Intel® I7-7700, 3.6GHz
Memory	DDR4 PC-19200, 8GB
Video Outputs	1 HDMI, 1 DP, 1 VGA
USB	6 (2 Front USB 2.0 + 2 Back USB 3.0 + 2 Back USB 2.0)
VA Support	Social Distancing Violation Crowd Detection Mask Rule Violation People Counting and Occupancy Monitoring
GENERAL	
Unit Dimension (W x H x D)	440mm x 462mm x 177mm (17.3" x 18.2" x 7.0")
Unit Weight	14.0kg (30.9 lb)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	0% to 90%
Power Input	AC 100-240 V, 50/60Hz, 5.5 - 2.5A
Power Supply	Single Power
Power Consumption	350W
ACCESSORIES SUPPLIED	
Power Cord	1
GENERAL	
Approvals	FCC, CE, CB, UL, KC

ALL-IN-ONE BOX FOR SECURITY, SAFETY AND BUSINESS INTELLIGENCE

DV-3100 | **IDIS** SOLUTION SUITE®

AI in the Box with IDIS Solution Suite



IDIS Deep Learning Analytics (IDLA)

Powered by the
IDIS Deep Learning Engine

- AI in the BOX with IDIS Solution Suite
- Compatible with IDIS Deep-Learning Analytics (IDLA)
- 4U rack mount chassis

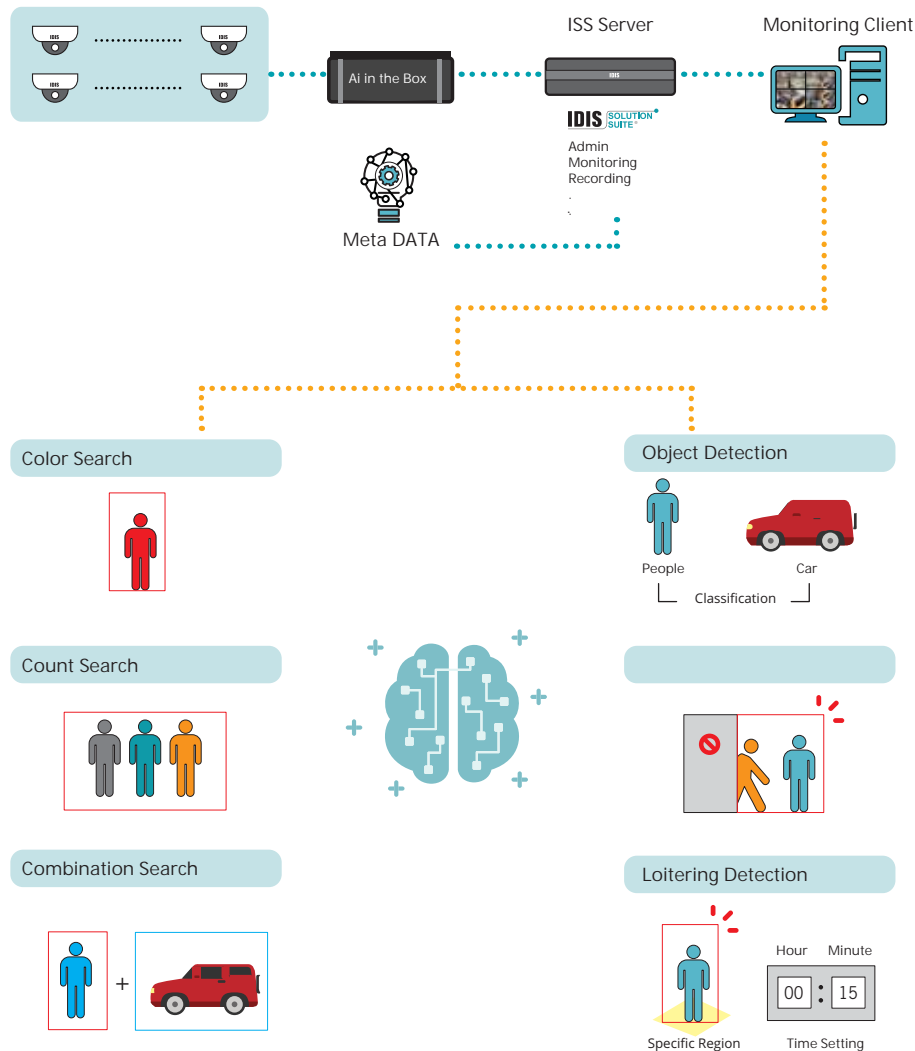
[IDLA]

- Superior Accuracy Deep-learning engine
- Object classification suitable for CCTV application
- Simple configuration and Zero calibration



Specialized Functionality

IDIS Deep Learning Analytics Allows users to Quickly and Easily Leverage the Power of the IDIS Deep Learning Engine.



DV-3100	
SYSTEM	
IDIS Solution Suite	Compatible with IDLA VA Service Version 3.0.0 or Higher
Network Connection	2 GbE RJ-45 Ports (1000Base-T)
Channels available for Analytics	Up to 64ch in condition of 640 x 360 @ 5fps video input
IDLA Processing Unit	NVIDIA RTX2060, 8GB
Operating System	Microsoft® Windows Embedded Standard 8
Processor	Intel® I7-7700, 3.6GHz
Memory	DDR4 PC-19200, 8GB
Video Outputs	1 HDMI, 1 DP, 1 VGA
USB	6 (2 Front USB 2.0 + 2 Back USB 3.0 + 2 Back USB 2.0)
MECHANICAL	
Form Factor	4U RACK Mount Chassis
Dimensions (W x D x H)	440 mm x 177 mm x 462 mm (17.3" x 7.0" x 18.2")
Weight	14.0 kg (30.9 lb)
ELECTRICAL	
Power Input	AC 100-240 V, 50/60Hz, 5.5 - 2.5A
Power Supply	Single Power
Power Consumption	350W
ENVIRONMENTAL	
Operating Temperature	0° to 40°C (32° to 104°F)
Operating Humidity	0% to 90%
ACCESSORIES SUPPLIED	
Power Cord	1
GENERAL	
Approvals	FCC, CE, CB, UL, KC

IDIS AI SOLUTION

(AI in the Box)

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

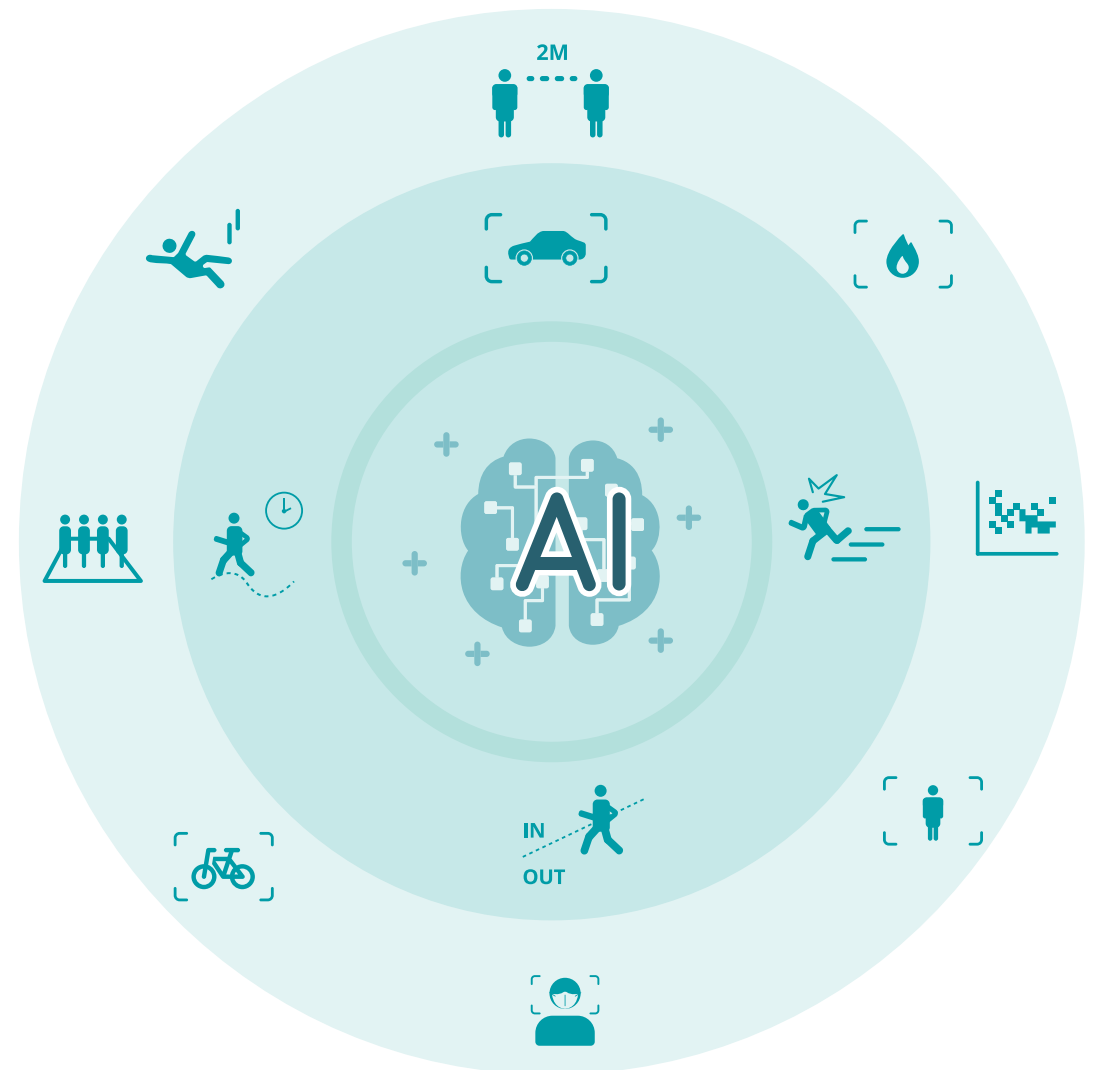
IDLA represents a new paradigm for video surveillance, leveraging artificial intelligence and deep learning algorithms to perform previously labor-intensive tasks at with up to 98% accurate alarms and notifications.



IDIS AI Solutions

Increase security and efficiency with highly accurate IDIS Deep Learning Analytics

The IDIS Deep Learning Engine is an artificial neural network that acts like the human brain, learning from experience. Out-performing human brain capabilities, it can analyze vast amounts of data points taken from video footage across single or multiple cameras, covering an area, a site, or multiple facilities simultaneously. This allows it to detect and then identify an event or threat while filtering out false alarms.



IDIS AI Solutions



Human 99%

Human 99%

Human 99%

Human 99%

Human 99%

Human 99%

BIKE 99%

BIKE 99%

Human 99%






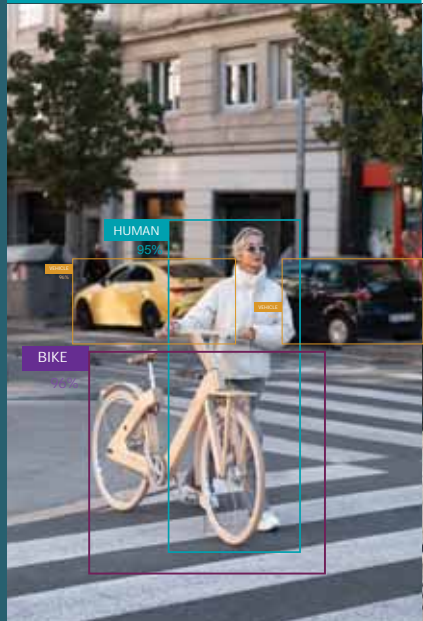

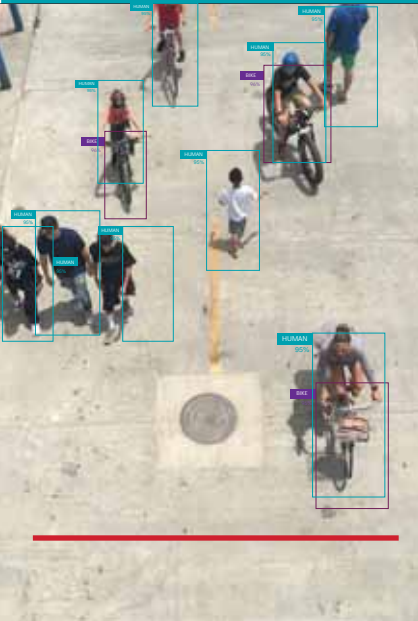

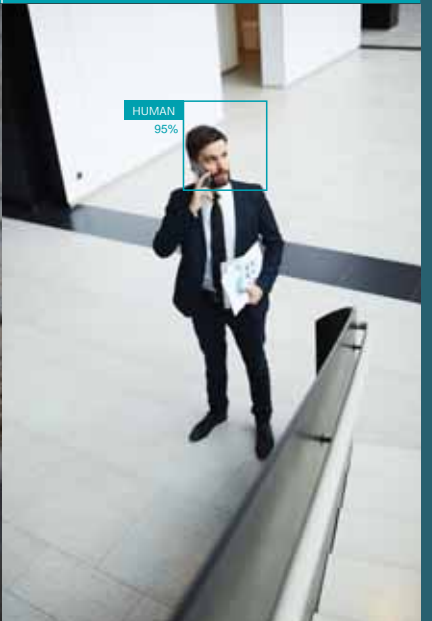
BIKE 96%

Human 99%

BIKE 96%

Video Surveillance

Essential AI-powered functionality that delivers real-time accurate alerts

				
Object Detection	Intrusion	Line Crossing	Loitering	Face Detection
				

AI IN THE BOX WITH IDIS SOLUTION SUITE

NEW
Coming Soon

DV-3200-B

NBAA
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

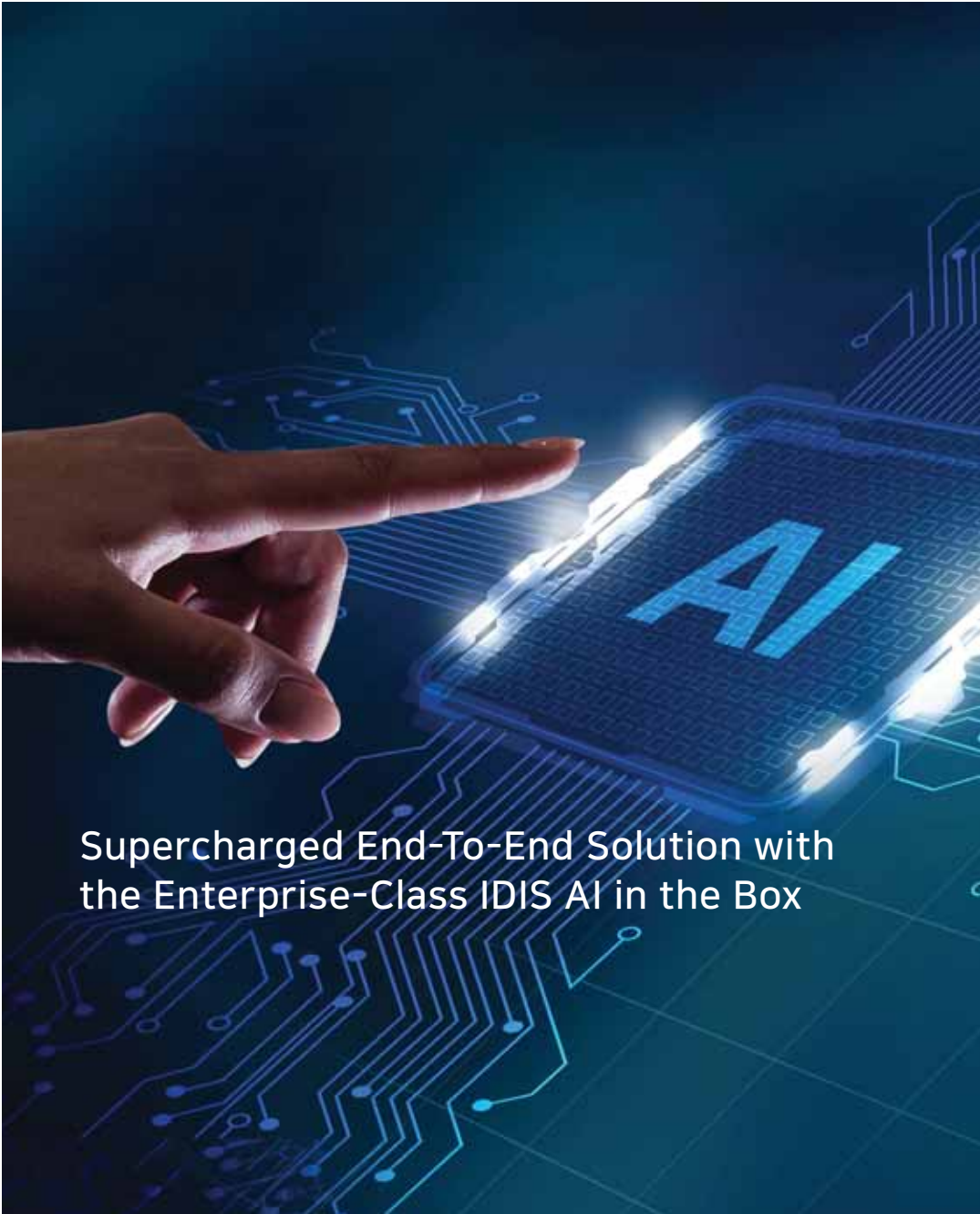


IDIS Deep Learning Analytics (IDLA)

Powered by the
IDIS Deep Learning Engine

- Superior Accuracy deep-learning engine
- Object classification suitable for CCTV application
- Simple configuration and Zero calibration





Supercharged End-To-End Solution with the Enterprise-Class IDIS AI in the Box

NEW DV-3200-B	
SYSTEM	
IDIS Solution Suite	Compatible with IDLA VA Service
Network Connection	2 GbE RJ-45 Ports (1000Base-T)
Channels available for Analytics	Up to 64ch in condition of 640 x 360 @ 5ips video input
IDLA Processing Unit	NVIDIA A2000, 6GB
Operating System	Microsoft® Windows 10 IoT Enterprise
Processor	Intel® I5-10500, 3.1GHz
Memory	DDR4 PC-25600, 16GB
Video Outputs	2 HDMI
USB	6 (2 Front USB 2.0 + 4 Back (3 USB 3.0 TYPE-A + 1 TYPE-C)
MECHANICAL	
Form Factor	2U RACK Mount Chassis
Unit Dimensions (W x D x H)	482.6 mm x 88 mm x 523.5 mm (19" x 3.5" x 20.6")
Unit Weight	11.8 kg (26.0 lbs)
ELECTRICAL	
Power Input	100-240 V~, 50/60 Hz, 6.0 - 3.0 A
Power Supply	Single Power
Power Consumption	270 W
ENVIRONMENTAL	
Operating Temperature	0° to 40°C (32° to 104°F)
Operating Humidity	0% to 90 %
ACCESSORIES SUPPLIED	
Power Cord	1
GENERAL	
Approvals	FCC, CE, CB, UL, KC

AI IN THE BOX

ADD-ON 4-CANNEL SURVEILLANCE AI BOX

NEW

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

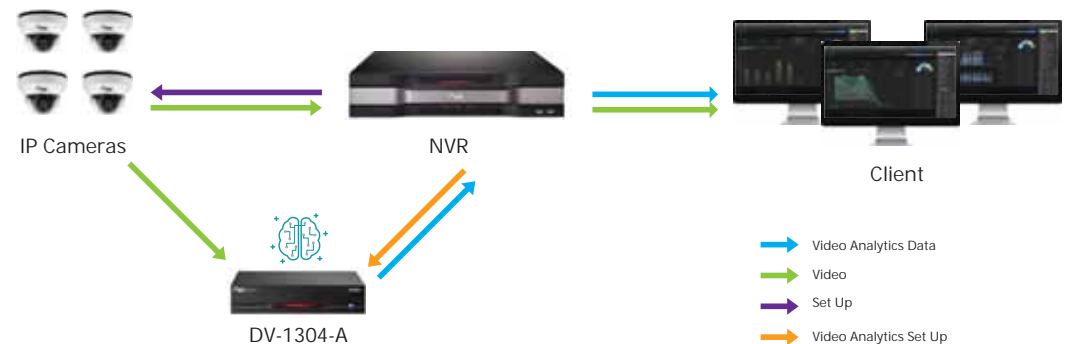


Packed with highly accurate, in-house developed AI-powered analytics



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



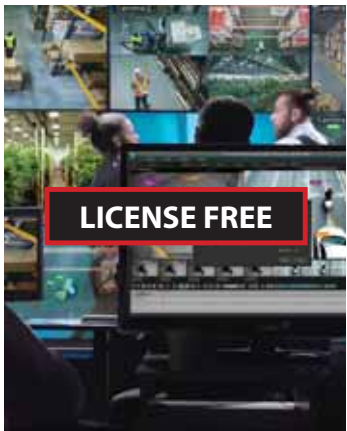
In-house develop AI engine (IDIS Deep Learning Engine)

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.

DV-1304-A	
	
Video	
Video Inputs	4 ch IP
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 Supply	Adaptor (Input: 100-240 V~, 50/60 Hz, 1.2 A, Output: 48 V=, 1.0 A)
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

ENTERPRISE NETWORK VIDEO RECORDERS

Preinstalled VMS with IDIS Workstation

IR-310D

NDA
Compliant

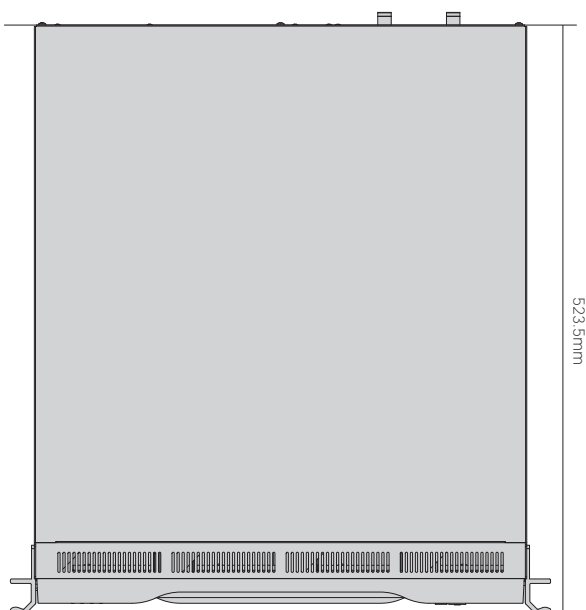
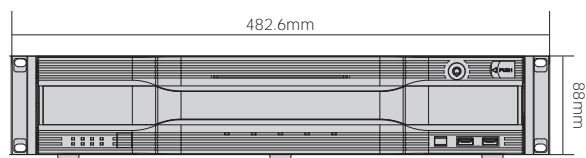
IDIS SOLUTION
SUITE®



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.

- Pre-installed with IDIS Solution Suite VMS
- 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, analog DVR, DirectCX TVR, 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
SYSTEM	IDIS Solution Suite	Compatible with Expert and Federation Version 3.6.0 or Higher
	Network Connection	2 GbE RJ-45 Ports (1000Base-T)
	Recording Data Rate	Up to 400Mbps
	Number of Cameras	64Ch Recommended
	Hard Disk Drive Configuration	8 SATA + 3 eSATA RAID 1, 5, 10 Supported
	SSD	240G SSD for Operating System (M.2 type)
	Operating System	Microsoft® Windows 10 IoT Enterprise
	Processor	Intel® i5-10500, 3.1GHz
	Memory	DDR4 PC-21300, 16GB
	Video Outputs	2 HDMI
	USB	6 (2 Front USB 2.0 + 4 Back (3 USB 3.0 TYPE-A + 1 TYPE-C)
	RS-232	-
	Optical Drive	-
MECHANICAL	Form Factor	2U RACK Mount Chassis
	Dimensions (W x D x H)	482.6mm x 88mm x 523.5mm (19" x 3.5" x 20.6")
	Weight	12.6kg (27.8 lbs)
ELECTRICAL	Power Input	100-240V~, 50/60 Hz, 8.0 - 4.0A (Redundant)
	Power Supply	Dual Power (Redundant SMPS)
	Power Consumption	120W x 2
ENVIRONMENTAL	Operating Temperature	0°C to 40°C (32°F to 104°F)
	Operating Humidity	0% to 90%
ACCESSORIES SUPPLIED	Power Cord	2
GENERAL	Approvals	FCC, CE, CB, UL, PSE, KC

ENTERPRISE NETWORK VIDEO RECORDERS

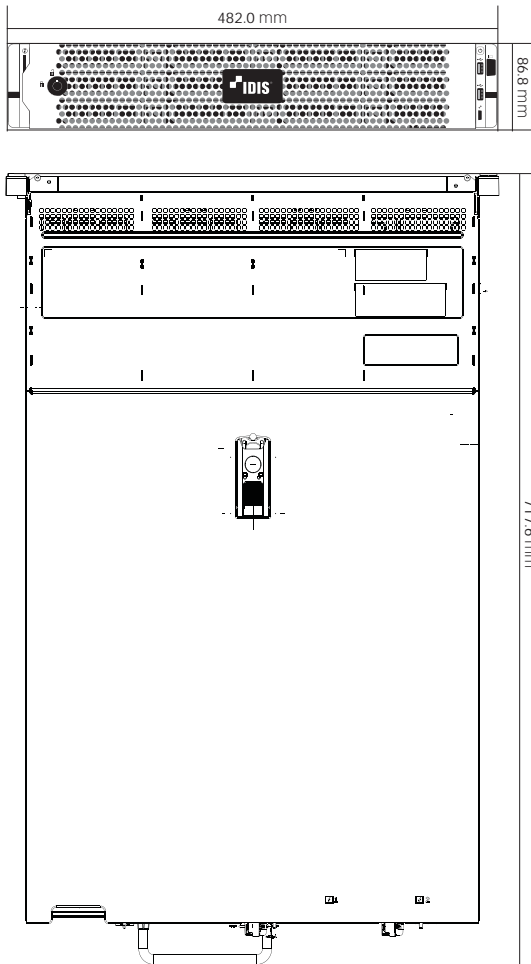
Server PC Preinstalled with VMS

IR-1100 | **NDA** Compliant | **IDIS** SOLUTION SUITE®



- 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
 - * Estimated performance based on NLSAS HDD measurements
- Redundant power for mission-critical reliability
- Complete compatibility with IDIS components: IP cameras, analog DVR, DirectCX TVR, DirectIP NVR, and encoders
- Equipped with RAID 5, RAID 6 recording, hot swappable disk drives
- 2U rack mount chassis with sliding rails and cable management arm for ease of access
- Supports H.264, H.265 compression, and Intelligent Codec
- Supports Onvif Profile S, Axis, Panasonic, etc.

DIMENSIONS



SPECIFICATIONS

IR-1100		
SYSTEM	IDIS Solution Suite	Compatible with Expert and Federation Version 3.6.0 or Higher
	Network Connection	4 GbE RJ-45 Ports (1000Base-T)
	Recording Data Rate	Up to 1,024 Mbps (128MBps, NLSAS HDD)
	Number of Cameras	Up to 256
	Recording Storage	8 Bay
	Hard Disk Drive Configuration	Up to 8 x Large Form Factor NLSAS Hard Disk Drives, Hot-swappable, RAID 5, RAID 6
	Operating System	Microsoft® Embedded Windows Server 2016
	Processor	Intel® Xeon® Processor silver 4210 2.2 G, 10 C/20 T
	Memory	8 GB RAM (1 x 8 GB DDR 4-2666 MT/s RDIMM)
	Video Outputs	1 VGA
MECHANICAL	Form Factor	2U Rack Mount Chassis
	Dimensions (W x H x D)	482.0 mm x 717.6 mm x 86.8 mm (18.97" x 27.71" x 3.41")
ELECTRICAL	Weight	34.5 kg (76 lb)
	Power Input	100-240 V AC, 50/60 Hz
	Power Supply	Redundant, Hot Swappable
ENVIRONMENTAL	Power Consumption	750 W
	Operating Temperature	10° to 35°C (50° to 95°F)
	Storage Temperature	-40° to 65°C (-40° to 149°F)
	Operating Humidity	10 % to 80 % Relative Humidity
	Non-operating Humidity	5 % to 95 % Relative Humidity, 38.7°C (101.7°F) Maximum Wet Bulb Temperature, Non-condensing
	Operating Vibration	0.26 Grms at 5 Hz to 350 Hz
	Storage Vibration	1.88 Grms at 10 Hz to 500 Hz for 15 min
	Operating Shock	Six consecutively executed shock pulses in the positive and negative x, y, and z axes of 6 G for up to 11ms
	Storage Shock	Six consecutively executed shock pulses in the positive and negative x, y, and z axes (one pulse on each side of the system) of 71 G for up to 2 ms
	Operating Altitude	3,048 m (10,000 ft)
Storage Altitude	12,000 m (39,370 ft)	
ACCESSORIES SUPPLIED	Rack Mount Kit	Sliding rail system with cable management arm. Supports: <ul style="list-style-type: none"> • Tool-less mounting in 19"-wide EIA-310-E compliant square hole and unthreaded round-hole 4-post racks • Tooling mounting in threaded hole 4-post racks
	Cable Management Arm	Yes
	Rack Bezel	1, Front
	Power Cord	1
APPROVALS	Emissions Classification (EMC)	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
	Directives	RoHS, Reach(SVHC), WEEE

ORDERING INFORMATION

Part Number	Description
IR-1100-16TB WS12.DP	IDIS Enterprise NVR, 16TB, RAID5 / Redundant Power Supply with Microsoft Windows Server 2016 and IDIS Solution Suite Expert
IR-1100-32TB WS12.DP	IDIS Enterprise NVR, 32TB, RAID5 / Redundant Power Supply with Microsoft Windows Server 2016 and IDIS Solution Suite Expert
IR-1100-48TB WS12.DP	IDIS Enterprise NVR, 48TB, RAID5 / Redundant Power Supply with Microsoft Windows Server 2016 and IDIS Solution Suite Expert

NETWORK CAMERAS

Quadruple video streaming for real-time IP surveillance

DirectIP network cameras provide high-resolution image quality using a megapixel image sensor and seamless images by quadruple multimedia data streaming technology. Once you install and connect DirectIP network cameras and NVRs, the system will automatically display live video without any configuration. With a wide range of cameras available, you can find a network camera to meet your surveillance and application needs.

IDIS Edge AI Camera







5MP AI



COMPACT DOME CAMERAS / DOME CAMERAS



Model Name	Micro Dome, 2MP		Fixed Focal, 2MP	
	DC-C4212RX	DC-D4211CRX	DC-D4212R 4.0mm	DC-D4217RX 2.8mm
	  	  	 	  
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.9" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal
Focal Length	f = 2.8mm	f=2.8mm	f = 4.0mm	f=2.8mm
Aperture	F2.0	F2.0	F2.15	F2.0 (2.8mm)
Iris Control	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris
Angular Field of View	113.74°(H), 61.5°(V), 134.5°(D)	113.74°(H), 61.5°(V), 134.5°(D)	83°(H), 43°(V), 100.4°(D)	111.6°(H), 61.45°(V), 127.3°(D) (f=2.8mm)
Pan / Tilt Range	Pan: -170° ~ 170°, Tilt: 0° ~ 65°, Rotate: -90° ~ 90°	Pan: -170° ~ 170°, Tilt: 0° ~ 65°, Rotate: -90° ~ 90°	Pan: -175° ~ 175°, Tilt: 0° ~ 70°, Rotate: -90° ~ 90°	Pan: -170° ~ 170°, Tilt: -5° ~ 67.5°, Rotate: -109° ~ 109°
Min. Illumination	Color: 0.1 Lux @ F2.0 B/W: 0 Lux (IR LED On)	Color: 0.1 lux @ F2.0 B/W: 0 lux (IR LED On)	Color: 0.2 Lux @ F2.15 B/W: 0 Lux (IR LED On)	Color: 0.1 lux @ F2.0 B/W: 0 lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	More than 70dB	120dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	15m / 49.2ft (1 ea)	15m / 49.2 ft (1 ea)	20m / 65.6ft (2 ea)	20m / 65.6 ft (4 ea)
Image Stabilizer	-	-	-	-
Defog	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	-	-	-	-
Max. Frame Rate	30fps: 1920 x 1080 (WDR)	30fps: 1920 x 1080(WDR)	30fps: 1920 x 1080	30fps: 1920 x 1080
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSec)	Yes (Up to 10MB)	Yes (Up to 60MB)	Yes (Up to 10MB)	Yes (Up to 60MB)
Edge Storage	-	-	-	-
Trigger Event	Motion Detection Tampering Trip Zone	Motion Detection Tampering Trip Zone	Motion Detection Tampering Trip Zone	Motion Detection Tampering Trip Zone
Audio In / Out	-	-	-	-
Alarm In / Out	-	-	-	-
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)	-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)	Ø86mm x 58mm (Ø3.39" x 2.28")	Ø86mm x 59mm (Ø3.39" x 2.32")	Ø130mm x 74.3mm (Ø5.12" x 2.93")	Φ130 x 81.4mm (5.2"x 3.2")
Weight	0.11kg (0.24lb)	0.10kg (0.1lb)	0.21kg (0.46lb)	0.242Kg(0.53lb)
Power Source	PoE IEEE 802.3af (Class 1)	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)	PoE
Power Consumption	PoE, IEEE 802.3af (Class 1), 3.3W	PoE, IEEE 802.3af(Class 2), 3.6W	PoE, IEEE 802.3af (Class 2), 4.6W	PoE, IEEE 802.3af(Class 2), 3.8W

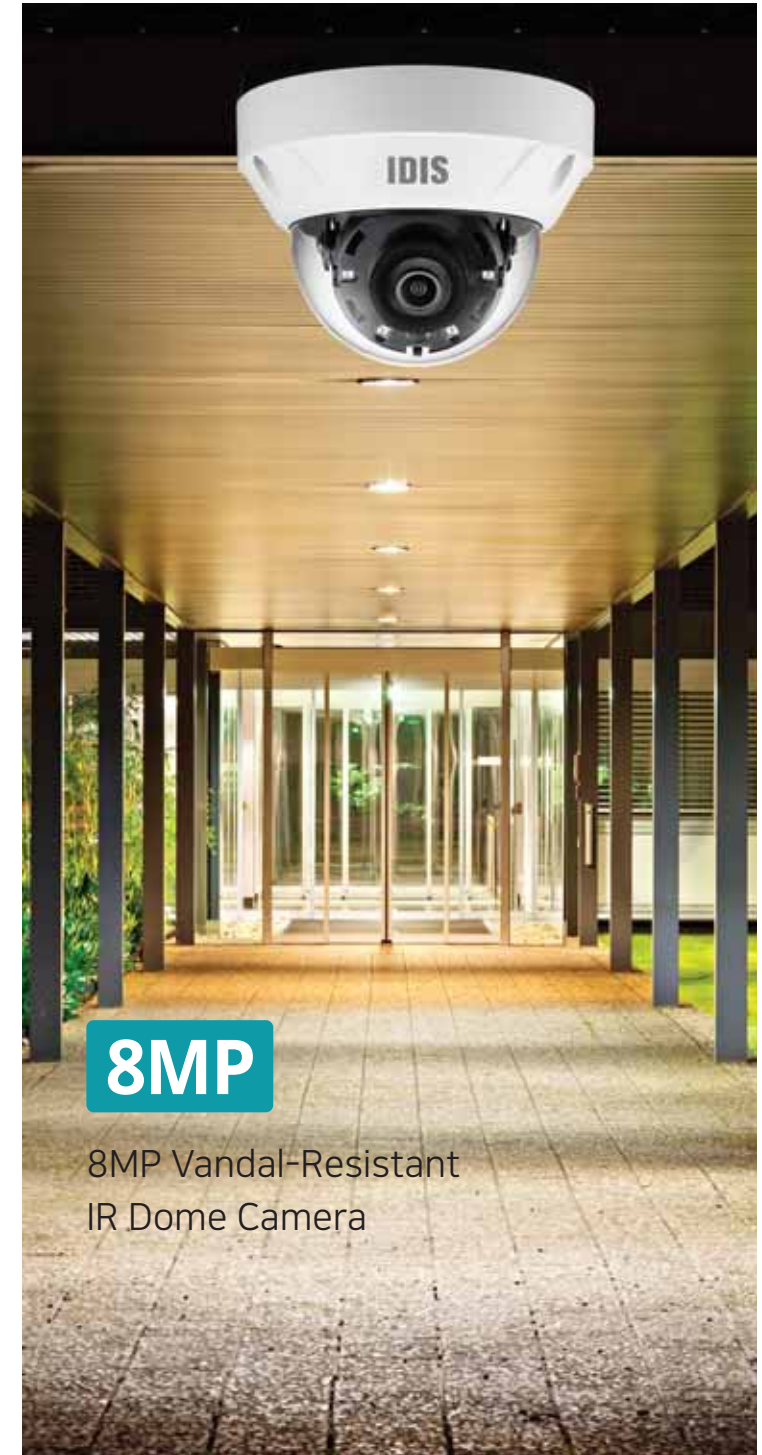
DOME CAMERAS

Model Name	Fixed Focal, 2MP		Fixed Focal, 5MP	
	DC-D4216RX (-A) (2.8mm / 4.0mm)	DC-D4216WRX (-A)	DC-D4516WRX(-A) (2.8mm/4.0mm)	
				
				
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	
Max. Resolution	1920 x 1080	1920 x 1080	2592 x 1944	
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal	
Focal Length	f = 2.8 mm, f = 4.0 mm	f = 2.8 mm	f = 2.8 mm, 4.0 mm	
Aperture	F 2.0 (2.8 mm), F1.6 (4.0 mm)	F 2.0 (2.8 mm)	2.8 mm : F 2.0, 4.0 mm: F 2.15	
Iris Control	Fixed Iris	Fixed Iris	Fixed 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)	2.8 mm :104.8° (H) 76.9°(V) 130°(D) 4.0 mm : 79.2° (H) 56.6°(V) 103°(D)	
Pan / Tilt Range	Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109°	Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109°	Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109°	
Min. Illumination	Color: 0.1 lux @ F2.0 B/W: 0 lux (IR LED On)	Color: 0.1 lux @ F2.0 B/W: 0 lux (IR LED On)	2.8 mm:Color: 0.15 Lux @ F2.0 / B/W: 0 Lux (IR LED On) 4.0mm:Color: 0.15Lux @ F2.15 / B/W: 0 Lux (IR LED On)	
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)	120dB (True WDR)	
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	
IR Distance (LEDs)	30m / 98.4 ft (4ea)	30 m / 98.4 ft (4 ea)	30 m / 98.4 ft (4ea)	
Image Stabilizer	-	-	-	
Defog	-	-	-	
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	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	30 ips: 1920 x 1080 (WDR)	30 ips: 1920 x 1080 (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 (10/100 BASE-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 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 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	IP67	
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)	-30°C ~ +55°C (-22°F ~ +131°F) *Starting up at above 0°C (32°F)	
Dimensions (W x H x D)	Ø110 x 88mm (Ø4.33" x 3.46")	Ø120 x 92.9 mm (Ø4.72" x 3.65")	Ø120.6 mm x 92.9 mm (Ø4.72" x 3.66")	
Weight	0.26kg(0.57lb)	0.465 Kg (1.02 lb)	0.48 kg (1.06 lb)	
Power Source	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3 af (Class 2)	PoE (IEEE 802.3af Class 3)	
Power Consumption	PoE, IEEE 802.3af (Class 2), 4.6W	PoE, IEEE 802.3 af (Class 2), 4.6 W	PoE, (IEEE 802.3af Class 3), 7.6W	

*: -A Model does not have Audio In/Out function.

DOME CAMERAS

	FIXED, 5MP	FIXED, 8MP
Model Name	NEW DC-D4517RXP (2.8mm)  5M NDAA Compliant IDIS PoE Extender	DC-D4811WRX(-A) (3.3mm)  4K 8MP NDAA Compliant
Image Sensor	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	2592 x 1944	3840 x 2160
Lens Type	Fixed-focal	Fixed-focal
Focal Length	f=2.7 - 13.5 mm	f = 3.3 mm
Aperture	F 2.0	F2.0 (3.3 mm)
Iris Control	Fixed Iris	Fixed Iris
Angular Field of View	104.8° (H) 76.9°(V) 130°(D)	101.3° (H) 54.5°(V) 119.7°(D) (f = 3.3 mm)
Pan / Tilt Range	Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109°	Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109°
Min. Illumination	Color: 0.15 lux @ F2.0 B/W: 0 lux (IR LED On)	Color: 0.2 Lux @ F 2.0 B/W: 0 Lux (IR LED On)
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	20 m / 65.6ft (4 ea)	30 m / 98.4 ft (4 ea)
Image Stabilizer	-	-
Defog	Yes	-
Video Out	-	-
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
Max. Frame Rate	4:3 mode: 30 ips: 2592 x 1944 (WDR) 16:9 mode: 30 ips: 2592 x 1456 (WDR)	30ips: 3840 x 2160 15ips : 3840 x 2160 (WDR)
Ethernet	1 RJ45 (10/100BASE-T), 1 Additional RJ45 (10/100BASE-T) for PoE Extender	RJ45 (10/100 BASE-T)
Recording Session Buffer (NLTSSec)	Yes (Up to 60 MB)	Yes (Up to 60 MB)
Edge Storage	-	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
Audio In / Out *	-	1 / 1
Alarm In / Out	-	1 / 1
Vandal Resistance	-	IK10
Outdoor Ready	-	IP67
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F) *Starting up at above 0°C (32°F)	-20°C ~ +55°C(-22°F ~ +131°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	Ø110 x 88mm (Ø4.33" x 3.46")	Ø120.6 x 92.9 mm (Ø4.72" x 3.66")
Weight	0.22kg (0.48lb)	0.48 kg (1.06 lb)
Power Source	PoE, IEEE 802.3at(Class 4)	PoE (IEEE 802.3af Class 3)
Power Consumption	PoE, IEEE 802.3at(Class 4), 25.5W (DC OUT : 42.5-57V-, 0.3A MAX)	PoE, (IEEE 802.3af Class 3), 9.0W

















8MP













8MP Vandal-Resistant
IR Dome Camera

* : -A Model does not have Audio In/Out function.

DOME CAMERAS







Model Name	MFZ, 2MP				
	DC-D6233RX	DC-D6233HRX	DC-D3233FRX-N	DC-D6233HRXL	DC-D6243HRX
	  	  		   	  
Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/1.9" CMOS	1/3" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 2.8 - 12mm	f = 2.8 - 12mm	f = 2.8 - 12mm	f = 4.4 - 10mm	f = 7 - 22mm
Aperture	F1.6 - 2.7	F1.6 - 2.7	F1.6 - 2.7	F1.2 - 1.95	F1.4 - 2.8
Iris Control	P-Iris	P-Iris	P-Iris	P-Iris	P-Iris
Angular Field of View	Wide: 98° (H), 52° (V), 116° (D) Tele: 33° (H), 18.5° (V), 37.9° (D)	Wide: 98° (H), 52° (V), 116° (D) Tele: 33° (H), 18.5° (V), 37.9° (D)	Wide: 98° (H), 52° (V), 116° (D) Tele: 33° (H), 18.5° (V), 37.9° (D)	Wide: 91.5° (H), 48.4° (V), 109° (D) Tele: 43.4° (H), 24.2° (V), 49.9° (D)	Wide: 40° (H), 22° (V), 47° (D) Tele: 16° (H), 9° (V), 18° (D)
Pan / Tilt Range	Pan: -176° ~ 176° Tilt: 0° ~ 66° Rotate: -90° ~ 90°	Pan: -176° ~ 176° Tilt: 0° ~ 66° Rotate: -90° ~ 90°	Pan: -176° ~ 176° Tilt: 0° ~ 66° Rotate: -90° ~ 90°	Pan: -176° ~ 176° Tilt: 0° ~ 66° Rotate: -90° ~ 90°	Pan: -176° ~ 176° Tilt: 0° ~ 66° Rotate: -90° ~ 90°
Min. Illumination	Color: 0.1 Lux @ F1.6 B/W: 0 Lux (IR LED On)	Color: 0.1 Lux @ F1.6 B/W: 0 Lux (IR LED On)	Color: 0.1 Lux @ F1.6 B/W: 0 Lux (IR LED On)	Color: 0.01 Lux @ F1.2 B/W: 0 Lux (IR LED On)	Color: 0.1 Lux @ F1.4 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)	20m / 65.6ft (6ea)	30m / 98.4ft (6ea)	20m / 65.6ft (4ea)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)
Image Stabilizer	-	-	-	-	-
Defog	Yes	Yes	Yes	Yes	Yes
Video Out	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC (Accessory)
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	30fps: 1920 x 1080 (WDR)	30fps: 1920 x 1080 (WDR)	60fps: 1920 x 1080 30fps: 1920 x 1080 (WDR)	30fps: 1920 x 1080 (WDR)	60fps: 1920 x 1080 30fps: 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100 BASE-T)
Recording Session Buffer	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)
Trigger Event	Motion Detection Alarm In Audio Detection Tampering Trip Zone Line Cross Loitering Object Detection	Motion Detection Alarm In Audio Detection Tampering Trip Zone Line Cross Loitering Object Detection	Motion Detection Audio Detection Alarm In Tampering Trip Zone	Motion Detection Alarm In Audio Detection Tampering Trip Zone Line Cross Loitering Object Detection	Motion Detection Alarm In Audio Detection Tampering Trip Zone Line Cross Loitering Object Detection
Audio In / Out	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, Heater	IP67, Heater
Operating Temperature	-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)	-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)	-40°C ~ +60°C (+40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)
Dimensions (W x H x D)	Ø140mm x 108mm (Ø5.5" x 4.25")	Ø160mm x 116.5mm (Ø6.30" x 4.59")	Ø174mm x 122.4mm (Ø6.85" x 4.82") surface: Ø174mm x 70.7mm (Ø6.85" x 2.78")	Ø160mm x 128.5mm (Ø6.30" x 5.06")	Ø160mm x 128.5mm (Ø6.30" x 5.06")
Weight	0.49kg (1.08lb)	1.21kg (2.66lb)	0.72kg (1.58lb)	1.21kg (2.66lb)	1.21kg (2.66lb)
Power Source	12VDC, 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)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12V=, 0.61A, 7.32W PoE, IEEE 802.3af (Class 3)	12V=, 0.82A, 9.84W PoE, IEEE 802.3af (Class 3)	12V =, 0.62A, 7.4W PoE, IEEE 802.3af (Class 3)	12V =, 0.97A, 11.6W PoE, IEEE 802.3af (Class 3)	12V=, 0.82A, 9.84W PoE, IEEE 802.3af(Class 3)

DOME CAMERAS

Model Name	MFZ, 2MP		MFZ, 2MP	
	DC-D4236RX (-A)	DC-D4236HRX (-A)	DC-D4246WX	DC-D4237RX
				
				
				
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	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 2.8 - 12 mm	f = 2.8 - 12 mm	f = 7 - 22 mm	f=2.8 - 12mm
Aperture	F1.4(W) - F2.8(T)	F1.4(W) - F2.8(T)	F 1.4 - F 2.8	F1.4 - F2.8
Iris Control	DC Iris	DC Iris	DC Iris	DC 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: 43.6°(H), 23.5°(V), 51.3°(D) Tele: 16.2°(H), 9.1°(V), 18.5°(D)	Wide: 98°(H), 51°(V), 116°(D) Tele: 33°(H), 19°(V), 38°(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: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177°
Min. Illumination	Color: 0.1 lux @ F1.4 B/W: 0 lux (IR LED On)	Color: 0.1 Lux @ F1.4 B/W: 0 Lux (IR LED On)	Color: 0.1 lux @ F1.4 B/W: 0 lux (IR LED On)	Color: 0.1 lux @ F1.4 B/W: 0 lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120 dB (True WDR)	120dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	30 m / 98.4 ft (6ea)	30 m / 98.4 ft (6ea)	-	30 m / 98.4 ft (6 ea)
Image Stabilizer	-	-	-	-
Defog	-	-	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
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: 1920 x 1080 (WDR)	30ips: 1920 x 1080 (WDR)	30ips: 1920 x 1080 (WDR)	30ips: 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer	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)	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
Audio In / Out *	1 / 1	1 / 1	1 / 1	1 (Built In MIC) + 1 / 1
Alarm In / Out	1 / 1	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)	-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)
Dimensions (W x H x D)	Ø122 x 103.4 mm (Ø4.8" x 4.05")	Ø155 x 105 mm (Ø6.1" x 4.13")	Ø155 x 105 mm (Ø6.1" x 4.13")	Ø122 x 103.4mm (Ø4.8" x 4.07")
Weight	0.37 kg (0.81 lb)	0.99 kg (2.18 lb)	0.985kg (2.17lb)	0.37kg (0.82lb)
Power Source	12 VDC, PoE IEEE 802.3 af (Class 3)	12 VDC, PoE IEEE 802.3 af (Class 3)	12VDC, PoE IEEE 802.3 af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12 V=, 0.64 A, 7.7 W PoE, IEEE 802.3 af (Class 3), 7.6 W	12 V=, 0.95 A, 11.4 W PoE, IEEE 802.3 af (Class 3), 10.3 W	12 V=, 0.64 A, 7.7 W PoE, IEEE 802.3 af (Class 3), 7.8 W	12V=, 0.64A, 7.7W PoE, IEEE 802.3af (Class 3), 7.6W

* : -A Model does not have Audio In/Out function.

DOME CAMERAS

Model Name	MFZ, 5MP	
	DC-D4536RX (-A)	DC-D4536HRX (-A)
	  	  
Image Sensor	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	2592 x 1944	2592 x 1944
Lens Type	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 3.0 -13.5 mm	f = 3.0 -13.5 mm
Aperture	F1.4 - 3.2	F1.4 - 3.2
Iris Control	DC Iris	DC 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)
Pan / Tilt Range	Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177°	Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177°
Min. Illumination	Color : 0.15 Lux @ F1.4 B/W: 0 Lux (IR LED On)	Color : 0.15 Lux @ F1.4 B/W: 0 Lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	30m / 98.4 ft (4ea)	30m / 98.4 ft (4ea)
Image Stabilizer	-	-
Defog	-	-
Video Out	-	-
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
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)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer	Yes (Up to 60MB)	Yes (Up to 60MB)
Edge Storage	micro SD/SDHC/SDXC, Smart Failover (Up to 512GB)	micro SD/SDHC/SDXC, Smart Failover (Up to 512GB)
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	1 / 1	1 / 1
Vandal Resistance	-	IK10
Outdoor Ready	-	IP67, Heater
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)
Dimensions (W x H x D)	Ø122.4 mm x 103.4 mm (Ø4.8" x 4.5")	Ø155 mm x 104.4 mm (Ø6.10" x 4.09")
Weight	0.4 kg (0.88 lb)	1 kg (2.20 lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, 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

* : -A Model does not have Audio In/Out function.

5MP

5MP Vandal-Resistant IR Dome Camera



DOME CAMERAS

Model Name	MFZ, 5MP	MFZ, 5MP
	NEW DC-D4537RXA	NEW DC-D4537HRXA
Image Sensor	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	2592 x 1944	2592 x 1944
Lens Type	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f=2.7 ~ 13.5 mm	f=2.7 ~ 13.5 mm
Aperture	F1.4 ~ 3.2	F1.4 ~ 3.2
Iris Control	DC Iris	DC Iris
Angular Field of View	Wide: 101.2°(H) 72.5°(V) 137.4°(D) Tele: 30.4°(H) 22.8°(V) 38°(D)	Wide: 101.2°(H) 72.5°(V) 137.4°(D) Tele: 30.4°(H) 22.8°(V) 38°(D)
Pan / Tilt Range	Pan: -175° ~ 175° Tilt: 0° ~ 64° Rotate: -177° ~ 177°	Pan: -175° ~ 175° Tilt: 0° ~ 64° Rotate: -177° ~ 177°
Min. Illumination	Color: 0.15 lux @ F1.4 B/W: 0 lux (IR LED On)	Color: 0.15 lux @ F1.4 B/W: 0 lux (IR LED On)
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	40 m / 131.2 ft (6 ea)	40 m / 131.2 ft (6ea)
Image Stabilizer	-	-
De-fog	Yes	Yes
Video Out	-	-
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 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	4:3 mode: 30fps: 2592 x 1944 (WDR) 16:9 mode: 30fps: 2592 x 1456 (WDR)	4:3 mode: 30fps: 2592 x 1944 (WDR) 16:9 mode: 30fps: 2592 x 1456 (WDR)
Ethernet	RJ45 (10/100 BASE-T)	RJ45 (10/100BASE-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, 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 (Built In MIC)+1 / 1	1 / 1
Alarm In / Out	1 / 1	1 / 1
Vandal Proof Casing	-	IK10
Outdoor Ready	-	IP67, Heater
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)
Dimensions (W x H x D)	Ø122 x 103.4 mm (Ø4.8" x 4.07")	Ø155 x 104.4 mm (Ø6.1" x 4.11")
Weight	0.35kg (0.77 lb)	1kg (2.2lb)
Power Source	PoE (IEEE 802.3 af Class 3)	PoE (IEEE 802.3af Class 3)
Power Consumption	12V=, 1A, 12 W PoE, IEEE 802.3 af (Class 3), 9.5 W	12 V=, 1.1 A, 13.2 W PoE, IEEE 802.3 af (Class 3), 10 W



Live Monitoring

High Accuracy Event Triggers

- Object Detection
- Intrusion
- Line Crossing
- Loitering
- Face Detection







Meta Data

IDIS Instant Meta Filtering

- Object Search
- Count Search
- Combination Search

DOME CAMERAS

Model Name	MFZ, 8MP	MFZ, 12MP
	DC-D4831HRX(-A)	DC-D3C33HRX
	 	  IDIS LightMaster
Image Sensor	1/2.8" CMOS	1/1.7" CMOS
Max. Resolution	3840 x 2160	4000 x 3000
Lens Type	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 2.7-13.5 mm	f=4.5 -10mm
Aperture	F1.8 - 3.32	F1.2 - 1.95
Iris Control	DC Iris	P-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)	[8MP mode] Wide: 90.2°(H), 48.5°(V), 106.2°(D), Tele : 41.6°(H), 23.3°(V), 47.8°(D) [12MP mode] Wide: 94.6°(H), 68.5°(V), 125.2°(D), Tele : 43.4°(H), 32.4°(V), 54°(D)
Pan / Tilt Range	Pan: -175° ~ 175° Tilt: 0° ~ 64° Rotate: -177° ~ 177°	Pan: -176° ~ 176° Tilt: 0° ~ 66° Rotate: -90° ~ 90°
Min. Illumination	Color: 0.2 Lux @ F 1.8 B/W: 0 Lux (IR LED On)	Color: 0.3 lux @ F1.6 B/W: 0 lux (IR LED On)
Dynamic Range	120 dB (True WDR)	120dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	40 m / 131.2 ft (6 ea)	30 m / 98.4 ft (6ea)
Image Stabilizer	-	-
De-fog	-	Yes
Video Out	-	1 BNC(Accessory)
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
Max. Frame Rate	30ips: 3840 x 2160 15ips : 3840 x 2160 (WDR)	15ips : 4000 x 3000(WDR) 30ips : 3840x2160(WDR)
Ethernet	RJ45 (10/100 BASE-T)	RJ45 (10/100/1000 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 256GB)
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	1 / 1	1 / 1
Vandal Proof Casing	IK10	IK10
Outdoor Ready	IP67, Heater	IP67,Heater
Operating Temperature	-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)
Dimensions (W x H x D)	Ø155 x 104.4 mm (Ø6.10" x 4.09")	Ø160mm x 128.5mm (Ø6.30" x 5.06")
Weight	1.02 kg (2.25 lb)	1.21 kg (2.66 lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	12 VDC, PoE IEEE 802.3 af (Class 3)
Power Consumption	12V=, 1.2A, 14.4W PoE, IEEE 802.3af Class 3), 12.4W	12V=, 1.0A, 12W PoE, IEEE 802.3af(Class 3)

* : -A Model does not have Audio In/Out function.



12MP

IDIS LightMaster










2MP Vandal-Resistant
IR Dome Camera with Heater

BULLET CAMERAS

Model Name	Fixed Focal, 2MP		Fixed Focal, 8MP
	DC-E4216WRX (-A) (2.8mm)	DC-T4217WRX (2.8mm)	DC-T4811WRX (-A)
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	3840 x 2160
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal
Focal Length	f = 2.8 mm	f = 2.8 mm	f = 3.3 mm
Aperture	F 2.0 / F 1.6	F 2.0	F2.0 (3.3 mm)
Iris Control	Fixed Iris	Fixed Iris	Fixed Iris
Angular Field of View	111.6°(H), 61.45°(V), 127.3°(D)	111.6°(H), 61.45°(V), 127.3°(D)	101.3° (H) 54.5°(V) 119.7°(D)
Min. Illumination	Color: 0.1 lux @ F2.0 B/W: 0 Lux (IR LED On)	Color: 0.1 Lux @ F2.0 B/W: 0 Lux (IR LED On)	Color: 0.2 Lux @ F2.0 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)	30m / 98.4 ft (4 ea)	20m / 65.6 ft (2 ea)	30 m / 98.4 ft (4ea)
Image Stabilizer	-	-	-
Defog	-	-	-
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 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30 ips: 1920 x 1080 (WDR)	30 ips: 1920 x 1080	30ips: 3840 x 2160 15ips : 3840 x 2160 (WDR)
Ethernet	RJ 45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer	Yes (Up to 60 MB)	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 Trip Zone	Motion Detection Tampering Trip Zone	Motion Detection Alarm In Audio Detection* Tampering Trip Zone
Audio In / Out *	1 / 1	-	1 / 1
Alarm In / Out	1 / 1	-	1 / 1
Vandal Resistance	IK 10	IK 10	IK10
Outdoor Ready	IP 67	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)	-20°C ~ +55°C(-22°F ~ +131°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	75 mm x 70 mm x 195.8 mm (2.95" x 2.75" x 7.7")	70.1 mm x 65.0 mm x 182.7 mm (2.75" x 2.56" x 7.2")	75 mm x 70 mm x 195.8 mm (2.95" x 2.75" x 7.7")
Weight	0.655 kg (1.44lb)	0.340 Kg (0.75 lb)	0.66 kg (1.46lb)
Power Source	PoE IEEE 802.3 af (Class 2)	PoE IEEE 802.3 af (Class 2)	PoE (IEEE 802.3 af Class 3)
Power Consumption	PoE, IEEE 802.3 af (Class 2), 6.1 W	PoE, IEEE 802.3 af (Class 2), 5.4 W	PoE, (IEEE 802.3 af Class 3), 9.0 W



* : -A Model does not have Audio In/Out function.

BULLET CAMERAS

Model Name	Fixed Focal, 5MP		
	DC-T4516WRX (-A) (2.8mm)	DC-T4516WRX (-A) (4.0mm)	DC-T4516WRX (-A) (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 = 2.8 mm	f = 4.0 mm	f = 6.0 mm
Aperture	F 2.0	F 2.15	F 1.6
Iris Control	Fixed Iris	Fixed Iris	Fixed Iris
Angular Field of View	104.8°(H) 76.9°(V) 130°(D)	79.2°(H) 56.6°(V) 103°(D)	49.9°(H) 37°(V) 63.6°(D)
Min. Illumination	Color: 0.15 lux @ F2.0 B/W: 0 lux (IR LED On)	Color: 0.15 lux @ F2.15 B/W: 0 lux (IR LED On)	Color: 0.15 lux @ F1.6 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)	30 m / 98.4 ft (4ea)	30 m / 98.4 ft (4ea)	30 m / 98.4 ft (4ea)
Image Stabilizer	-	-	-
Defog	No	No	No
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 *	-	-	-
Max. Frame Rate	4:3 mode : 30fps: 2592 x 1944(WDR) 16:9 mode : 30fps: 2592 x 1456(WDR)	4:3 mode : 30fps: 2592 x 1944(WDR) 16:9 mode : 30fps: 2592 x 1456(WDR)	4:3 mode : 30fps: 2592 x 1944(WDR) 16:9 mode : 30fps: 2592 x 1456(WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)
Edge Storage	micro SD/SDHC/SDXC, Smart Failover (Up to 512GB)	micro SD/SDHC/SDXC, Smart Failover (Up to 512GB)	micro SD/SDHC/SDXC, Smart Failover (Up to 512GB)
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
Audio In / Out *	1 / 1	1 / 1	1 / 1
Alarm In / Out	1 / 1	1 / 1	1 / 1
Vandal Resistance	IK10	IK10	IK10
Outdoor Ready	IP67	IP67	IP67
Operating Temperature	-30°C ~ +55°C (-22°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)	-30°C ~ +55°C (-22°F ~ +131°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	75 mm x 70 mm x 195.8 mm (2.95" x 2.75" x 7.71")	75 mm x 70 mm x 195.8 mm (2.95" x 2.75" x 7.71")	75 mm x 70 mm x 195.8 mm (2.95" x 2.75" x 7.71")
Weight	0.66 kg (1.46 lb)	0.66 kg (1.46 lb)	0.66 kg (1.46 lb)
Power Source	PoE (IEEE 802.3af Class 3)	PoE (IEEE 802.3af Class 3)	PoE (IEEE 802.3af Class 3)
Power Consumption	PoE, (IEEE 802.3af Class 3), 7.9W	PoE, (IEEE 802.3af Class 3), 7.9W	PoE, (IEEE 802.3af Class 3), 7.9W

* : -A Model does not have Audio In/Out function.

BULLET CAMERAS

FIXED, 5MP	
NEW DC-T4517WRXP (4.3mm / 6.2mm)	
Model Name	 <div style="display: flex; justify-content: space-between; align-items: center;"> IDIS PoE Extender <div style="border: 1px solid black; padding: 2px;">5M</div>  </div>
Image Sensor	1/2.8" CMOS
Max. Resolution	2592 x 1944
Lens Type	Fixed-focal
Focal Length	f= 4.3mm / f= 6.2mm
Aperture	F1.6
Iris Control	Fixed Iris
Angular Field of View	4.3 mm : 80°(H) 56.7°(V) 106.9°(D) 6.2 mm : 49.9°(H) 36.7°(V) 64°(D)
Min. Illumination	Color: 0.15 lux @ F 1.6 B/W: 0 lux (IR LED On)
Dynamic Range	120 dB (True WDR)
Day and Night	Yes (ICR)
IR Distance (LEDs)	20 m / 65.6 ft (2 ea)
Image Stabilizer	-
De-Fog	Yes
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	4:3 mode: 30 fps: 2592 x 1944 (WDR) 16:9 mode: 30 fps: 2592 x 1456 (WDR)
Ethernet	1 RJ45 (10/100BASE-T), 1 Additional RJ45 (10/100BASE-T) for PoE Extender
Recording Session Buffer (NLTsrec)	Yes (Up to 60 MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 512 GB)
Trigger Event	Motion Detection Tampering Trip Zone
Audio In / Out	-
Alarm In / Out	PoE, IEEE 802.3at(Class 4)
Vandal Proof Casing	IK10
Outdoor Ready	IP 66
Operating Temperature	-20°C ~ +55°C (-4°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")
Weight	0.44 kg (0.97 lb)
Power Source	PoE, IEEE 802.3 at (Class 4)
Power Consumption	PoE, IEEE 802.3at(Class 4), 25.5W (DC OUT : 42.5-57V=, 0.3A MAX)





5MP

IDIS PoE Extender

H.265 PoE Extender IR Dome Camera



BULLET CAMERAS

Model Name	DC-T6233HRX	DC-T3233HRXL	DC-T6233HRXL
		 	 
Image Sensor	1/3" CMOS	1/1.9" CMOS	1/1.9" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 3.3 - 10mm	f = 4.4 - 10mm	f = 4.4 - 10mm
Aperture	F1.3 - 2.5	F1.2 - 1.95	F1.2 - 1.95
Iris Control	P-Iris	P-Iris	P-Iris
Angular Field of View	Wide: 94.0° (H), 50.0° (V), 110.0° (D) Tele: 31.8° (H), 18.0° (V), 36.6° (D)	Wide: 91.5° (H), 48.4° (V), 109° (D) Tele: 43.4° (H), 24.2° (V), 49.9° (D)	Wide: 91.5° (H), 48.4° (V), 109° (D) Tele: 43.4° (H), 24.2° (V), 49.9° (D)
Min. Illumination	Color: 0.1 Lux @ F1.3 B/W: 0 Lux (IR LED On)	Color: 0.01 Lux @ F1.2 B/W: 0 Lux (IR LED On)	Color: 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)	30m / 98.4ft (10ea)	30m / 98.4ft (10ea)	30m / 98.4ft (10ea)
Image Stabilizer	-	-	-
Defog	Yes	Yes	Yes
Video Out	1 BNC	1 BNC	1 BNC
Video Compression	H.264 (MP), M-JPEG, H.265	H.265, H.264 (MP), M-JPEG	H.264 (MP), M-JPEG, H.265
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 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30fps: 1920 x 1080 (WDR)	60fps: 1920 x 1080 30fps: 1920 x 1080 (WDR)	60fps: 1920 x 1080 30fps: 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000 BASE-T)
Recording Session Buffer	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)
Trigger Event	Motion Detection Alarm In Audio Detection Tampering Trip Zone Line Cross Loitering Object Detection	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Alarm In Audio Detection Tampering Trip Zone Line Cross Loitering Object Detection
Audio In / Out	1 / 1	1 / 1	1 / 1
Alarm In / Out	1 / 1	1 / 1	1 / 1
Vandal Resistance	IK10	IK10	IK10
Outdoor Ready	IP66, Heater	IP66, Heater	IP66, Heater
Operating Temperature	-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)	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)
Dimensions (W x H x D)	Ø73.5mm x 308.5mm (Ø2.9" x 12.15")	Ø73.5mm x 308.5mm (Ø2.9" x 12.15")	Ø73.5mm x 308.5mm (Ø2.9" x 12.15")
Weight	1.17kg (2.58lb)	1.17kg (2.58lb)	1.17kg (2.58lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12V =, 0.85A, 10.2W PoE, IEEE 802.3af (Class 3)	12V =, 0.8A, 9.6W PoE, IEEE 802.3af (Class 3)	12V =, 0.8A, 9.6W PoE, IEEE 802.3af (Class 3)

BULLET CAMERAS

Model Name	MFZ, 2MP	MFZ, 5MP	MFZ, 5MP	MFZ, 8MP	MFZ, 12MP
	DC-T4236HRX (-A)	DC-T4536HRX (-A)	NEW DC-T4537HRXA	DC-T4831HRX (-A)	DC-T3C33HRX
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/1.7" CMOS
Max. Resolution	1920 x 1080	2592 x 1944	2592 x 1944	3840 x 2160	4000 x 3000
Lens Type	Motorized Vari-focal	Motorized Vari Focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 2.8 - 12 mm	f = 3.0-13.5 mm	F = 2.8 - 13.5 mm	f = 2.7-13.5 mm	f = 4.5 - 10mm
Aperture	F1.4 - 2.8	F1.4 - 3.2	F1.4 - F3.2	F1.8 - 3.32	F1.6 - 2.6
Iris Control	DC Iris	DC Iris	DC Iris	DC Iris	P-Iris
Angular Field of View	Wide: 98° (H) 51° (V) 116° (D) Tele: 33° (H) 19° (V) 38° (D)	Wide: 91°(H) 66°(V) 120°(D) Tele: 31°(H) 23°(V) 38(D)	Wide: 101.2°(H) 72.6°(V) 137.4°(D) Tele: 30.4°(H) 22.8°(V) 38(D)	Wide: 110.6°(H) 57.3°(V) 134.1°(D) Tele: 32.6°(H) 18.3°(V) 37.4(D)	[8MP mode] Wide: 90.2° (H), 48.5° (V), 106.2° (D) Tele: 41.6° (H), 23.3° (V), 47.8° (D) [12MP mode] Wide: 94.6° (H), 68.5° (V), 125.2° (D) Tele: 43.4° (H), 32.4° (V), 54° (D)
Min. Illumination	Color: 0.1 Lux @ F1.4 B/W: 0 Lux (IR LED On)	Color: 0.15 lux @ F2.0 B/W: 0 lux (IR LED On)	Color: 0.15 lux @ F 1.4 B/W: 0 lux (IR LED On)	Color: 0.2 Lux @ F1.8 B/W: 0 Lux (IR LED On)	Color: 0.2 Lux @ F1.6 B/W: 0 Lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120 dB (True WDR)	120dB (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 (6ea)	30 m / 98.4 ft (4ea)	40 m / 131.2 ft (6ea)	40 m / 131.2 ft (6ea)	50m / 164 ft (4ea)
Image Stabilizer	-	-	-	-	-
Defog	-	-	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 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	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	30 ips: 1920 x 1080 (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)	30ips: 3840 x 2160 15ips : 3840 x 2160 (WDR)	30ips: 3840 x 2160 (WDR) 15ips: 4000 x 3000 (WDR)
Ethernet	RJ 45 (10/100BASE-T)	RI45 (10/100BASE-T)	RJ 45 (10/100BASE-T)	RI45 (10/100BASE-T)	RI45 (10/100/1000 BASE-T)
Recording Session Buffer	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	Yes (Up to 100MB)
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 256GB)
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	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone
Audio In / Out*	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	IK 10	IK10	IK10	IK10	IK10
Outdoor Ready	IP 67, Heater	IP67, Heater	IP 67, Heater	IP67, Heater	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 ~ +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)
Dimensions (W x H x D)	Ø 77 mm X 244.1 mm (Ø3.0" x 9.61")	80 mm x 75 mm x 237 mm (3.15" x 2.95" x 9.33")	89.3mm X 89.3mm X 277.6mm (3.52" x 3.52" x 10.93")	80 mm x 75 mm x 237 mm (3.15" x 2.95" x 9.33")	132.8mm x 132.8mm x 372.9mm (5.23" x 5.23" x 14.68")
Weight	0.84 kg (1.85lb)	0.97 kg (2.14 lb)	1.293 kg (2.85 lb)	1.01kg (2.23lb)	2.7kg (5.95lb)
Power Source	12 VDC, PoE IEEE 802.3af (Class 3)	12 VDC, PoE IEEE 802.3 af (Class 3)	PoE (IEEE 802.3 af Class 3)	12 VDC, PoE IEEE 802.3 af (Class 3)	12VDC, PoE IEEE 802.3at (Class 4)
Power Consumption	12 V=, 0.78 A, 9.3 W PoE, IEEE 802.3 af (Class 3), 8.5 W	12 V=, 1.1 A, 13.2 W PoE, IEEE 802.3 af(Class 3), 11 W	12 V=, 1 A, 12 W PoE, IEEE 802.3 af(Class 3), 9.7 W	12 V=, 1.1 A, 13.2 W PoE, IEEE 802.3 af (Class 3), 11.7 W	12V =, 1.6A, 19.2W PoE, IEEE 802.3at (Class 4)

* : -A Model does not have Audio In/Out function.



LOW LIGHT CAMERA

IDIS LightMaster

- Wide range Vari-focal lens (f=12~50mm)
- Remote Auto Back Focus (ABF)
- Powerful IR LED
(License plate capture up to 80km/h @20m)

BULLET CAMERAS



		MFZ, 2MP
		NEW DC-T6224HRXL
Model Name	 <div style="float: right; text-align: right;"> Full HD 2MP  </div>	
Image Sensor	1/2" CMOS	
Max. Resolution	1920 x 1080	
Lens Type	Vari-focal	
Focal Length	f=12 - 50 mm	
Aperture	F1.5 - 1.9	
Iris Control	P-Iris	
Angular Field of View	Wide : 33°(H), 18°(V), 38°(D) Tele : 9°(H), 5°(V), 10°(D)	
Min. Illumination	Color Mode : 0.02 lux @F1.5 BW Mode : 0 lux (IR LED On)	
Dynamic Range	120 dB (True WDR)	
Day and Night	Yes (ICR)	
IR Distance (LEDs)	20 m (License plate capture up to 80 km/h) 100m (Surveillance)	
Image Stabilizer	-	
De-Fog	-	
Video Out	-	
Video Compression	H.265, H.264 (MP), M-JPEG	
Intelligent Codec	Yes	
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	
Max. Frame Rate	25 ips : 1920 x 1080 30 ips : 1920 x 1080	
Ethernet	RJ 45 (10/100 BASE-T)	
Recording Session Buffer (NLTsrec)	Yes (Up to 60 MB)	
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 / 1	
Alarm In / Out	2 / 1	
Vandal Proof Casing	-	
Outdoor Ready	IP66	
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	
Dimensions (W x H x D)	166.5 mm x 129.5 mm x 540 mm (6.56" x 5.1" x 21.26")	
Weight	4.65 kg (10.25 lb)	
Power Source	100 V - 240 VAC	
Power Consumption	100-240 V~, 50/60 Hz, 1.0-0.5 A, 50 W	









IDIS SUPER FISHEYE CAMERAS

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, 5MP		Fixed Focal, 12MP	
	DC-Y6516WRX (-A)	DC-Y6516X	DC-Y8C13WRX	DC-Y6C16WRX (-A)
	 	 	 	 
Image Sensor	1/1.8" CMOS	1/1.8" CMOS	1/1.7" 12MP CMOS	1/2.3" 12MP CMOS
Max. Resolution	2560 x 2048	2560 x 2048	3200 x 2944	2944 x 2944
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal
Focal Length	f = 1.5 mm	f=1.5 mm	f=1.2mm	f = 1.6 mm
Aperture	F 1.8	F 1.8	F2.2	F 2.0
Iris Control	Fixed Iris	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)	180°(H), 180°(V), 180°(D)
Pan / Tilt / Zoom	-	-	-	-
Min. Illumination	Color: 0.15 Lux @ F 1.8 B/W: 0 Lux (IR LED On)	Color: 0.15 lux @ F1.8 B/W: 0.015 lux @ F1.8	Color: 0.2 Lux @ F2.2 B/W: 0 Lux (IR LED On)	Color: 0.3 Lux @ F 2.0 B/W: 0 Lux (IR LED On)
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)	120dB (True WDR)	120 dB (True WDR)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	20 m / 65.6 ft (4 ea)	-	15m / 49.2ft (6ea)	15 m / 49.2 ft (4 ea)
Image Stabilizer	-	-	-	-
Viewing Composition	10, 1P, 1P2R, 2P, 4R, 107R	10	10, 1P, 1P2R, 2P, 4R, 107R	10, 1P, 1P2R, 2P, 4R, 107R
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 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 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	30 ips: 2560 x 2048 (WDR)	30 ips: 2560 x 2048 (WDR)	30ips: 3200 x 2944 15ips: 3200 x 2944 (WDR)	30 ips: 2944 x 2944 15 ips : 2944 x 2944 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ 45 (10/100BASE-T)	RJ45 (10/100/1000BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTsrec)	Yes (Up to 60 MB)	Yes (Up to 60 MB)	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 256GB)	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	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	1 (Built In MIC) +1 / 1
Alarm In / Out	1 / 1	1 / 1	1 / 2	1 / 1
Vandal Resistance	IK 10	-	IK10	IK 10
Outdoor Ready	IP 67	-	IP67	IP 67
Operating Temperature	-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)	-10°C ~ +60°C (+14°F ~ +140°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)
Dimensions (W x H x D)	Ø135 x 56.9 mm (Ø5.31" x 2.24")	Ø122 x 35.8 mm (Ø4.80" x 1.40")	Ø155.0mm x 58.3mm (Ø6.10" x 2.29")	Ø135 x 56.9 mm (Ø5.31" x 2.24")
Weight	0.67 kg (1.47 lb)	0.280 kg (0.62 lb)	0.840 kg (1.85 lb)	0.67 kg (1.47 lb)
Power Source	12 VDC, PoE (IEEE 802.3 af Class 3)	PoE (IEEE 802.3 af Class 2)	12VDC, PoE IEEE 802.3af (Class 3)	12 VDC, PoE IEEE 802.3 af (Class 3)
Power Consumption	12V=, 0.92 A, 11 W PoE (IEEE 802.3 af Class 3), 10.3 W	PoE (IEEE 802.3 af Class 2), 5.6 W	12V=, 1A, 12W PoE, IEEE 802.3af (Class 3), 12W	12 V=, 0.94 A, 11.3 W PoE, IEEE 802.3 af (Class 3), 10.6 W

* : -A Model does not have Audio In/Out function.

IDIS PREMIER IR PTZ CAMERAS

IDIS IR PTZ cameras offer up to 4K resolution and 31x zoom, providing clear monitoring of distant objects







Both cameras offer 31x optical zoom and high resolution images (4K: DC-S3883HRX, 5MP: DC-S3583HRX), making it possible to monitor city streets, parking, casinos, public spaces, airports, as well as other large outdoor locations. Offering at least twice the pixels of Full HD, the cameras deliver noticeably superior image quality.



SPEED DOME CAMERAS






Model Name	Outdoor PTZ, 2MP, 30x	Indoor, MFZ, 2MP, 12x	Indoor PTZ, 2MP, 30x	MFZ, 2MP, x30	MFZ, 2MP, x30
	DC-S3283WHX (-A)	DC-S6261X (-A)	DC-S3283FX (-A)	DC-S6281HX	DC-S6281FX
Image Sensor	1/3" CMOS	1/2.8" CMOS	1/3" 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	AF Zoom Lens	AF Zoom Lens	AF Zoom Lens	AF Zoom Lens	AF Zoom Lens
Focal Length	f = 4.3 - 129mm	f = 5.3 - 64 mm (12x)	f = 4.3 - 129 mm	f = 5.2 mm ~ 156 mm	f = 5.2 mm ~ 156 mm
Aperture	F1.6 - 5.0	F1.6 - 2.8	F1.6 - 5.0	F1.33 - F4.95	F1.33 - F4.95
Iris Control	DC Auto Iris (Hall Sensor)	DC Auto Iris (Hall Sensor)	DC Auto IRIS (Hall Sensor)	DC Auto Iris (Hall Sensor)	DC Auto Iris (Hall Sensor)
Angular Field of View	Wide: 64.7° (H), 38.6° (V), 72.7° (D) Tele: 2.3° (H), 1.4° (V), 2.6° (D)	Wide: 58.2°(H), 34°(V), 65.3°(D) Tele: 4.83°(H), 2.8°(V), 5.7°(D)	Wide : 58.2°(H), 34°(V), 65.3°(D) Tele : 4.83°(H), 2.8°(V), 5.7°(D)	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	Color: 0.1 Lux @ F1.6 B/W: 0.01 Lux @ F1.6	Color: 0.1 Lux @ F1.6 B/W: 0.01 Lux @ F1.6	Color : 0.1 Lux @ F1.6 B/W : 0.01 Lux @ F1.6	Color: 0.1 lux @ F1.33 B/W: 0.01 lux @ F1.33	Color: 0.1 lux @ F1.33 B/W: 0.01 lux @ F1.33
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)
IR Distance (LEDs)	-	-	-	-	-
Image Stabilizer	-	Yes (EIS)	-	Yes (EIS)	Yes (EIS)
Auto Tracking	Yes	No	Yes	No	No
Video Out	-	-	-	1 Terminal Block	-
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 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	60ips: 1920 x 1080 30ips: 1920 x 1080 (WDR)	30ips: 1920 x 1080 (WDR)	60 ips : 1920 x 1080 30 ips : 1920 x 1080 (WDR)	30 ips: 1920 x 1080 (WDR)	30 ips: 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100/1000BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ 45 (10/100 BASE-T)	RJ 45 (10/100 BASE-T)
Recording Session Buffer (NLTsrec)	Yes (Up to 60MB)	Yes (Up to 60MB)	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)	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 Trip Zone
Audio In / Out *	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Alarm In / Out	4 / 2	1 / 1	4 / 2	4 / 2	4 / 2
Vandal Proof Casing	IK10	-	-	IK 10	IK 10
Outdoor Ready	IP67, Heater	-	-	IP 67	-
Operating Temperature	-40°C ~ +60°C (+40°F ~ +140°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 ~ +60°C (+14°F ~ +140°F) *Starting Up at Above 0°C (32°F)	-40°C ~ +55°C (-40°F ~ +140°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)	Ø200mm x 201mm (Ø7.88" x 7.91")	Ø155 mm x 158.1 mm (Ø6.1" x 6.22")	Ø226.5 mm x 225.3 mm (Ø8.92" x 8.87")	Ø200 mm x 201 mm (Ø7.88" x 7.91")	Ø226.5 mm x 203.5 mm (Ø8.92" x 8.01")
Weight	2.45 kg (5.41lb)	1.0 kg (2.20 lb)	2.2 kg (4.86 lb)	2.54 kg (5.60 lb)	1.82 kg (4.01 lb)
Power Source	24VAC, PoE IEEE 802.3at (Class 4)	12VDC, PoE IEEE 802.3af (Class 3)	24VAC, PoE IEEE 802.3 af (Class 3)	24VAC, PoE IEEE 802.3at (Class 4)	24 VAC, PoE IEEE 802.3 at (Class 4)
Power Consumption	Heater Off 24V~, 0.66A, 12.0W, 50/60Hz PoE, IEEE 802.3at (Class 4) Heater On 24V~, 0.82A, 15.3W, 50/60Hz PoE, IEEE 802.3at (Class 4)	12VDC, 9.2W PoE (IEEE 802.3af Class 3), 10W	24 V~, 0.66 A, 12.0 W, 50/60 Hz PoE, IEEE 802.3 af (Class 3)	Heater Off 24 V~, 0.8 A, 13.8 W, 50/60 Hz PoE, IEEE 802.3 at (Class 4), 13.6 W Heater On 24 V~, 1.0 A, 17.6 W, 50/60 Hz PoE, IEEE 802.3 at (Class 4), 17.2 W	24 V~, 0.8 A, 13.8 W, 50/60 Hz PoE, IEEE 802.3 at (Class 4), 13.6 W

SPEED DOME CAMERAS

Model Name	MFZ, 2MP, 36x	MFZ, 6MP, 31x	MFZ, 8MP, 31x
	DC-S6286HRXL	DC-S6681HRX	DC-S6881HRX
Model Name	 IDIS LightMaster 	 	 
Image Sensor	1/2" CMOS	1/1.8" CMOS	1/1.8" CMOS
Max. Resolution	1920 x 1080	3328 x 1872	3840 x 2160
Lens Type	AF Zoom Lens	AF Zoom Lens	AF Zoom Lens
Focal Length	f = 6 - 216 mm	f = 6.5 - 202 mm	f = 6.5 - 202 mm
Aperture	F1.36 - 4.6	F 1.55 - 4.8	F 1.55 - 4.8
Iris Control	DC Auto Iris (Hall Sensor)	DC Auto Iris (Hall Sensor)	DC Auto Iris (Hall Sensor)
Angular Field of View	Wide: 57.36°(H), 33.12°(V), 65.18°(D) Tele: 1.92°(H), 1.08°(V), 2.2°(D)	Wide: 63°(H), 37.6°(V), 70.3°(D) Tele: 2.37°(H), 1.33°(V), 2.7°(D)	Wide: 63°(H), 37.6°(V), 70.3°(D) Tele: 2.37°(H), 1.33°(V), 2.7°(D)
Min. Illumination	Color: 0.02 lux @ F1.36 B/W: 0 lux (IR LED On)	Color: 0.1 Lux @ F1.55 B/W: 0 Lux (IR LED On)	Color: 0.1 lux @ F1.55 B/W: 0 lux (IR LED On)
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)
IR Distance (LEDs)	350 m / 1,148.2 ft (2ea)	300 m/984.3ft (2ea)	300 m/984.3 ft (2 ea)
Image Stabilizer	Yes (EIS)	Yes (EIS)	Yes (EIS)
Auto Tracking	No	No	No
Video Out	1 Terminal Block	1 Terminal Block	1 Terminal Block
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: 1920 x 1080 (WDR)	30ips: 3840 x 2160(WDR)	30 ips: 3840 x 2160 (WDR)
Ethernet	RJ 45 (10/100 BASE-T)	RJ 45 (10/100 BASE-T)	RJ 45 (10/100 BASE-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	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	1 / 1
Alarm In / Out	8 / 2	8 / 2	8 / 2
Vandal Proof Casing	IK 10	IK10	IK10
Outdoor Ready	IP66, Heater	IP66, Heater	IP66, Heater
Operating Temperature	-40°C ~ +55°C *Starting up at above -20°C (-4°F)	-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 mm x 401.8 mm (Ø9.52" x 15.82")	Ø242.0 mm x 401.1mm (Ø9.52" x 15.79")	Ø242.0 mm x 401.8mm (Ø9.52" x 15.82")
Weight	6.7 kg (14.77 lb)	7.4 kg (16.31 lb)	7.4 kg (16.31 lb)
Power Source	24 VAC, PoE (75 W)	24 VAC, High-PoE (75 W)	24 VAC, High-PoE (75 W)
Power Consumption	Heater, IR LED Off 24 V-, 1.6 A, 26.2 W, 50/60 Hz High-PoE, 50-57 V, 23.6 W Heater / IR On 24 V-, 2.3 A, 39.6 W, 50/60 Hz High-PoE, 50-57 V, 35.6 W	Heater, IR LED Off 24 V-, 1.2 A, 21.1 W, 50/60 Hz High-PoE, 50-57 V, 20.3 W Heater, IR LED On 24 V-, 3.4 A, 65.8 W, 50/60 Hz High-PoE, 50-57 V, 60.0 W	Heater, IR LED Off 24 V-, 1.2 A, 21.1 W, 50/60 Hz High-PoE, 50-57 V, 20.3 W Heater, IR LED On 24 V-, 3.4 A, 65.8 W, 50/60 Hz High-PoE, 50-57 V, 60.0 W

COVERT MODULAR CAMERAS



Model Name	FIXED, 2MP		
	DC-V3213XJ (2.5mm)	DC-V4212XJ (4.3mm)	DC-V4212XJ (2.4mm)
		 	 
Image Sensor	1/2.9" SONY CMOS Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor
Max. Resolution	1920 x 1080	1920x1080	1920x1080
Scanning Mode	Progressive Scan	Progressive Scan	Progressive Scan
Lens Type	Fixed-focal Board Type	Fixed-focal Sharp-cone	Fixed-focal Board type
Focal Length	f = 2.5mm	f=4.3 mm	f=2.4 mm
Aperture	F2.0	F=2.0	F=2.0
Iris Control	Fixed Iris	Fixed Iris	Fixed Iris
Angular Field of View	132° (H), 70° (V), 150° (D)	81.6°(H), 42.3°(V), 99°(D)	132.5°(H), 72.7°(V), 154.7°(D)
Min. Illumination	Color: 0.1 Lux B/W: 0.01 Lux	Color: 0.1 lux B/W: 0.01 lux	Color: 0.1 lux B/W: 0.01 lux
Dynamic Range	120dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)
Day and Night	Electrical	Electrical	Electrical
IR Distance (LEDs)	-	-	-
Video Out	-	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.264 (MP), M-JPEG, H.265	H.264 (MP), M-JPEG, H.265
Intelligent Codec	Supported	Supported	Supported
Audio Compression	G.726, G.711 u-Law, G.711 a-Law	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	Yes
Max. Frame Rate	30ips: 1920 x 1080 15ips: 1920 x 1080 (WDR)	30 ips: 1920 x 1080 (WDR)	30 ips: 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)
Recording Session Buffer (NLTsrec)	Yes (Up to 60MB)	Yes (Up to 60 MB)	Yes (Up to 60 MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	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
Audio In / Out	1 / 1	1 / 1	1 / 1
Alarm In / Out	1 / 1	1 / 1	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)	-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	153mm x 36.5mm x 132.7mm (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")	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	39mm x 40mm x 35mm (1.54" x 1.57" x 1.38")	Body Only : 37 (W) x 37 (H) x 26.3 (D) mm With Bracket : 58 (W) x 45 (H) x 55.3 (D) mm	Body Only : 37 (W) x 37 (H) x 30.5 (D) mm With Bracket : 58 (W) x 45 (H) x 59.5 (D) mm
Weight	0.9kg (1.98lb)	Main module: 0.474 kg (1.045 lb) Camera module: 0.058 kg (0.128 lb)	Main module: 0.474 kg (1.045 lb) Camera module: 0.058 kg (0.128 lb)
Power Source	12VDC, PoE IEEE 802.3at (Class 4)	12 VDC, PoE IEEE 802.3 at (Class 4)	12 VDC, PoE IEEE 802.3 at (Class 4)
Power Consumption	12V=, 0.37A, 4.44W PoE, IEEE 802.3at(Class 4)	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

THERMAL CAMERAS

Dual Sensor Camera

DC-TH2012WR



- Dual Sensor (Thermal + Sensor) IP Camera
- 3 Mode Display Support (Visual / Thermal / Overlay)
- Onvif-compliant
- White LED (Manual Operation or Temperature Alarm)
- IP67 Ingress Protection

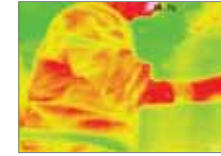
SPECIFICATIONS

Feature		
Thermal Image	IR Sensor Frame Rate	< 9 Hz
	IR Sensor Resolution	160 (H) x 120 (V) Pixel
	Spectral Range	LWIR, 8 to 14μm
	Field of View (FOV)	57° HFOV, 71° Diagonal (f/1.1 Silicon Double)
	Temperature Sensitivity	< 50 mK (0.05°C)
Visible Image	Temperature Range	Low Gain Mode: -10°C ~ 140°C High Gain Mode: -10°C ~ 450°C
	CMOS Sensor	1/2.9 inch Sony CMOS Progressive Scan
	Effective Pixels	3096 (H) x 2202 (V) : 6.82M Pixel
	Min. Illumination	0.1 Lux / F#1.2
	Focal Length	3.5mm
	Frame Rate	30fps
Others	Resized Resolution	MAX: 2592 (H) x 1944 (V) Pixel , MIN: 640(H) x 480 (V) Pixel
	Multi-User Access	8 (RTSP Streaming)
	Alarm Out	1 Port (Dry Contact, Relay Out)
	Operating Temperature	0°C ~ +50°C (32°F ~ +122°F)
	Power	PoE (802.3.af), DC12V
	Power Consumption	5W
	Outdoor Ready	IP67
Dimension (W x H x D)	80mm x 131mm x 47mm (3.15"x 5.15" x 1.85")	
Weight	0.4 kg (0.88 lb)	

Visual/Thermal Overlay Mode



Visual Image
Stream#1 @ 5.0MP



Thermal Image (Color)
Stream#2 @ 160 x 120



Overlaid Image (Color)
Stream#3 @ 720 x 540

Multiple Points of Temperature Measurement

Up to 10 Points of Simultaneous Temperature Probing



Min & Max | Temperature
+ Contrast Ratio

Case Study



Tunnel



Coal Conveyor



Valve



Garbage Yard



Warehouse



HD-TVI RECORDERS

Overlapped Recording

When a user changes the TVR 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-1000 SERIES

	TR-1204	TR-1208
Model Name		
VIDEO		
Video Inputs	4 BNC (Multistandard Analog)	8 BNC (Multistandard Analog)
Supported Camera Types	720P25, 720P30, 1080P25, 1080P30, CVBS (NTSC / PAL)	720P25, 720P30, 1080P25, 1080P30, CVBS (NTSC / PAL)
Video Outputs	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Display Resolution	HDMI / VGA: 1920 x 1080, 1440 x 900, 1280 x 1024	HDMI / VGA: 1920 x 1080, 1440 x 900, 1280 x 1024
Display Speed	Up to 120ips	Up to 120ips
RECORDING		
Recording Resolution	1920 x 1080, 1280 x 720, 960 x 480, 720 x 480 960 x 240, 720 x 240, 480 x 240, 360 x 240	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	120ips @ 1080P	240ips@1080P
Recording Mode	Time-Lapse, Event, Pre-Event, Panic	Time-Lapse, Event, Pre-Event, Panic
Trigger Events	Motion Detection, Video loss	Motion Detection, Video loss
PLAYBACK		
Performance	1ch 1080P / 4ch D1 Synchronous Playback	8ch D1 Synchronous Playback
Search Mode	Time-lapse, Event log, Motion	Time-lapse, Event log, Motion
Digital Zoom	x2 ~ x12	x2 ~ x12
STORAGE		
HDD	SATA x1	SATA x1, (Up to 6TB Capacity, 3.5
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, shared with recording	30ips@Full HD per channel, shared with recording
Client Viewer	IDIS Center, IDIS Mobile, IDIS Solution Suite, IDIS Web (web.idisglobal.com only)	IDIS Center, IDIS Mobile, IDIS Solution Suite, IDIS Web (web.idisglobal.com only)
INTERFACE		
Audio In / Out	-	-
Alarm In / Out	-	-
Alarm Reset In	-	-
Serial Interface	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 223.4mm (8.07" x 1.75" x 8.80")	205mm x 44.5mm x 223.4mm (8.07" x 1.75" x 8.80")
Unit Weight	1.12kg (2.47lb) (with 1 HDD)	1.24kg (2.73) (with 1 HDD)
Operating Humidity	0% ~ 90%	0% ~ 90%
Power Input	(a) US/JP 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/JP 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=, 0.88A, 10.6W	12V=, 0.88A, 10.6W
Approvals	FCC, CE, KC	FCC, CE, KC

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



TR-2000 SERIES

	TR-2204	TR-2504
Model Name		 NDAA Compliant
VIDEO		
Video Inputs	4 BNC (Multistandard Analog)	4 BNC (Multistandard Analog)
Supported Camera Types	720P25, 720P30, 1080P25, 1080P30, CVBS (NTSC / PAL)	5MP20, 5MP12, 4MP30, 4MP25, 4MP15, 3MP18, 1080P30, 1080P25, 720P30, 720P25, CVBS (NTSC/PAL)
Video Outputs	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Display Resolution	HDMI / VGA: 1920 x 1080, 1440 x 900, 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 120ips
RECORDING		
Recording Resolution	1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240, 480 x 240, 360 x 240	5MP, 4MP, 3MP, 1920x1080, 1280x720, 960x576, 960x480, 720x576, 720x480, 960x288, 960x240, 640x360, 720x288, 720x240, 480x288, 480x240, 360x288, 360x240
Frame Rate	120ips @ 1080P	120ips@1080P, 72ips@3MP, 60ips@4MP, 40ips@5MP
Recording Mode	Time-Lapse, Event, Pre-Event, Panic	Time-Lapse, Event, Pre-Event, Panic
Trigger Events	Alarm In, Motion Detection, Video Loss, Text-in	Alarm In, Motion Detection, Video loss, Text-in
PLAYBACK		
Performance	2ch 1080P Synchronous Playback	4ch 1080p Synchronous Playback
Search Mode	Time-lapse, Event log, Motion, Text-in	Time-lapse, Event log, Text-in
Digital Zoom	x2 - x12	x2 - x7
STORAGE		
HDD	SATA x2	SATA x2
Data Export Device	USB HDD, USB Stick	USB HDD, USB Stick
NETWORK		
Client Connection	Fast Ethernet x 1	Fast Ethernet x1
Transmission Speed	30ips @ Full HD per Channel, Shared with Recording	30ips@Full HD per Channel, Same as Recording Stream
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
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), USB 2.0 x 2	RS232 / RS485 (Terminal Block), USB 2.0 x 2 (Front x 2)
GENERAL		
Operating System	Embedded Linux	Embedded Linux
Dimensions (W x H x D)	300mm x 62mm x 231 mm (11.8" x 2.4" x 9.1")	300 mm x 67 mm x 242.1 mm (11.8" x 2.6 x 9.5")
Unit Weight	2.3kg (5.1lb) (with 1 HDD)	3.0 kg (with 2 2TB HDD)
Operating Humidity	0% - 90%	0% - 90%
Power Input	Adaptor Input: 100-240V AC, 50/60Hz, 1.5A, Output: 12V DC, 5A	Adaptor : Input : 100-240 V AC, 50 / 60 Hz, 1.5 A, Output : 12V DC, 5A
Power Consumption	12V=, 1.3A, 15.6W	12V=, 1.7A, 20.4W
Approvals	FCC, CE, KC	FCC, CE, KC

DirectCX®

DirectCX 8channel
H.265 Recorder



TR-4000 SERIES

	TR-4308	TR-4508	TR-4516
Model Name		 <small>NEW Compliant from</small>	 <small>NDA Compliant</small>
VIDEO			
Video Inputs	8 BNC (Multistandard Analog)	8 BNC (Multistandard Analog)	16 BNC (Multistandard Analog)
Supported Camera Types	5MP, 4MP, 3MP, 1080P30, 1080P25, 720P30, 720P25, CVBS(NTSC / PAL) (Note. Each 5MP(20ips) or 4MP(25/30ips) Camera allocates 2 channel slots)	5MP20, 5MP12, 4MP30, 4MP15, 3MP30, 3MP18, 1080P30, 1080P25, 720P30, 720P25, CVBS(NTSC/PAL)	5MP20, 5MP12, 4MP30, 4MP15, 3MP30, 3MP18, 1080P30, 1080P25, 720P30, 720P25, CVBS(NTSC/PAL)
Video Outputs	1 HDMI, 1 VGA, 1 BNC (Spot)	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 Composite: 720 x 480(NTSC), 720 x 576(PAL)	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 240ips	Up to 240 ips	Up to 480 ips
RECORDING			
Recording Resolution	5MP, 4MP, 3MP, 1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240, 480 x 240, 360 x 240	5MP, 4MP, 3MP, 1920x1080, 1280x720, 960x480,720x480,960x240, 720x240 480x240, 360x240	5MP, 4MP, 3MP, 1920x1080, 1280x720, 960x480,720x480,960x240, 720x240 480x240, 360x240
Frame Rate	240ips@1080P	240ips@1080P	480 ips@1080P
Recording Mode	Time-Lapse, Event, Pre-Event, Panic	Time-Lapse, Event, Pre-Event, Panic	Time-Lapse, Event, Pre-Event, Panic
Trigger Events	Alarm In, Motion Detection, Video loss, Text-in	Alarm In, Motion Detection, Video loss, Text-in	Alarm In, Motion Detection, Video loss, Text-in
PLAYBACK			
Performance	4ch 1080P Synchronous Playback	8 ch 1080 p Synchronous Playback	16 ch 1080 p Synchronous Playback
Search Mode	Time-lapse, Event Log, Motion, Text-in	Time-lapse, Event log, Text-in	Time-lapse, Event log, Text-in
Digital Zoom	x2 ~ x12	x2 ~ x7	x 2 ~ x 7
STORAGE			
HDD	SATA x4, eSATA x1	SATA x 4, eSATA x 1 (RAID 1 Supported) (RAID 1 Supported on (R) Models only)	SATA x4, eSATA x1
Data Export Device	USB HDD, USB Stick	USB HDD, USB Stick	USB HDD, USB Stick
NETWORK			
Client Connection	Gigabit Ethernet x 1	Gigabit Ethernet x1	Gigabit Ethernet x1
Transmission Speed	120ips @ Full HD	30ips@Full HD per channel, same as recording stream	30 ips@Full HD per channel, same as recording stream
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
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	8 In / 4 Relay Out	8 In / 4 Relay Out	16 In / 4 Relay Out
Alarm Reset In	1	1	1
Serial Interface	RS232, RS485 (Terminal Block), USB 2.0, USB 3.0	RS232, RS485 (Terminal Block), USB 2.0, USB 3.0	RS 232, RS 485 (Terminal Block), USB 2.0, USB 3.0
GENERAL			
Operating System	Embedded Linux	Embedded Linux	Embedded Linux
Dimensions (W x H x D)	430mm x 88mm x 413 mm (16.9" x 3.5" x 16.3")	430 mm x 88 mm x 413 mm (16.9" x 3.5" x 16.3")	430 mm x 88 mm x 413 mm (16.9" x 3.5" x 16.3")
Unit Weight	6.0kg (13.2lb) (with 1 HDD)	5.7kg (12.5 lbs)(with 2 HDD)	6.2kg (13.7 lbs)(with 2 x 4TB HDD)
Operating Humidity	0% ~ 90%	0% ~ 90%	0 % ~ 90 %
Power Input	AC 100-240 V, 50/60Hz, ≤ 2.0A	100-240V~, 50/60Hz, ≤ 2.0A	100-240 V~, 50 / 60 Hz, ≤ 2.0 A
Power Consumption	100-240V~, 50/60Hz, 1.2-0.6A, 76W	100-240 V~, 50 / 60 Hz, 1.0-0.5 A, 80 W	100-240V~, 50/60Hz, 0.77-0.31A, 75W
Approvals	FCC, CE, KC, CB, UL, PSE	FCC, CE, KC, CB, UL, PSE	FCC, CE, KC, CB, UL, PSE

HD-TVI CAMERAS

	TC-S1283WHX	TC-D5532WRX	TC-T5532WRX
Model Name		 NDA Compliant	 NDA Compliant
VIDEO			
Image Sensor	1/2.8" SONY STARVIS CMOS Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor
Max. Resolution	1920 x 1080	2592 x 1944	2592 x 1944
Scanning Mode	Progressive Scan	Progressive Scan	Progressive Scan
Lens Type	AF Zoom lens	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 4.3mm - 129mm	f = 3.0mm - 13.5mm	f = 3.0 mm - 13.5 mm
Iris Control	DC Auto Iris	DC IRIS	DC IRIS
Angular Field of View	65.1° - 2.23° (H)	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)
Pan / Tilt Range	Pan : 360° Endless Tilt : -10° - 190° Preset: 240ea	Pan: -175° ~ 175°, Tilt: 0° ~ 67° Rotate: -177° ~ 177°	-
Min. Illumination	Color: 0.35 Lux BW: 0.013 Lux @ 50IRE	Color: 0.13 Lux @ F1.4 B/W: 0 Lux (IR LED On)	Color: 0.13 Lux @ F1.4 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)	-	30m / 98.4 ft(4ea)	30 m / 98.4 ft (4ea)
Image Stabilizer	Yes (DIS)	-	-
Video Out	1 HD BNC, 1 SD BNC	1 HD BNC (Signal Switchable)	1 HD BNC, 1 SD BNC
FUNCTION			
Sens-Up	Off / x2 ~ x8	Off / x2 ~ x32	Off / x2 ~ x32
Wide Dynamic Range (WDR)	True WDR (Off / On, Night Off (Low, Middle, High))	Off / On (Low, Middle, High) ROI Mode Available	Off / On (Low, Middle, High)
Backlight Compensation (BLC)	Off / On	Off / On	Off / On
HLC	HLC On / Off Level 0-20, Color: Black, White, Yellow, Cyan, Green, Magenta, Red, Blue	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	2D+3DNR (Off / Low / Middle / High)	Off / Low / Middle / High	Off / Low / Middle / High
De-Fog	Off / On	Off / On	Off / On
ENVIRONMENTAL			
Outdoor Ready	IP66	IP67, IK10	IP67, IK10
Operating Temperature	-30°C ~ +55°C (-22°F ~ +131°F) (Humidity: 0% - 95%)	-10°C ~ +55°C (+14°F ~ +131°F) (Humidity: 0% - 90%)	-10°C ~ +55°C (14°F ~ +131°F) (Humidity : 0% - 90%)
GENERAL			
Dimensions (W x H x D)	Ø234mm x 301mm (Ø9.2" x 11.8")	Ø155mm x 105mm (6.1" x 4.13")	80 mm x 75 mm x 237 mm (3.15" x 2.95" x 9.33")
Weight	3.3kg (7.28lb)	0.815kg (1.8lb)	0.87 kg (1.92 lb)
Power Source	12VDC / 24VAC (Heater & Fan 24VAC)	DC 12V, AC 24V	DC 12 V, AC 24 V
Power Consumption	12.0W (Heater & Fan 50.0W)	DC 12V/8W, AC 24V/ 8.3W	DC12 V / 8 W, AC 24 V / 8.3 W



SECURITY MONITORS

Bringing You the Ultimate Surveillance Experience

The IDIS DirectView VW-F552 video wall monitor has been specially designed for use in control rooms with an array of surveillance-oriented features which addresses the needs of security environments. VW-F552 advances video wall technology with the world's narrowest 3.5mm ultra-narrow bezel, which provides a seamless viewing experience with unrivalled image quality. Featuring a 55-inch Full HD S-IPS LCD panel with LED backlight, the VW-F552 also provides exceptional reliability for 24/7 use in a control room with a range of unique innovations that significantly reduces total cost of ownership with lower power consumption, maintenance cost, and a longer lifetime.





SECURITY MONITORS


	VW-F552	SM-F322	SM-F212
Model Name			
PANEL			
Type	LED	LED	LED
Screen Size	55 Inch	32 Inch	21.5 Inch
Active Display Area	1,209.6 mm(H) x 680.4 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	500 cd / m ²	250 cd / m ²	220 cd / m ²
Contrast Ratio	1400 : 1	1200 : 1	1000 : 1
Viewing Angle (H/V)	178° / 178°	178° / 178°	170° / 160°
Frequency (H/V)	31~67 Khz / 49~60 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	-
HDMI In	2 (HDMI 2.0 x 1, 1.4 x 1)	1	1
Display Port	1(1.2 Ver.)	-	-
VGA Input	1	1	1
DVI In/Out	1 / 1*	-	-
Audio In/Out	-	1 / 1	1 / 0
BNC Video In/Out	-	1 / 1	1 / 1
RS232 In/Out	1 / 1 (RJ45)	-	-
USB	1	-	-
GENERAL			
Outline Dimension(WxHxD)	1,213.4 mm x 684.2 mm x 121.85 mm (47.77" x 26.94" x 4.79")	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)	3.5 mm (Bezel to Bezel)	-	-
Net Weight/Gross Weight	27.5 Kg (60.62 lb) / 35Kg (77.16 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/Color	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	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	200 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	0°~40°C (32°F~104°F)	-10°~50°C (14°F~122°F)	0°~40°C(32°F~104°F)
Storage Temperature	-10°~60°C (14°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(3W x 2)
Remote Control	Yes	Yes	Yes
VESA Mount Size	600 mm x 400 mm / M6 x 12 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

NETWORK ACCESSORIES






Network Keyboard	
NK-1200	
Model Name	
Key Features	<ul style="list-style-type: none"> · 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	<ul style="list-style-type: none"> · 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 	<ul style="list-style-type: none"> · 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				
Supported 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, 0.6-0.3A, 50 / 60 Hz				
Power Consumption	100-240V~, 50/60Hz, 0.6-0.3A, 40W				
Approvals	FCC, CE				

NETWORK ACCESSORIES

	Long Range PoE Extender	Ethernet Over Coax Device	Single Port PoE Injector	Single Port High-PoE Injector	Single Port PoE Repeater
	DA-LP1101R / DA-LP1101T	DA-EC3101R / DA-EC3101T	DA-PI2101	PoE400	DA-PR1101
Model Name					
Key Features	<ul style="list-style-type: none"> · Up to 500m PoE transmission between devices using UTP cabling · Up to 700m DATA transmission between equipments using UTP cabling · Plug-and-play without any required PC setting · Supports 1Gbps / IEEE802.3af for PoE Injector · Supports 1Gbps / IEEE802.3af / 100m for PoE Repeater 	<ul style="list-style-type: none"> · Makes it possible to install Full HD network cameras using existing coaxial cables · Supports PoE (IEEE 802.3af, IEEE802.3at) · Supports plug-and-play without setting up special IP addresses · Supports data transfer up to 500m 	<ul style="list-style-type: none"> · 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 · Automatic detection and protection of non-standard ethernet terminals · Parallel slide-in design for easy installation 	<ul style="list-style-type: none"> · 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 · Automatic detection and protection of non-standard ethernet terminals · Support 10/100/1000 Base-T Lan environment · Compatible with DC-S6286HRXL (-A), DC-S6881HRX(-A), DC-S6681HRX(-A) 	<ul style="list-style-type: none"> · Compatible with IEEE 802.3af · Supports data transfer up to 130m distance · A maximum distance of 230m can be achieved between the NVR and Camera via a DA-PR1101 · Supports PoE switch off function via PoE On / Off switch · Supports plug-and-play without setting up special IP addresses

	DirectIP Gigabit PoE Switch				
	DH-2328PF DH-2328PF-A	DH-2026PF	DH-2212PF	DH-2018P	DH-2010P
Model Name					
Key Features	<ul style="list-style-type: none"> · Individual port data transmission to DirectIP NVR · PoE (IEEE 802.3af, IEEE 802.3at) compliant · DH-2328PF: Maximum per-device PoE delivery of 380W available for 1 to 24 RJ45 ports · DH-2328PF-A: 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 	<ul style="list-style-type: none"> · 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 	<ul style="list-style-type: none"> · 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 	<ul style="list-style-type: none"> · 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 	<ul style="list-style-type: none"> · 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	Encoder
	DE-1104, DE-1108
	
Video Compression	H.264 (MP), M-JPEG
Video Input	4 BNC Composite (DE-1104) 8 BNC Composite (DE-1108)
Max. Video Resolution	D1: 720 x 480 / 720 x 576 (NTSC / PAL) 960H: 960 x 480 / 960 x 576(NTSC / PAL)
Frame Rate	30ips @ 960H per Channel
Multi Streaming Video	Quadruple Stream
Max. Network Throughput	48Mbps (DE-1104), 64Mbps (DE-1108)
Audio In / Out	4 RCA / -
PTZ Support	Yes (RS485)
Trigger Events	Motion Detection Video Loss Tampering
PoE (Class)	Yes (IEEE 802.3af Class 3)
Power Source	12VDC, PoE
Power Consumption	12V =, 1.0A, 12W PoE, IEEE 802.3af (Class 3)
Approvals	FCC, CE

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, NO, COMMON
Power Output	12 VDC (300mA), 5 VDC (400mA)
Ethernet	10 / 100 Mbps
DirectIP Supported	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	DP-HE1201
Video codec	H.265, H.264, MJPEG, Intelligent Codec
Max. Framerate	1920 x 1080 @ 30ips
Bitrate	Up to 12MP
Max Resolution	1920 x 1080
Streaming	Quadruple Streaming
Max.Network Throughput	30Mbps
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 (3.5mm) / 1 x line out (3.5mm)
Network Interface	1 x RJ45 (10/100)
IP Camera Protocol	DirectIP 2.0, ONVIF
Power source	12VDC, PoE (IEEE 802.3af Class 2)
Power Consumption	12V=, 0.46A, 5.52W PoE, IEEE 802.3af(Class 2)
Approvals	FCC, CE, KC

Model Name	Decoder	Decoder
	DD-1216	DD-1316
		
Video Compression	H.264, H.265	H.264, H.265
Video Input	16ch IP	16ch IP
Video Input Resolution	Up to 12MP	up to 12MP
Supported Devices	DirectIP NVR, IDIS IP Camera	DirectIP NVR, IDIS IP Camera
Video Outputs	1 HDMI, 1 VGA, 1 CVBS	1 HDMI, 1 VGA, 1 CVBS
Display Resolution	HDMI : 3840 x 2160, 2560 x 1440, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200 VGA: 2560 x 1440, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200 CVBS : 720 x 480 (NTSC), 720 x 576 (PAL)	HDMI : 3840x2160, 2560x1440, 1920x1200, 1920x1080, 1680x1050, 1600x1200 VGA: 2560x1440, 1920x1200, 1920x1080, 1680x1050, 1600x1200 CVBS : 720x480(NTSC), 720x576(PAL)
Display Speed	Up to 480 ips	Up to 480ips
Max. Network Throughput	90 Mbps	90Mbps
Network Connection	Gigabit Ethernet x 1	Gigabit Ethernet x1
PoE (Class)	Yes (IEEE 802.3af Class 3)	Yes(IEEE 802.3af Class 3)
Power Source	12VDC, PoE	12VDC, PoE
Power Consumption	12 V =, 1.03 A, 12.7 W PoE, IEEE 802.3af (Class 3)	v12V=, 1.4A, 16.8W PoE, IEEE 802.3at(Class 4)
Approvals	FCC, CE, KC	FCC, CE, KC

SOFTWARE SOLUTIONS

Enterprise-Class and Multi-Site VMS



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 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 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.



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 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. IDIS Web 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.

Video Wall

The IDIS Solution Suite Video Wall service allows operators to manage and control any camera from DirectIP NVRs, DirectCX TVRs 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 Video Wall 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 Video Wall 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.

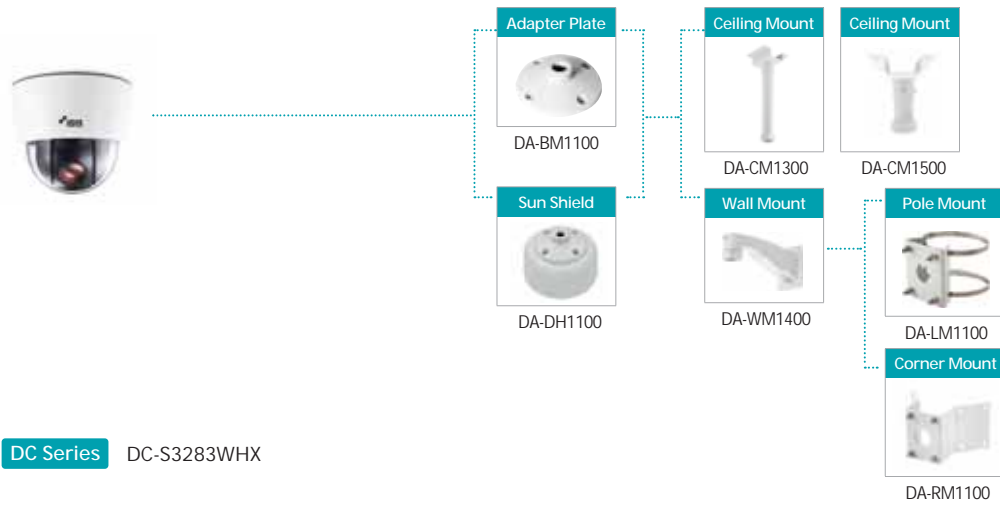
CAMERA CONFIGURATION TREE

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

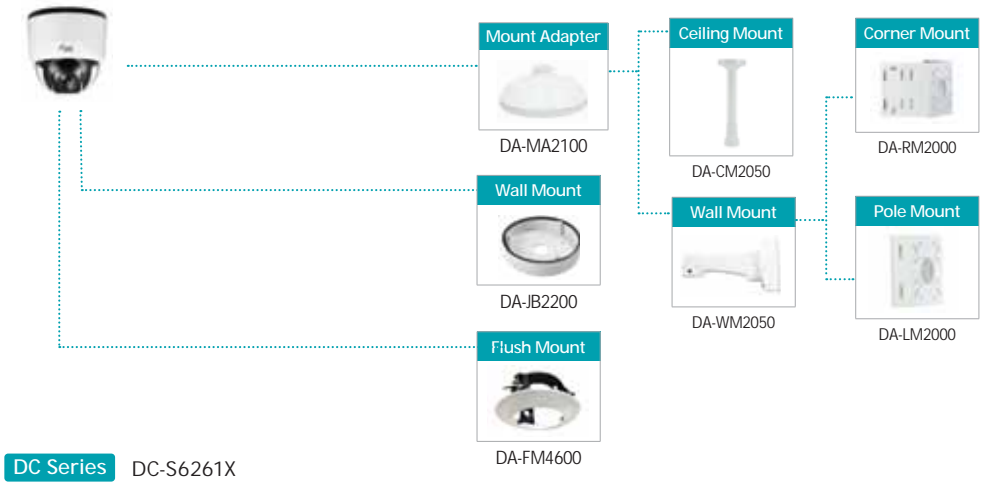




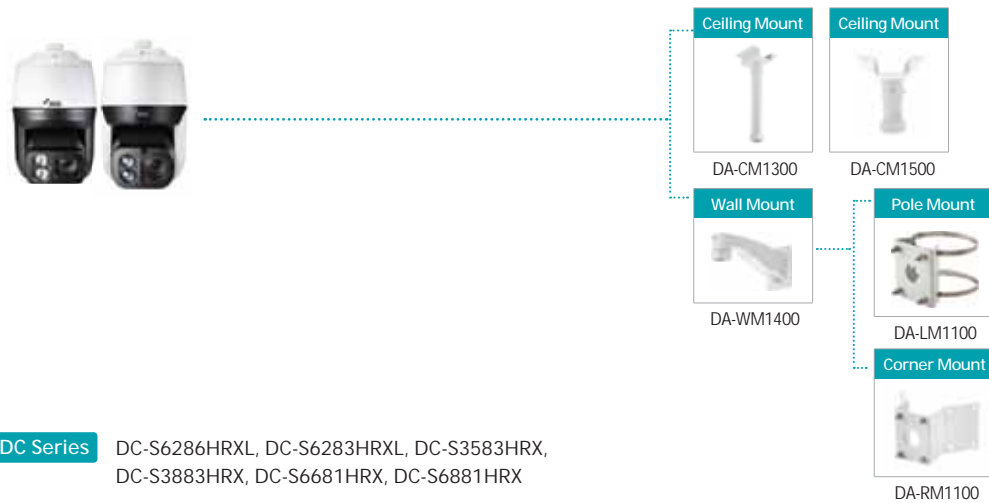
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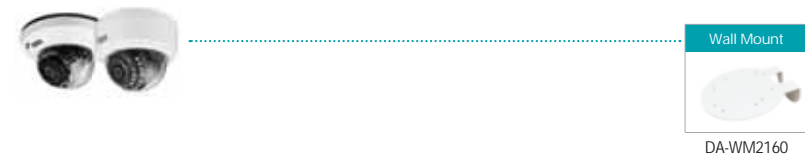
SPEED DOME (3)



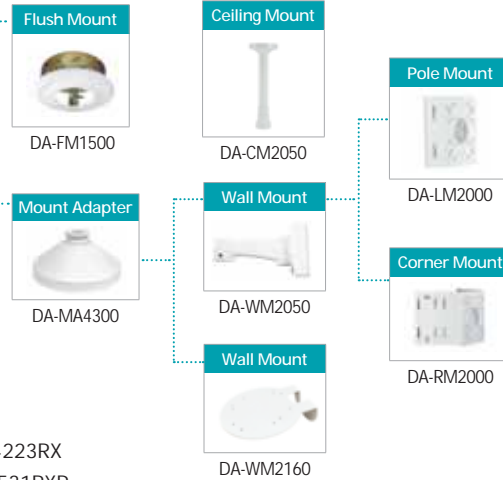
SPEED DOME (2)



DOME (1)



DOME (2)



DC Series DC-D4536RX, DC-D4233RX, DC-D4223RX

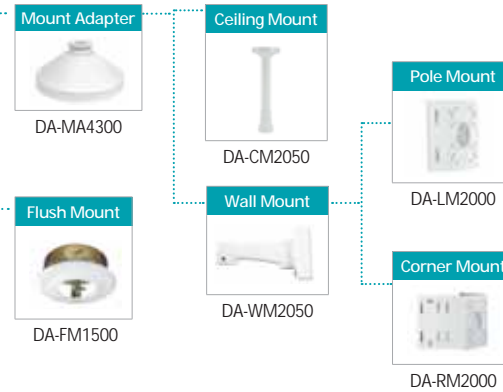
TC Series TC-D5532RX, TC-D5531RX, TC-D5531RXP

DOME (3)



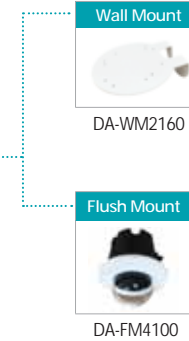
TC Series TC-D4222RX, TC-D4221RXP

DOME (2-1)



DC Series DC-D4236RX, DC-D4236X

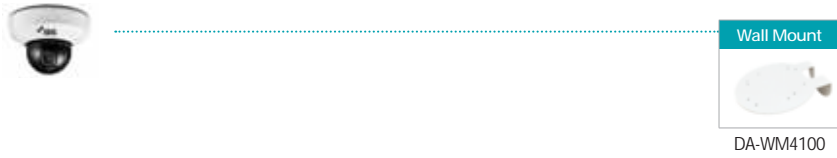
DOME (4)



DC Series DC-D4216RX, DC-D4216X, DC-D4213RX

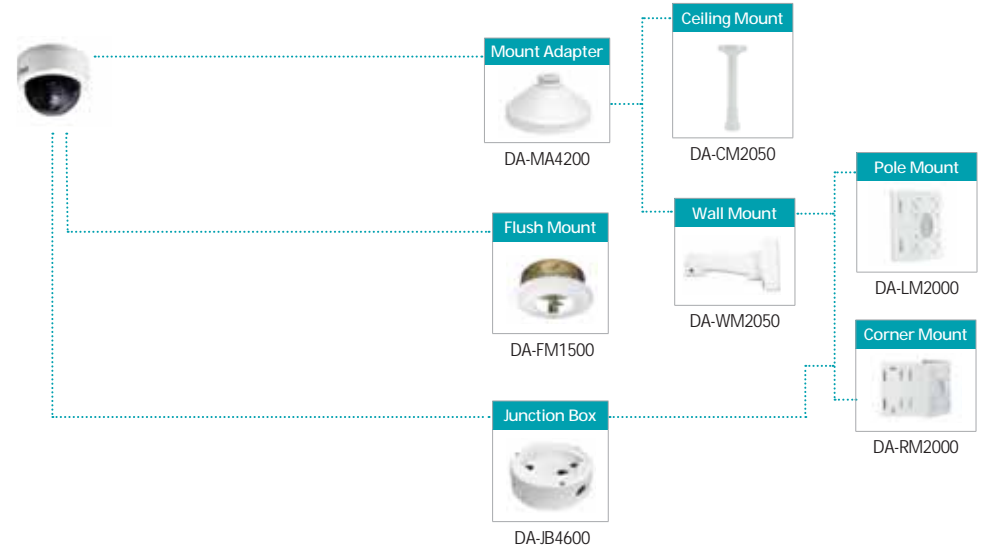
TC Series TC-D5511RX

DOME (5)



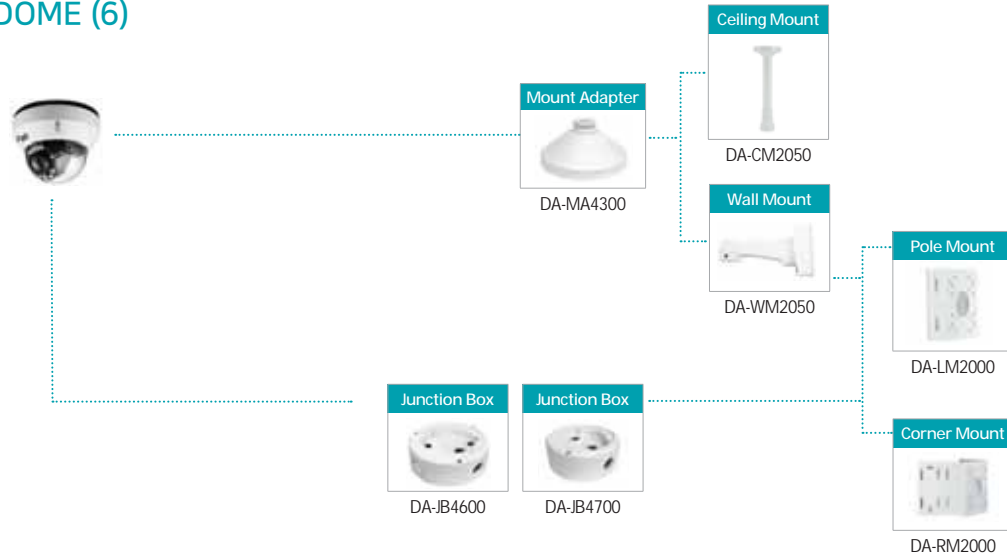
DC Series DC-D4211CRX

DOME (7)



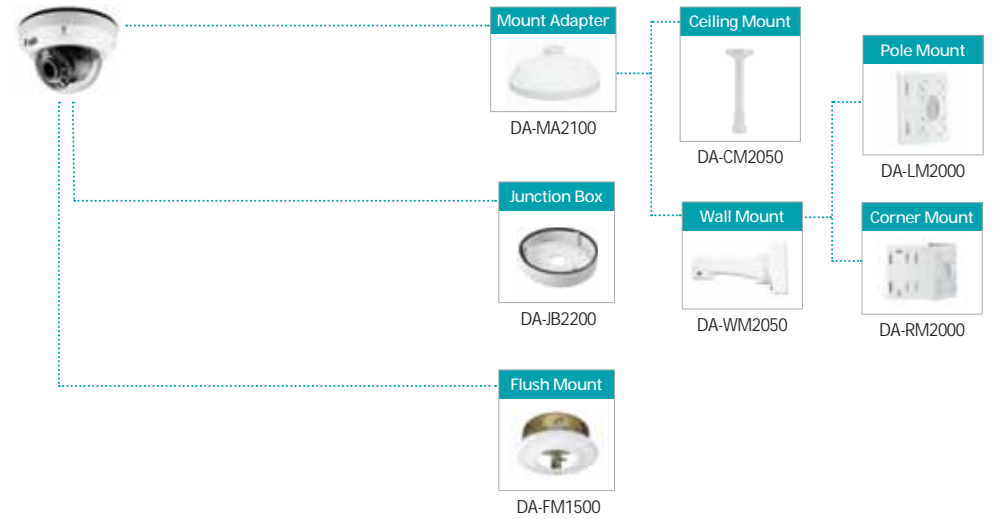
TC Series TC-D4222WRX, TC-D4221WRXP

DOME (6)



DC Series DC-D4811WRX, DC-D4516WRX, DC-D4216WRX, DC-D4213WRX

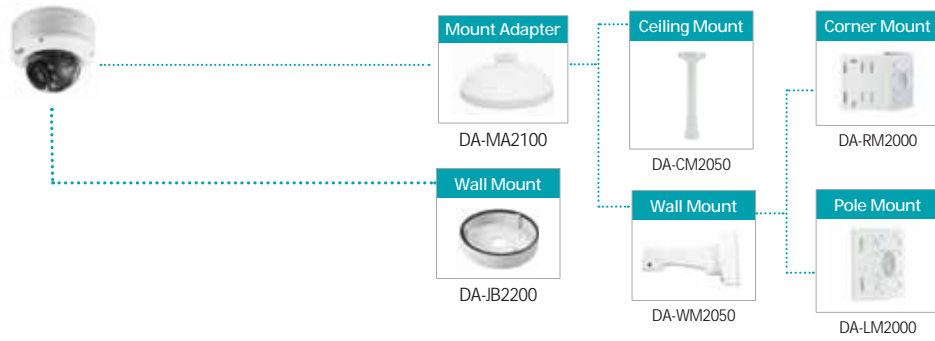
DOME (8)



DC Series DC-D4831HRX, DC-D4536HRX, DC-D4236HRX, DC-D4236WRX

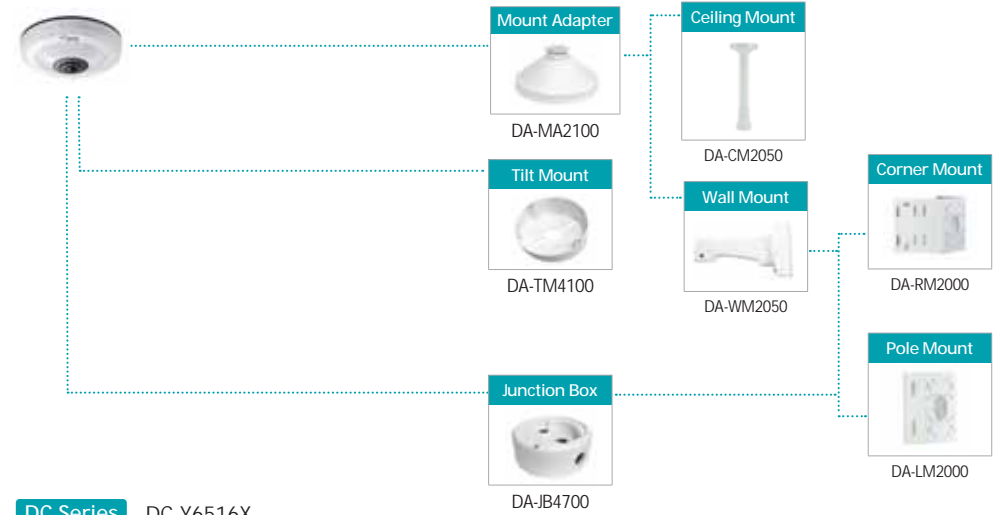
TC Series TC-D5532WRX, TC-D5531WRX, TC-D5531WRXP

DOME (8-1)



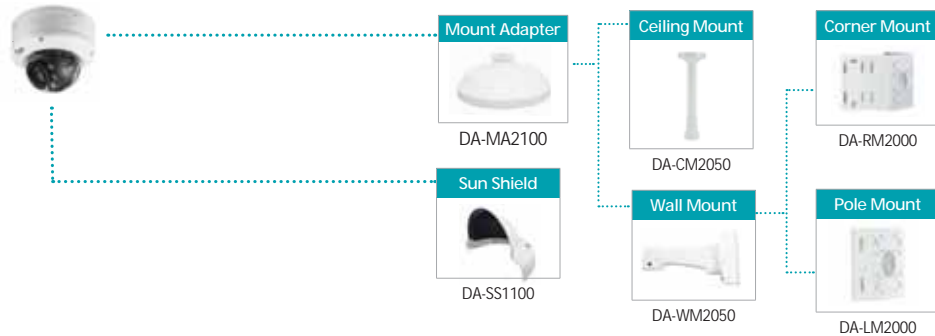
DC Series DC-D3533RX

FISHEYE (2)



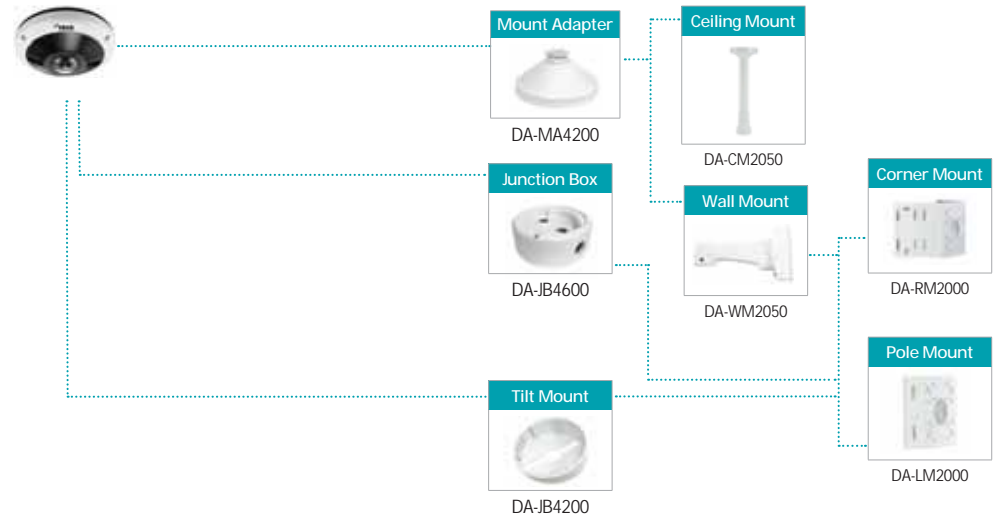
DC Series DC-Y6516X

DOME (10)



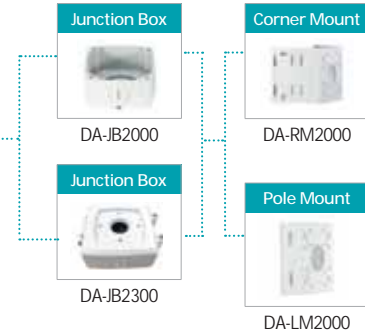
DC Series DC-D3C33HRX, DC-D3533HRX, DC-D3233HRXL / DC-D6233HRXL,
DC-D3243HRX-N / DC-D6243HRX, DC-D3233HRX-N / DC-D6233HRX

FISHEYE (3)



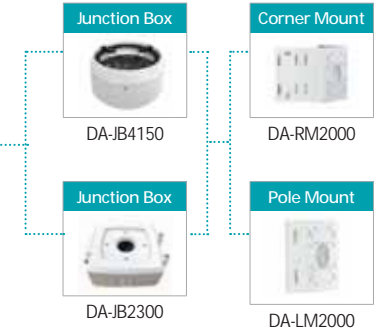
DC Series DC-Y6C16WRX, DC-Y6516WRX

BULLET (1)



DC Series DC-T3533HRX, DC-T3233HRXL / DC-T6233HRXL,
DC-T3233HRX / DC-T6233HRX, DC-T3243HRX / DC-T6243HRX

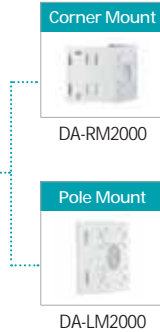
BULLET (3)



DC Series DC-T4831HRX, DC-T4536HRX, DC-T4236HRX, DC-T4233HRX, DC-T4236WRX,
DC-T4233WRX, DC-T4811WRX, DC-T4516WRX, DC-E4216WRX, DC-E4213WRX

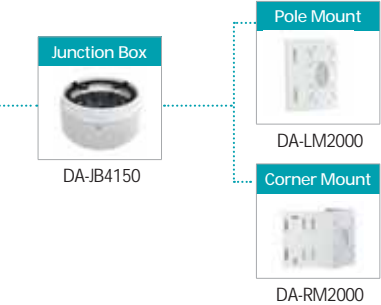
TC Series TC-T5532WRX, TC-T5531WRX, TC-T5531WRXP

BULLET (2)



DC Series DC-T3C33HRX

BULLET (4)



TC Series TC-T4222WRX, TC-T4221WRXP, TC-E4211WRX

BULLET (5)



DA-WM3100

DC Series DC-T6222HRL

BOX / ZOOM



DA-BH1100



DA-WM1500

DC Series DC-B1803, DC-B3303X, DC-B6203XL, DC-B4501X

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

BULLET (6)



DA-JB2400



DA-RM2000



DA-LM2000

DC Series DC-T4217WRX

TECHNOLOGY LINE UP 2023



Increase security and efficiency
with highly accurate IDIS Deep Learning Analytics



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