



2021 PRODUCT LINEUP BROCHURE

The largest developer and manufacturer of surveillance technology in South Korea

- Network Recorders & Network Cameras
- HD Analog Recorders & HD Analog Cameras
- Software Solutions
- Network Accessories



IDIS AI Box for Covid-19 Solutions- DV-2232



One Solution. One Company.

It's Not the Same. It's IDIS.

The Largest Developer and Manufacturer of Surveillance Technology in South Korea



TOTAL SURVILLANCE SOLUTION PROVIDER

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

ABOUT IDIS

IDIS is a global security company that designs, develops, and manufactures surveillance solutions for a wide range of commercial and public sector markets.

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

The IDIS total surveillance solution meets the needs of an increasingly demanding security landscape. IDIS provides the benefit of an end-to-end, highest-quality total surveillance solution and delivers innovation that is user-friendly, flexible, and scalable, able to meet every surveillance need—all with unrivalled performance, quality, and low total cost of ownership.



THE IDIS STRENGTHS



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 that seamlessly integrate from just one vendor. This simplifies the buying chain and provides local sales and technical support from a single vendor. Whether a large corporate enterprise, a retail chain, or single site, IDIS has a surveillance solution that meets the needs of an extensive range of businesses. With a broad lineup of one to eight megapixel IP cameras, four to 64 channel 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.



Innovation and R&D

IDIS has been a pioneer in digital video recording since 1997 and was established due to a passion for technology and an unyielding pursuit of innovation. With 10% of turnover reinvested in research and development (R&D) annually, IDIS is constantly developing new technologies and bringing new innovations to market, all which help our customers strengthen the safety and security of their people, facilities, and assets. At the same time, we have a commitment to delivering the world's ultimate surveillance experience through technology that is high-performance and reliable, yet simple to install and operate to ensure our customers are more efficient and more productive.



Low Total Cost of Ownership

Through our commitment to high quality, low power consumption, and reliable products that are simple to install, use, and maintain, we reduce the burden of implementation and training time while ensuring lower maintenance and energy costs, an extended product lifecycle, and a low total cost of ownership. Our flagship offering, DirectIP, comes with cost-free video management software (VMS) and apps—meaning absolutely zero licensing costs. IDIS Solution Suite, our enterprise-level VMS, is both scalable and modular, allowing our customers to only pay once for what they need without any ongoing service or maintenance fees.



Partnering for Success

Many of the relationships we have with our customers and partners have been in place for two decades, demonstrating our commitment to fostering long lasting and successful partnerships. We only succeed if our customers and partners succeed and we see them as full members of our team. In their own way, each is at the heart of both our business strategy and success. The IDIS “one team” philosophy encompasses our network’s many cultures, communities, and views and proves that we work best when we work together. Through the sharing of values and ideas, we are enriched by those around us. In turn, we empower each other to grow and succeed.



Reliability

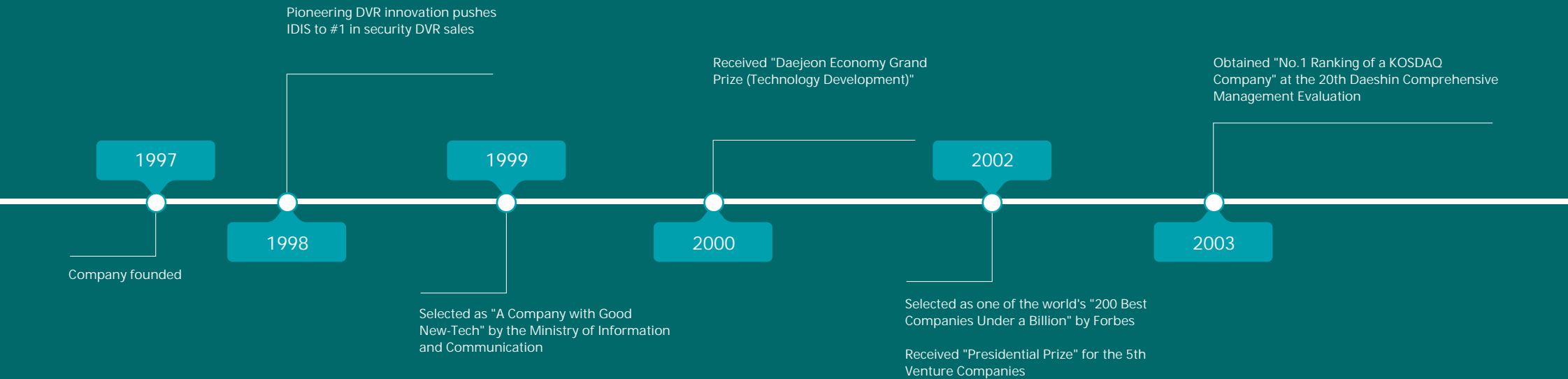
Reliability goes beyond the high quality products and solutions we proudly deliver each day. For IDIS, reliability means doing what we say we will do, when we say we will do it. From strictly adhering to global and local regulations to our certifications such as ISO14001, ISO900, ROHS, and Six Sigma, from our regular delivery of world-class technology to support at the local level, IDIS delivers reliable products and services that more than meet our customers’ expectations—they exceed them.

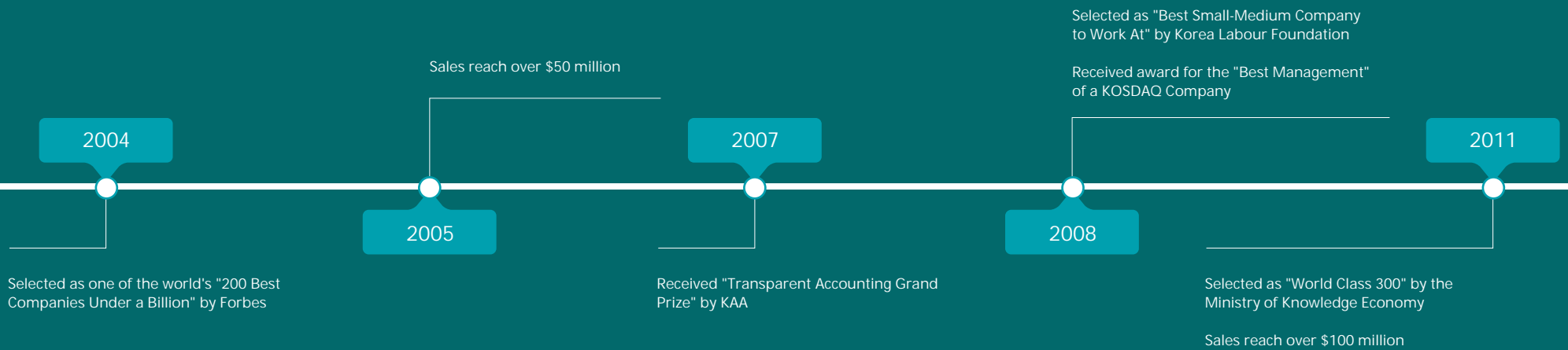


Integrity

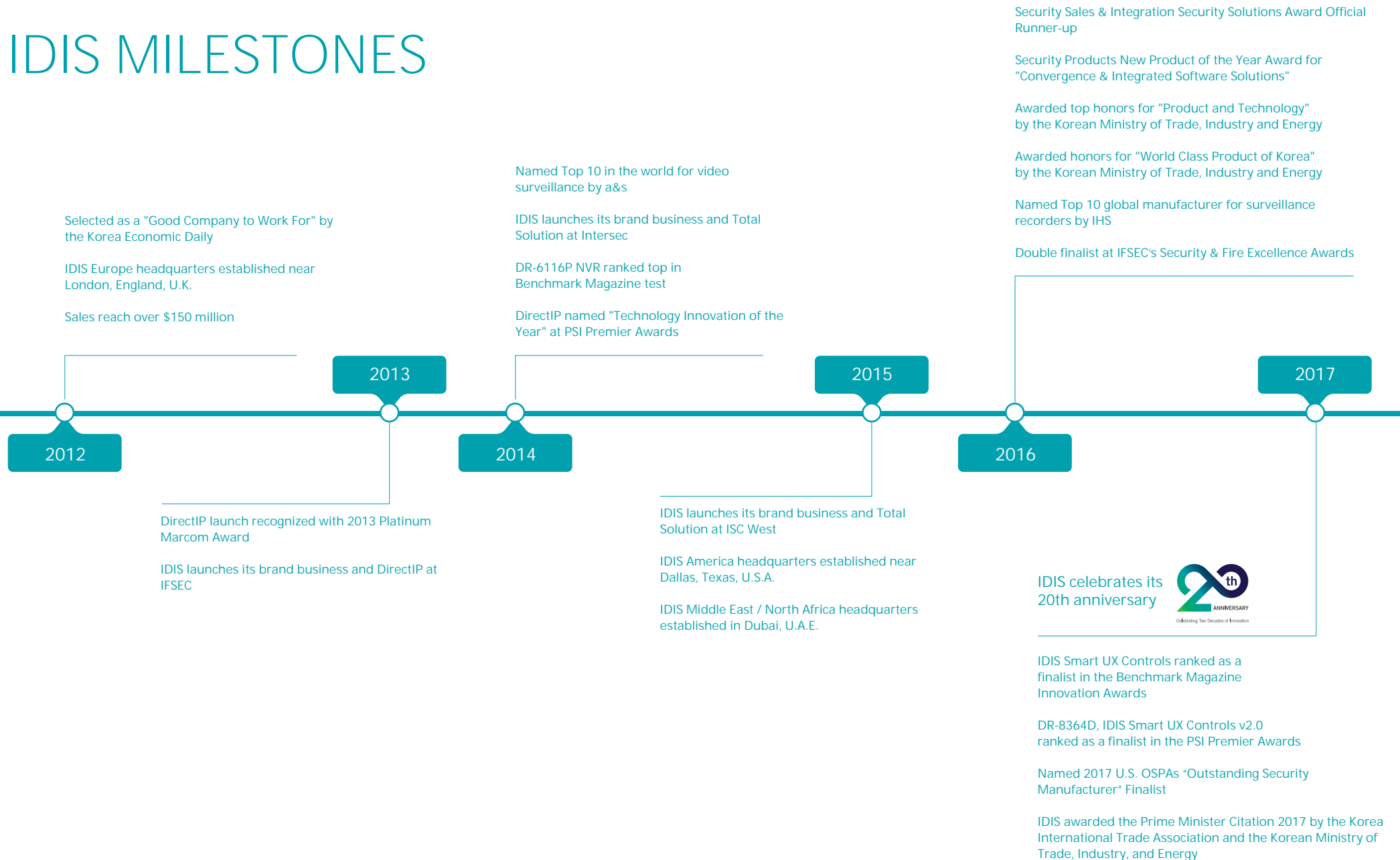
Our integrity means you can trust us and the technology we provide. We ensure we comply with the legal and regulatory requirements at both global and local levels and seek to be transparent at all times in the way we do business. We believe in open and candid communications with our customers and partners that build trust and ensure success. Our products are manufactured in house with consistency of quality and materials, so they can be trusted to deliver as promised. We continually innovate new technologies to ensure and preserve the integrity of the surveillance they provide.

IDIS MILESTONES





IDIS MILESTONES



IDIS received Presidential Citation at the National Productivity Competition held by the Ministry of Trade, Industry and Energy

IDIS Solution Suite named a winner in SSI Security Solutions Awards

IDIS Critical Failover and 12MP Fisheye Camera shortlisted for the finals of Security & Fire Excellence Awards

IDIS "Two Decades of Innovation" strategic program received an AMCP Platinum Hermes Creative Award

HE-1101 nominated for the finalists of Benchmark Innovation Awards and PSI Awards

H.265 IR PTZ DC-S3883HRX scooped prizes in both iF and Red Dot Design Awards

IDIS Named US OSPA's "Outstanding Security Manufacturer" Finalist

IDIS launches its AI Box for COVID providing deep learning powered functionality to help prevent the spread of coronavirus and maintain COVID-secure workplaces

IDIS and Hall & Kay become finalists in The Security & Fire Excellence Awards 2020 for Security Project of the Year for an upgrade to IDIS surveillance that is improving the safety and security of a London neighborhood

Tracey Edwards from Southern Heath NHS Foundation Trust shortlisted for Security Manager of the Year at The Security & Fire Excellence Awards 2020 following a patient and staff safety and security transformation program that includes deploying IDIS surveillance across multiple facilities.

IDIS announces a partnership agreement with leading UK security value-add distributor Norbain

IDIS end-to-end video tech for logistics honored as the winner in the application category in the 2020 Security Today in New Product of the Year Award

2019

2020 & 2021

2018

2020

IDIS Awarded the Top Prize at the Security Award Korea 2019 for Video Analytics

Nominated for Security Project of the Year at Security & Fire Excellence Awards 2019 for an NHS healthcare project

Opened a new European Distribution Center in the Netherlands to provide pan-European next day delivery and after-sales service

IDIS surveillance upgrade for Saudi Arabia's National Commercial Bank shortlisted for the Security Project of the Year at the Intersec Awards 2019

5MP Super Fisheye Compact and IDIS Dynamic Privacy Masking reached the PSI Premier Award Finals

IDIS launched its AI in the Box Deep Learning Analytics

The IDIS Super Fisheye 5MP Compact nominated as a finalist in the Benchmark Magazine Innovation Awards

12MP Super Fisheye & NHS mental healthcare project achieved double success in the Safety & Health Excellence Awards 2019

IDIS debuted its "Create a Better World" Campaign

IDIS Instant Meta Filtering (IMF) shortlisted for a top German GIT Security Award

IDIS launches MapVue an easy-to-use navigation to playback video using building layouts and floor plans

IDIS recognized as the winner of the 2020 Secure Campus Awards for its 12MP Panomorph IR Fisheye Camera (DC-Y8C13WRX)

IDIS and Galeco Communications shortlisted for Safety & Health Excellence Awards 2020 for an upgrade to IDIS network surveillance at a secure NHS mental healthcare hospital

IDIS launches Instant Meta Filtering (IMF) to speed up investigations from hours to minutes

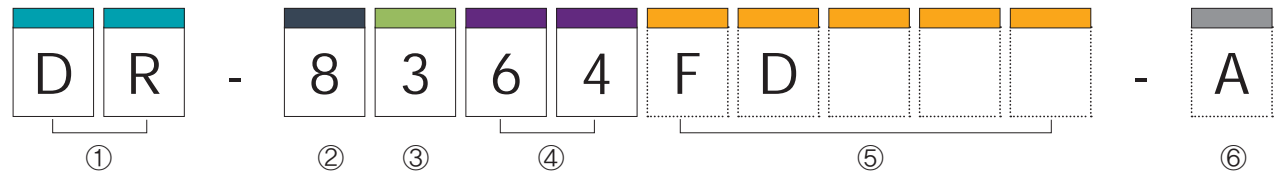
IDIS ranked as a top equipment manufacturer in the 2020 Outstanding Security Performance Awards (OSPA)

IDIS ranked as best security manufacturer in the 2021 Outstanding Security Performance Awards (OSPA)

IDIS recognized as the winner of the 2021 Secure Campus Awards for its the IDIS AI Box (DV-2232)

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

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 : 1MP 미만
1~9 : 1MP ~9MP
A~F : 10MP ~ 15MP
[IP-CAM > Thermal]
0 : CIF 미만
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

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

[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

⑧ Renewal Version

Frustrated with
your surveillance?

Direct IP[®]

IP WITHOUT THE PC

DirectIP's 'IP without the PC' concept permits 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 and affordable solution, delivering true plug-and-play simplicity to a range of cameras, monitors, and network video recorders (NVRs), with a full-featured, completely cost-free video management software (VMS). Remarkably simple to install and maintain, DirectIP goes beyond mere “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 guess work 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. The only thing users have to determine is 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 Requirements Mean Lowered Costs

The IDIS end-to-end system eliminates worry over future backwards compatibility, which is guaranteed by IDIS, while the IDIS Center VMS is completely free of charge, eschewing licensing or annual upgrade fees.



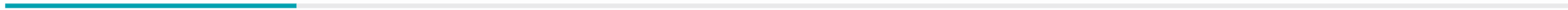
NETWORK VIDEO RECORDERS

Make Your Surveillance Future Proof









Flexible, scalable, forward and backward compatible technology

High performance and reliable solutions for every need

Simple legacy migration and off-the-shelf integration






DR-8000 SERIES







Model Name	DR-8364(F)		DR-8364(F)D	
	    		  	
VIDEO				
Video Inputs	64 IP Channels			
Max. Incoming Throughput	900Mbps			
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 1920ips			
RECORDING				
Max. Throughput	400Mbps, 1920ips@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	16ch Full HD Synchronous Playback 4ch 4K Playback			
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in			
STORAGE				
HDD	SATA x 8, eSATA x 4, RAID 1, 5, 10 Supported			
Total Capacity	240TB=10TB x (8(Internal) + 4 x 4 (External))			
NETWORK				
Client Connection	Gigabit Ethernet (Client) x 1			
Video In Connection	Gigabit Ethernet (Video In) x 3, SFP (Video In) x 2			
Transmission Speed	400Mbps / 500Mbps (BRP Mode)			
Camera Power	-			
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite			
INTERFACE				
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 64 / 64 (Depending on IP Camera)			
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 64 / 64 (Depending on IP Camera)			
Alarm Reset In	1			
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)			
USB	USB 2.0 x 2, USB 3.0 x 1			
GENERAL				
Operating System	Embedded Linux			
Dimensions (W x H x D)	482.6mm x 88mm x 523.3mm (19" x 3.5" x 20.6")			
Unit Weight	12.3kg (21.12lb) (with 2 HDDs)		10.9kg (24.03lb) (with 2 HDDs)	
Power Input	AC 100-240 V, 50/60Hz, 2.0 - 1.0A		AC 100-240 V, 50/60Hz, 2.0 - 1.0A(REDUNDANT SMPS)	
Power Consumption	100-240V~, 50/60Hz, 2.0-1.0A, 120W			
Approvals	FCC, UL, CE, CB, KC, PSE			

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




DR-8000 SERIES

	DR-8416	DR-8432	DR-8432D
Model Name	 4K UHD	 4K UHD	 4K UHD
VIDEO			
Video Inputs	16 IP Channels	32 IP Channels	32 IP Channels
Max. Incoming Throughput	320Mbps	370Mbps	370Mbps
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	Up to 960ips	Up to 960ips
RECORDING			
Max. Throughput	180Mbps, 480ips @ UHD	230Mbps, 960ips @ UHD	230Mbps, 960ips @ 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	16ch Full HD Synchronous Playback, 4ch 4K Playback		
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in		
STORAGE			
HDD	SATA x8, eSATA x4, RAID 1, 5, 6, 10 supported		
Total Capacity	144TB=10TB x 8(Internal) + 4TB x 4 x 4(External)		
NETWORK			
Client Connection	Gigabit Ethernet (Client) x 1		
Video In Connection	Gigabit Ethernet (Video In) x 3, SFP (Video In) x 2		
Transmission Speed	50Mbps / 100Mbps (BRP Mode)		
Camera Power	-		
Client Viewer	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 : 32 / 32 (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 : 32 / 32 (Depending on IP Camera)	Local (NVR) : 16 / 4 IP Camera : 32 / 32 (Depending on IP Camera)
Alarm Reset In	1		
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)		
USB	USB 2.0 x 2, USB 3.0 x 1		
GENERAL			
Operating System	Embedded Linux		
Dimensions (W x H x D)	482.6mm x 88mm x 523.3mm (19" x 3.5" x 20.6")		
Unit Weight	10.9kg (24.03lb) (with 2 HDDs)		
Power Input	AC 100-240 V, 50/60Hz, 6.0 - 3.0A	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		
Approvals	FCC, UL, CE, CB, KC, PSE		





DR-6000 SERIES

	DR-6332PS-SA	DR-6316PS-SA	DR-6308P-SA
Model Name	 	 	 
VIDEO			
Video Inputs	32 IP Channels	16 IP Channels	8 IP Channels
Max. Incoming Throughput	370Mbps	320Mbps	270Mbps
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 960ips	Up to 480ips	Up to 240ips
RECORDING			
Max. Throughput	230Mbps, 960ips @ UHD	180Mbps, 480ips @ UHD	140Mbps, 240ips @ 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	16ch Full HD Synchronous Playback 4ch 4K Playback	16ch Full HD Synchronous Playback 4ch 4K Playback	8ch Full HD Synchronous Playback 4ch 4K Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in		
STORAGE			
HDD	SATA x 6, eSATA x 4, RAID 1 Supported		
Total Capacity	124TB=10TB x 6(Internal) + 4TB x 4 x 4(External))		
NETWORK			
Client Connection	Gigabit Ethernet (Client) x 1		
Video In Connection	Gigabit Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1	Gigabit Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1	Gigabit Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)		
Camera Power	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 120W
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite		
INTERFACE			
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 32 / 32 (Depending on IP Camera)	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 16 / 16 (Depending on IP Camera)	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 8 / 8 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 32 / 32 (Depending on IP Camera)	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)	Local (NVR) : 4 / 1 IP Camera : 8 / 8 (Depending on IP Camera)
Alarm Reset In	1		
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)		
USB	USB 2.0 x 1, USB 3.0 x 1		
GENERAL			
Operating System	Embedded Linux		
Dimensions (W x H x D)	430mm x 88mm x 413.8mm (16.9" x 3.5" x 16.29")		
Unit Weight	6.0kg (13.2lb) (with 1 HDD)		
Power Input	AC 100-240V, 50/60Hz, 3.0 - 1.5A		
Power Consumption	100-240V-, 50/60Hz, 3.0-1.5A, 200W		
Approvals	FCC, UL, CE, CB, KC, PSE		

DR-6500 SERIES

	NEW DR-6532P	NEW DR-6516P	NEW DR-6508P
Model Name			
VIDEO			
Video Inputs	32 IP Channels	16 IP Channels	8 IP Channels
Max. Incoming Throughput	370Mbps	320Mbps	270Mbps
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF		
Video Outputs	2 HDMI		
Display Resolution	HDMI : 3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200		
Display Speed	Up to 960ips	Up to 480ips	Up to 240ips
RECORDING			
Max. Throughput	230Mbps, 960ips @ FHD	180Mbps, 480ips @ FHD	140Mbps, 240ips @ FHD
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	32ch Synchronous Playback	16ch Synchronous Playback	8ch Synchronous Playback
Search Mode	Time-lapse, Event Log, Text-in		
STORAGE			
HDD	SATA x 6, eSATA x 4, RAID 1 supported		
Total Capacity	124TB=10TB x 6 (Internal) + 4TB x 4 x 4 (External))		
NETWORK			
Client Connection	Gigabit Ethernet (Client) x 1		
Video In Connection	Gigabit Ethernet (IP Camera) x16 + Gigabit Ethernet(Ext) x1	Gigabit Ethernet (IP Camera) x16 +Gigabit Ethernet(Ext) x1	Gigabit Ethernet (IP Camera) x 8 + Gigabit Ethernet(Ext) x1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)		
Camera Power	PoE(IEEE 802.3at Class 4) Supported 16 Ports, 120W	PoE(IEEE 802.3at Class 4) Supported 16 Ports, 120W	PoE(IEEE 802.3at Class 4) Supported 8 Ports, 120W
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite		
INTERFACE			
Audio In / Out	Local (NVR) : 1 RCA / 1RCA + 2HDMI IP Camera : 32 / 32 (Depending on IP Camera)	Local (NVR) : 1 RCA / 1RCA + 2HDMI IP Camera : 16 / 16 (Depending on IP Camera)	Local (NVR) : 1 RCA / 1RCA + 2HDMI IP Camera : 8 / 8 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 32 / 32 (Depending on IP Camera)	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)	Local (NVR) : 4 / 1 IP Camera : 8 / 8 (Depending on IP Camera)
Alarm Reset In	1		
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)		
USB	USB 2.0 x 1, USB 3.0 x 1		
GENERAL			
Operating System	Embedded Linux		
Dimensions (W x H x D)	430mm x 88mm x 412.8mm (16.9" x 3.5" x 16.25")		
Unit Weight	6.75kg (14.88lb) (with 1HDD)		
Power Input	AC 100-240V, 50/60Hz, 3.0 - 1.5A		
Power Consumption	100-240V~, 50/60Hz, 3.0-1.5A, 250W		
Approvals	FCC, UL, CE, CB		




DR-2000 SERIES

	DR-2316P-A	DR-2308P-A	DR-2404P-A	DR-2304P-A
Model Name				
VIDEO				
Video Inputs	16 IP Channels	8 IP Channels	4 IP channels	4 IP Channels
Max. Incoming Throughput	320Mbps	270Mbps	160Mbps	160Mbps
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	Up to 240ips	Up to 120ips	Up to 120ips
RECORDING				
Max. Throughput	180Mbps, 480ips @ UHD	140Mbps, 240ips @ UHD	70Mbps, 120ips @ UHD	70Mbps, 120ips @ 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	16ch Full HD Synchronous Playback, 4ch 4K Playback	8ch Full HD Synchronous Playback, 4ch 4K Playback	4ch 4K, Playback	4ch 4K, Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in			
STORAGE				
HDD	SATA x2, eSATA x1	SATA x2, eSATA x1	SATA x2, eSATA x1, RAID 1 Supported	SATA x2, eSATA x1
Total Capacity	36TB=10TB x 2(Internal) + 4TB x 1x4(External)	36TB=10TB x 2(Internal) + 4TB x 1x4(External)	32TB=8TB x 2(Internal) + 4TB x 1x4(External)	36TB=10TB x 2(Internal) + 4TB x 1x4(External)
NETWORK				
Client Connection	Gigabit Ethernet (Client) x 1			
Video In Connection	Fast Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1	Fast Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1	Fast Ethernet (IP Camera) x 4	Fast Ethernet (IP Camera) x 4
Transmission Speed	50Mbps / 100Mbps (BRP Mode)			
Camera Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 50W	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 4 Ports, 30W
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite			
INTERFACE				
Audio In / Out	Local (NVR) : - / 1 RCA + 1 HDMI IP Camera : 16 / 16 (Depending on IP Camera)	Local (NVR) : - / 1 RCA + 1 HDMI IP Camera : 8 / 8 (Depending on IP Camera)	Local (NVR) : - / 1 RCA + 1 HDMI IP Camera : 4 / 4 (Depending on IP Camera)	Local (NVR) : - / 1 RCA + 1 HDMI IP Camera : 4 / 4 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)	Local (NVR) : 4 / 1 IP Camera : 8 / 8 (Depending on IP Camera)	Local (NVR) : 4 / 1 IP Camera : 4 / 4 (Depending on IP Camera)	Local (NVR) : 4 / 1 IP Camera : 4 / 4 (Depending on IP Camera)
Alarm Reset In	-			
Serial Interface	RS232 (Terminal Block)			
USB	USB 2.0 x 1, USB 3.0 x 1			
GENERAL				
Operating System	Embedded Linux			
Dimensions (W x H x D)	300mm x 62mm x 231 mm (11.8" x 2.4" x 9.1")			
Unit Weight	2.3kg (5.1lb) (with 1 HDD)		2.2kg (4.9lb) (with 1 HDD)	
Power Input	DC 12V 1.76A (for NVR), DC48V 1.1A(for PSE)	DC 12V 1.76A (for NVR), DC 48V 1.1A (for PSE)	DC 12V 1.76A (for NVR), DC 48V 0.65A (for PSE)	DC 12V 1.76A (for NVR), DC 48V 0.65A (for PSE)
Power Consumption	NVR: 12V=, 1.76A, 21.12W PSE: 48V=, 1.1A, 52.8W MAX	NVR: 12V=, 1.76A, 21.12W PSE: 48V=, 1.1A, 52.8W MAX	NVR: 12V=, 1.76A, 21.12W PSE: 48V=, 0.65A, 31.2W MAX	NVR: 12V=, 1.76A, 21.12W PSE: 48V=, 0.65A, 31.2W MAX
Approvals	FCC, CE, KC			



IDIS Compact Solution

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

	DR-1308P	DR-1304P	DR-1304PC
Model Name			
VIDEO			
Video Inputs	8 IP Channels	4 IP Channels	4 IP Channels
Max. Incoming Throughput	70Mbps	50Mbps	50Mbps
Supported Camera	DirectIP		
Video Outputs	1 HDMI, 1 VGA		
Display Resolution	1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200		
Display Speed	Up to 240fps	Up to 120fps	Up to 120fps
RECORDING			
Max. Throughput	40Mbps, 240ips @ 5MP	20Mbps, 120ips @ 5MP	20Mbps, 120ips @ 5MP
Recording Resolution	Up to 5MP (Depending on IP Camera)		
Compression	H.265, H.264		
Intelligent Codec	Supported		
Recording Mode	Time-lapse, Event, Pre-event, Panic		
PLAYBACK			
Performance	4ch Full HD Synchronous Playback		
Search Mode	Time-lapse, Event Log, Motion		
STORAGE			
HDD	SATA x 1, (Up to 6TB Capacity, 3.5")	SATA x 1, (Up to 6TB Capacity, 3.5")	SATA x1, (Up to 1TB Capacity, 2.5")
Total Capacity	6TB = 6TB x 1	6TB = 6TB x 1	1TB = 1TB x 1
NETWORK			
Client Connection	Fast Ethernet (Client) x 1		
Video In Connection	Fast Ethernet (IP Camera) x 8	Fast Ethernet (IP Camera) x 4	Fast Ethernet (IP Camera) x 4
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 4 Ports, 30W
Client Viewer	IDIS Center, IDIS Mobile, IDIS Solution Suite, IDIS Web (web.idisglobal.com only)		
INTERFACE			
Audio In / Out	No		
Alarm In / Out	No		
Alarm Reset In	-		
Serial Interface	No		
USB	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")	170mm x 44.5mm x 107.9mm (6.69" x 1.75" x 4.25")
Unit Weight	1.31kg (2.89lb) (with 1 HDD)	1.27kg (2.80lb) (with 1 HDD)	0.43 kg (0.96 lb) (with 1 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, 1.2A, Output : 48V , 1.0A)
Power Consumption	NVR: 54-56V, 1.14-1.1A, 61.6W PSE : Max. 50W	NVR: 48V , 0.81A, Max. 39W PSE : Max. 30W	NVR: 48V, 0.75A, Max. 36W PSE : Max. 30W
Approvals	KC, CE, FCC		

ENTERPRISE NETWORK VIDEO RECORDERS

Preinstalled VMS with IDIS Workstation

IR-300A

NDAA
Compliance

IDIS SOLUTION
SUITE®

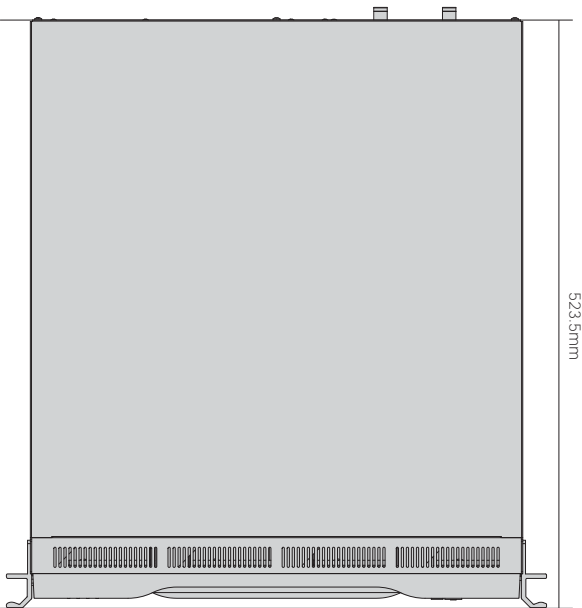
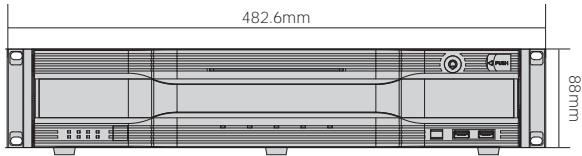


The IDIS Enterprise NVR, IR-300A, allows users to establish a reliable, high performance surveillance system in minutes while providing exceptional manageability. The IR-300A operating system (OS), powered by SSD and IDIS Solution Suite VMS, is perfect for large-scale systems and ensures important data retention through RAID and Redundant Power.

IR-300A 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-300A
SYSTEM	IDIS Solution Suite	Compatible with Expert and Federation Version 2.8.2 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 Embedded Standard 8
	Processor	Intel® I7-7700, 3.6GHz
	Memory	DDR4 PC-17000, 16GB
	Video Outputs	1 HDMI, 1 DP, 1 VGA
MECHANICAL	USB	6 (2 Front USB 2.0 + 2 Back USB 3.0 + 2 Back USB 2.0)
	RS-232	1 (DB9)
	Optical Drive	-
	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")
ELECTRICAL	Weight	12.6kg (27.8lbs)
	Power Input	AC 100-240V~, 50/60Hz, 6.0 - 3.0A (Redundant)
	Power Supply	Dual Power (Redundant SMPS)
ENVIRONMENTAL	Power Consumption	190W
	Operating Temperature	0° to 40°C (32° to 104°F)
ACCESSORIES SUPPLIED	Operating Humidity	0% to 90%
	Power Cord	2
GENERAL	Certifications	FCC, CE, CB, UL, PSE

ENTERPRISE NETWORK VIDEO RECORDERS

Preinstalled VMS with IDIS Workstation

IR-100 | **NDA**
Compliance | **IDIS SOLUTION SUITE**

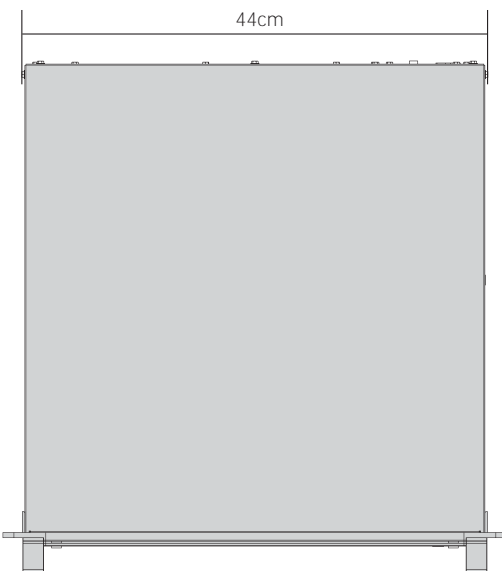
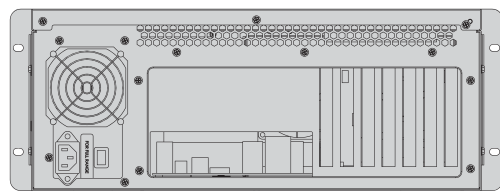
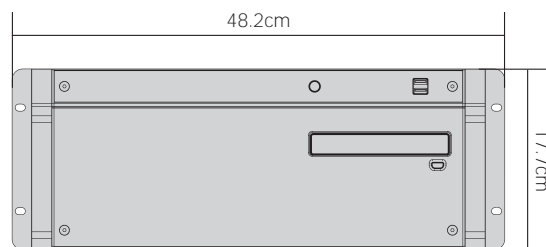


The IDIS Enterprise network video recorder (NVR) is designed with a perfect balance of performance, expandability, reliability, and manageability to provide an industry-leading, world-class security solution. It is built using best-in-class components that provide flexibility and scalability that are needed to design a video system suited for a variety of end-user applications.

Pre-installed IDIS Solution Suite video management software (VMS) provides greater control of situations through the monitoring of multiple cameras and enhanced operational flexibility by centralised management, together with cost effective recording and integration capabilities.

- Pre-installed with IDIS Solution Suite VMS
- Tested and validated with IDIS Solution Suite up to 32 Full HD H.264/265 IP cameras
- Storage configuration: 5 SATA + 1 eSATA Ports
- Supports up to 32 Full HD cameras in real-time for enterprise-level surveillance systems
- 352Mbps maximum recording bandwidth per server
- Complete compatibility with IDIS components: IP cameras, analog DVR, DirectCX TVR, DirectIP NVR, and encoders
- 4U rack mount chassis
- Supports H.264, H.265 compression, and Intelligent Codec
- Supports Onvif Profile S, Axis, Panasonic, etc.

DIMENSIONS



SPECIFICATIONS

IR-100		
SYSTEM	IDIS Solution Suite	Compatible with Expert and Federation Version 2.6.0 or Higher
	Network Connection	2 GbE RJ-45 Ports (1000Base-T)
	Recording Data Rate	Up to 352Mbps
	Number of Cameras	32Ch Recommended
	Hard Disk Drive Configuration	5 SATA + 1 eSATA
	SSD	-
	Operating System	Microsoft® Windows Embedded Standard 8
	Processor	Intel® I7-7700, 3.6GHz
	Memory	DDR4 PC-17000, 8GB
	Video Outputs	1 HDMI, 1 DP, 1 VGA
MECHANICAL	USB	6 (2 Front USB 2.0 + 2 Back USB 3.0 + 2 Back USB 2.0)
	RS-232	1 (DB9)
	Optical Drive	1 DVD-RW
	Form Factor	4U Rack Mount Chassis
ELECTRICAL	Dimensions (W x D x H)	440mm x 177mm x 462mm (17.3" x 7.0" x 18.2 ")
	Weight	15.3kg 33.7lbs
ENVIRONMENTAL	Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
	Power Supply	Single Power
	Power Consumption	90W
ACCESSORIES SUPPLIED	Operating Temperature	5°C to 40°C (41°F to 104°F)
	Operating Humidity	0% to 90%
GENERAL	Power Cord	1
	Approvals	FCC, CE, CB, UL

ENTERPRISE NETWORK VIDEO RECORDERS

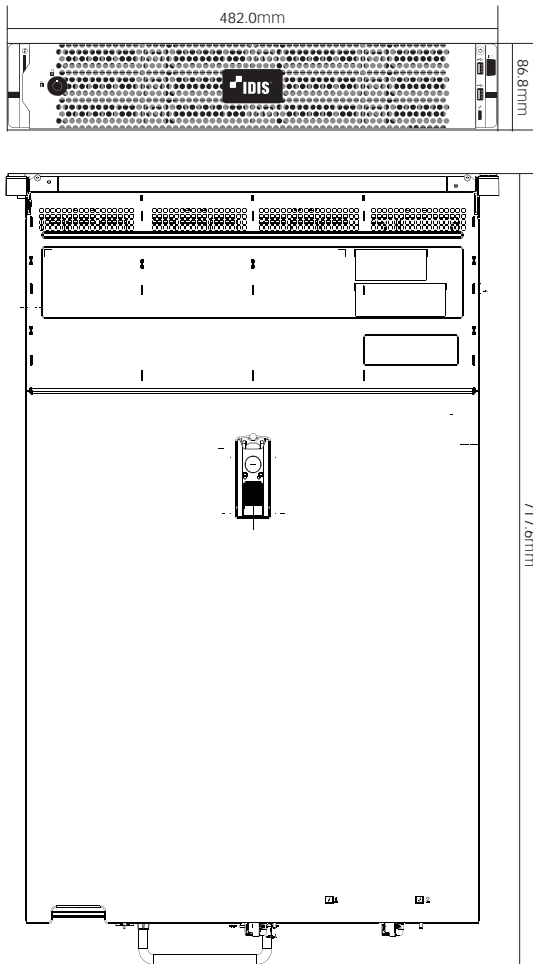
Preinstalled VMS with Server PC

IR-1100 | **NDA**
Compliance | **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
- 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
- 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 2.6.0 or Higher
	Network Connection	4 GbE RJ-45 Ports (1000Base-T)
	Recording Data Rate	Up to 1024Mbps (128MBps)
	Number of Cameras	Up to 256
	Recording Storage	8 Bay
	Hard Disk Drive Configuration	Up to 8 x Large Form Factor Near-line SATA Hard Disk Drives, Hot-swappable, RAID 5, RAID 6
	Operating System	Microsoft® Embedded Windows Server 2016
	Processor	Intel® Xeon® Processor silver 4210 2.2G, 10C/20T
	Memory	8GB RAM (1 x 8GB DDR4-2666MT/s RDIMM)
	Video Outputs	1 VGA
MECHANICAL	Form Factor	2U Rack Mount Chassis
	Dimensions (W x H x D)	482.0mm x 717.6mm x 86.8mm (18.97" x 27.71" x 3.41")
ELECTRICAL	Weight	34.5kg (76 lbs)
	Power Input	100-240V AC, 50/60Hz
	Power Supply	Redundant, Hot Swappable
ENVIRONMENTAL	Power Consumption	750W
	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	3048m (10,000ft)
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 • Toolled mounting in threaded hole 4-post racks
	Cable Management Arm	Yes
	Rack Bezel	1, Front
	Power Cord	1
CERTIFICATIONS	Emissions Classification (EMC)	FCC Rating Class A CISPR 22, EN55022, EN55024, FCC CFR 47, Pt 15, ICES-003, CvNS14336-1, CNS14348, 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

ENTERPRISE NETWORK VIDEO RECORDERS

Server Storage with IR-1100

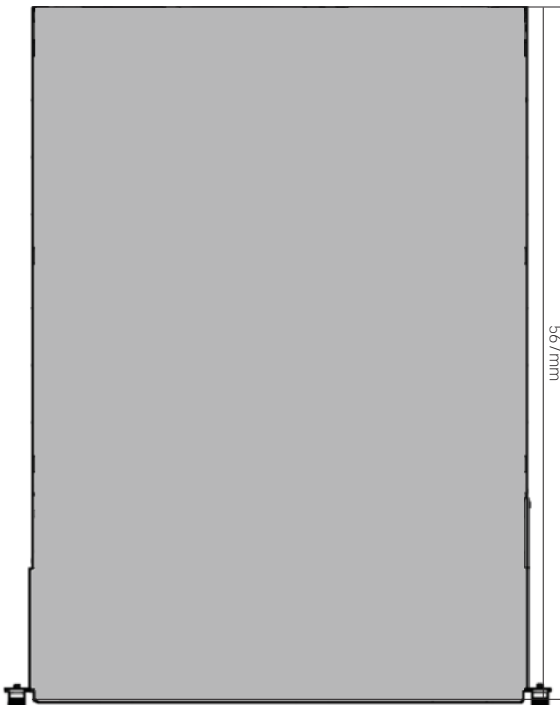
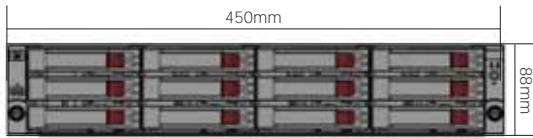
IS-1100



The expansion storage of an IDIS Enterprise network video recorder (NVR) provides greater flexibility to increase storage capacity in a world-class security solution. Hot-swappable disk drives, power supplies, and cooling guarantee a system that runs without recording disruption. Pre-failure alerts generated by extensive fault prediction capabilities minimize a risk of failure in an IDIS enterprise security system. Storage capacity can be easily increased up to eight expansion storage units or 96 drives, without IT expertise. Flexibility to mix and match SAS and SATA drives in the same enclosure provides more drive options for storage expansion.

- 12Gbps SAS offering unmatched I/O performance
- Support to mix and match NL-SAS, SAS and SSD drives
- RAID levels : 0, 1, 5, 6, 10, 50, 60
- Hot-swappable drives, fans and power supplies

DIMENSIONS



SPECIFICATIONS

IS-1100		
SYSTEM	Hard Disk Drive Configuration	Up to 12 x 3.5" SATA
	Recording Storage Capacity	Up to 72TB Raw, 60TB Effective (RAID6), 66TB Effective (RAID 5)
	Interface to IR-1000	Ipass (Mini-SAS), Two (One in, Other is out)
	Expansion capabilities	Up to 8 Expansion Storage
MECHANICAL	Form Factor	2U Rack Mount Chassis
	Dimensions (W x H x D)	482.0mm x 591.8mm X 87.0mm (19.98" x 23.3" x 3.43")
	Weight	Max 28.4kg (62.6lbs)
ELECTRICAL	Power Input	100-240V AC, 50/60Hz
	Power Supply	Redundant, Hot Swappable
	Power Consumption	600W
ENVIRONMENTAL	Operating Temperature	10°C to 35°C (50°F to 95°F)
	Storage Temperature	-40° to 65°C (-40° to 149°F)
	Operating Humidity	18% to 85% Relative humidity
	Non-operating Humidity	5% to 95% Relative humidity
	Operating Altitude	-16 to 3048 m (-50 to 10,000 ft)
Storage Altitude	-16 to 10,600 m (-50 to 35,000 ft)	
ACCESSORIES SUPPLIED	Rack Rail System	Sliding rail system with cable management arm. Supports: • Tool-less mounting in 19"-wide EIA-310-E compliant square hole and unthreaded round-hole 4-post racks • Tooled mounting in threaded hole 4-post racks
	Cable Management Arm	Yes
	Rack Bezel	No
	Power Cord	1
CERTIFICATIONS	Emissions Classification	FCC Rating Class A
	(EMC) Directives	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

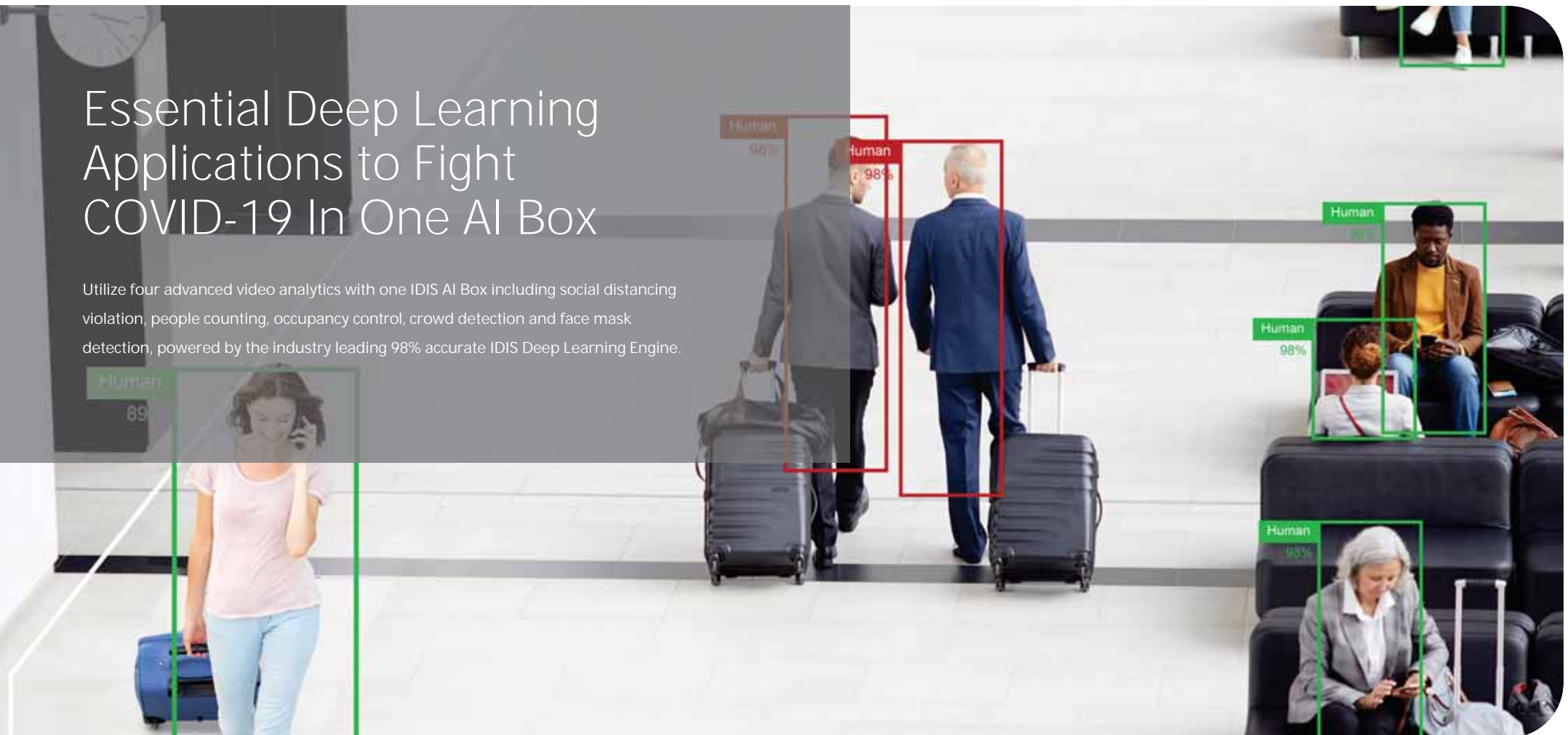
ORDERING INFORMATION

Part Number	Description
IS-1000-EXE1-CNTR	Controller Card for Connecting Storage Expansion to an IDIS Enterprise NVR
IS-1000-EXE1-3TB-RD5	3TB / SAS Cable
IS-1000-EXE1-48TB-RD5	48TB RAID5 Expansion / SAS Cable
IS-1000-EXE1-48TB-RD6	48TB RAID6 Expansion / SAS Cable
IS-1000-EXE1-72TB-RD5	72TB RAID5 Expansion / SAS Cable
IS-1000-EXE1-72TB-RD6	72TB RAID6 Expansion / SAS Cable
IS-1000-EXE1-3Y WTY 24HR	3 Year 24/7 Full Care Service

DEEP LEARNING ANALYTICS NETWORK VIDEO RECORDERS

Essential Deep Learning Applications to Fight COVID-19 In One AI Box

Utilize four advanced video analytics with one IDIS AI Box including social distancing violation, people counting, occupancy control, crowd detection and face mask detection, powered by the industry leading 98% accurate IDIS Deep Learning Engine.



AI in the Box

DV-2232



IDIS Deep Learning Analytics (IDLA)

Powered by the IDIS Deep Learning Engine



Social Distancing Violation Detection



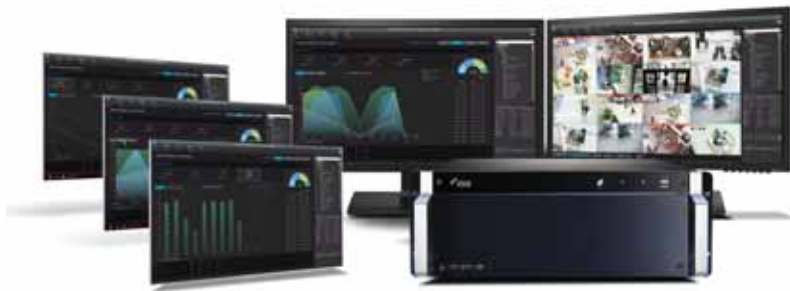
Crowd Detection



Face Mask Detection



People Counting and Occupancy Monitoring



- A specialized DirectIP NVR
- Supports up to 32-ch IP cameras
- Powered by advanced IDIS Deep-Learning Analytics (IDLA)
- 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

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 Detection Crowd Detection Face Mask Detection 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

DEEP LEARNING ANALYTICS NETWORK VIDEO RECORDERS

An Advanced AI Engine Designed for Security and Safety Applications

The IDIS Deep Learning Engine is an artificial neural network that acts like the human brain, learning from experience. Out-performing human 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 first detect and then identify an event or threat, while filtering out false alarms.



AI in the BOX with IDIS Solution Suite

DV-3100 | **IDIS SOLUTION SUITE**



- 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



IDIS Deep Learning Analytics (IDLA)

Powered by 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 @ 5ips 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)	440mm x 177mm x 462mm (17.3" x 7.0" x 18.2")
Weight	14.0kg (30.9 lbs.)
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	
Certifications	FCC, CE, CB, UL, KC

DEEP LEARNING ANALYTICS NETWORK VIDEO RECORDERS

Analytic Report with Style

Report with graphs and thumbnails by setting a time period. Periodical analysis for each feature is available through the VMS „VA report“ tab. You can check hourly/daily/weekly/monthly data in detail by simply entering a date and time. The data from the People Counting, Queue Management, and Heatmaps functions can be reviewed individually or collectively.



VA in the Box

DV-1104



IDIS VA in the Box is one of the most powerful tools available for making businesses more competitive, giving you access to the information needed to make the best decisions possible. The data generated by the People Counting, Queue Management, Heatmaps and Analytic Reports functions gives you a chance to learn more about your customers, their behaviors, and their needs and demands.



People Counting Count, Track and Analyze

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



Queue Management Line Management and Analysis

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



Heat Maps Visualize visitor footfall and Behavior

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

DV-1104	
	
Key Features	<ul style="list-style-type: none"> · Specialised in DirectIP NVR · Supports 4ch IP Camera · Supports People Counting · Supports Heatmap · Supports Queue Management
DECODER	
Video Compression	H.265, H.264
Video Inputs	4ch IP
Supported Devices	DirectIP NVR
Max. Network Throughput	20Mbps
Newtork Connection	Gigabit Ethernet x 1
VA Support	People Counting Heatmaps Queue Management (Max. 3 queues)
GENERAL	
Dimension (W x H x D)	200mm x 44mm x 153mm (7.9" x 1.7" x 6.0")
Unit Weight	0.74kg (1.6lb)
Operating Temperature	0°C to 40°C (32°F ~ 104°F)
PoE(class)	Yes (IEEE 802.3af Class 3)
Power source	12VDC, PoE
Power Consumption	12V=, 0.55A, 6.6W PoE, IEEE 802.3af (Class 3)
Approvals	FCC, CE, KC



NETWORK CAMERAS

High Resolution 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 environmental needs.

BOX CAMERAS














	3M(OXGA)	8MP
	DC-B3303X	DC-B1803
Model Name		
Image Sensor	1/2.8" CMOS	1/2.3" CMOS
Max. Resolution	2048 x 1536	3840 x 2160
Lens Type	Optional (C/CS mount)	Optional (C/CS Mount)
Iris Control	P-Iris / DC Auto Iris / Manual Iris	P-Iris / DC Auto Iris / Manual Iris
Min. Illumination	Color : 0.1 Lux @ F1.2 B/W : 0.01 Lux @ F1.2	Color : 0.4 Lux @ F1.6 B/W : 0.04 Lux @ F1.6
Dynamic Range	120dB (True WDR)	More than 70dB
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
Image Stabilizer	-	-
De-fog	Yes	-
Video Out	1 RCA	1 RCA
Video Compression	H.265, H.264 (MP), M-JPEG	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
Max. Frame Rate	30ips : 2048 x 1536 (WDR)	60ips : 1920 x 1080 30ips : 3840 x 2160 15ips : 3840 x 2160
Ethernet	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000 BASE-T)
Recording Session Buffer (NLTsrec)	Yes (Up to 40MB)	Yes (Up to 100MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 128GB)
Trigger Event	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Alarm In Audio Detection Tampering Trip Zone
Audio In / Out	Line-in 1ea (Built In MIC) + 1 / Line-out 1ea	Line-in 1ea (Built In MIC) + 1 / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Proof Casing	-	-
Outdoor Ready	-	-
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	75.6mm x 61mm x 129.3mm (2.98" x 2.4" x 5.09")	75.6mm x 61mm x 129.3mm (2.98" x 2.4" x 5.09")
Weight	0.4kg (0.89 lb)	0.4kg (0.89 lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12V =, 0.5A, 6W PoE, IEEE 802.3af, (Class 3)	12V =, 0.7A, 8.4W PoE, IEEE 802.3af, (Class 3)
Approval	FCC, CE, KC, UL	FCC, CE, KC, UL

LENS

	LENS
	DCL-M2880P
Model Name	
Specification	Vari-focal P-Iris 3MP IR
Imager Size	1/3" (Applicable for 1/2.7, 1/2.8)
Mount Type	CS
Focal Length	2.8 ~ 8mm
Aperture Range	F/1.2 ~ Close
Field of View	Wide 100.1°(H) x 72.9°(V) Tele 35.8°(H) x 26.8°(V)
M.O.D.	0.3m
Iris Control	P-Iris
Dimension	Ø43.2 x 55.78mm
Flange Back Length	12.5mm
Weight	68g
Operating Temperature	-20°C ~ 60°C



DOME CAMERAS

		MFZ, 2MP			
Model Name	DC-D6233HRX	DC-D6233HRXL	DC-D6243HRX	DC-D6233RX	
	  	   	  	  	
Image Sensor	1/3" CMOS	1/1.9" CMOS	1/3" CMOS	1/3" 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 - 12mm	f = 4.4 - 10mm	f = 7 - 22mm	f = 2.8 - 12mm	
Aperture	F1.6 - 2.7	F1.2 - 1.95	F1.4 - 2.8	F1.6 - 2.7	
Iris Control	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 : 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)	Wide : 98° (H), 52° (V), 116° (D) Tele : 33° (H), 18.5° (V), 37.9° (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°	
Min. Illumination	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)	Color : 0.1 Lux @ F1.6 B/W : 0 Lux (IR LED On)	
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)	20m / 65.6ft (6ea)	
Image Stabilizer	-	-	-	-	
De-fog	Yes	Yes	Yes	Yes	
Video Out	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	
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	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	60fps : 1920 x 1080 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 BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100 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)	
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)	
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 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	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	
Vandal Resistance	IK10	IK10	IK10	-	
Outdoor Ready	IP67, Heater	IP67, Heater	IP67, Heater	-	
Operating Temperature	-40°C ~ +60°C (+40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-40°C ~ +60°C (+40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Dimensions (W x H x D)	Ø160mm x 116.5mm (Ø6.30" x 4.59")	Ø160mm x 128.5mm (Ø6.30" x 5.06")	Ø160mm x 128.5mm (Ø6.30" x 5.06")	Ø160mm x 108mm (Ø5.5" x 4.25")	
Weight	1.21kg (2.66lb)	1.21kg (2.66lb)	1.21kg (2.66lb)	0.49kg (1.08lb)	
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)	
Power Consumption	12V = 0.82A, 9.84W 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)	12V = 0.61A, 7.32W PoE, IEEE 802.3af (Class 3)	

DOME CAMERAS

Model Name	MFZ, 5MP		MFZ, 2MP
	DC-D3533RX	DC-D3533HRX	DC-D3233HRXL
	 5MP	 5MP	IDIS LightMaster  Full HD 2MP
Image Sensor	1/1.8" CMOS	1/1.8" CMOS	1/1.9" CMOS
Max. Resolution	2592 x 1944	2592 x 1944	1920 x 1080
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 3.6 - 10mm	f = 3.6 - 10mm	f = 4.4 - 10mm
Aperture	F1.8 - 2.8	F1.8 - 2.8	F1.2 - 1.95
Iris Control	P-Iris	P-Iris	P-Iris
Angular Field of View	Wide : 90° (H), 67° (V), 116° (D) Tele : 37° (H), 27° (V), 46° (D)	Wide : 90° (H), 67° (V), 116° (D) Tele : 37° (H), 27° (V), 46° (D)	Wide : 91.5° (H), 48.4° (V), 109° (D) Tele : 43.4° (H), 24.2° (V), 49.9° (D)
Pan / Tilt Range	Pan : -176° ~ 176° Tilt : 0° ~ 65° Rotate : -90° ~ 90°	Pan : -176° ~ 176° Tilt : 0° ~ 65° Rotate : -90° ~ 90°	Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90°
Min. Illumination	Color : 0.2 Lux @ F1.8 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F1.8 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	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)
Image Stabilizer	-	-	-
De-fog	Yes	Yes	Yes
Video Out	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
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	30ips : 2592 x 1944 15ips : 2592 x 1944 (WDR)	30ips : 2592 x 1944 15ips : 2592 x 1944 (WDR)	60ips : 1920 x 1080 30ips : 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 Audio Detection Alarm In Tampering Trip Zone	Motion Detection Audio Detection Alarm In Tampering Trip Zone	Motion Detection Audio Detection Alarm In Tampering Trip Zone
Audio In / Out	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Resistance	-	IK10	IK10
Outdoor Ready	-	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)	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)
Dimensions (W x H x D)	Ø160mm x 116.5mm (Ø6.30" x 4.59")	Ø160mm x 128.5mm (Ø6.30" x 5.06")	Ø160mm x 128.5mm (Ø6.30" x 5.06")
Weight	1.21kg (2.66lb)	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)
Power Consumption	12V =, 0.85A, 10.2W PoE, IEEE 802.3af (Class 3)	12V =, 0.95A, 11.4W PoE, IEEE 802.3af (Class 3)	12V =, 0.97A, 11.6W PoE, IEEE 802.3af (Class 3)



EDGE VA - The new models include analytics functionality such as line cross, loitering and object detection, as well as other feature sets including audio detection.



IDIS and NDAA Compliance

(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.

DOME CAMERAS

Model Name	8MP	
	DC-D4831HRX (-A)	DC-D4811WRX (-A)
		
Image Sensor	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	3840 x 2160	3840 x 2160
Lens Type	Motorized Vari-focal	Fixed-focal
Focal Length	f=2.7-13.5mm	f=3.3mm
Aperture	F1.8 - 3.32	F2.0(3.3mm)
Iris Control	DC IRIS	Fixed Iris
Angular Field of View	Wide : 110.6°(H) 57.3°(V) 134.1°(D) Tele : 32.6°(H) 18.3°(V) 37.4°(D)	101.3° (H) 54.5°(V) 119.7°(D) (f=3.3mm)
Pan / Tilt Range	Pan: -175° ~ 175° Tilt: 0° ~ 64° Rotate: -177° ~ 177°	Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109°
Min. Illumination	Color : 0.2 Lux @ F1.8 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)
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	40m / 131.2ft (6ea)	20m / 65.6ft
Image Stabilizer	-	-
De-fog	No	No
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	30ips : 3840 x 2160 15ips : 3840 x 2160 (WDR)	30ips : 3840 x 2160 15ips : 3840 x 2160(WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSrec)	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)
Trigger Event *	Motion Detection Alarm In Audio detection * Tampering Trip Zone	Motion Detection Alarm In Audio detection * Tampering Trip Zone
Audio In / Out *	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Proof Casing	IK10	IK10
Outdoor Ready	IP67, Heater	IP67
Operating Temperature	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)	-20°C ~ +55°C(-22°F ~ +131°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	Ø155 x 104.4mm (Ø6.10" x 4.09")	Ø120.6 x 92.9mm (Ø4.72" x 3.66")
Weight	1.02 kg (2.25lb)	0.48kg (1.06lb)
Power Source	PoE (IEEE 802.3af Class 3), DC12V	PoE (IEEE 802.3af Class 3)
Power Consumption	12V=, 1.2A, 14.4W PoE, IEEE 802.3af Class 3, 12.4W	12V=, 1.2A, 14.4W PoE, IEEE 802.3af Class 3, 12.4W











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

DOME CAMERAS

Model Name	MFZ, 2MP		
	DC-D4236HRX (-A)	DC-D4236WRX (-A)	DC-D4236RX (-A)
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f=2.8-12mm	f=2.8-12mm	f=2.8-12mm
Aperture	F1.4(W)-F2.8(T)	F1.4(W)-F2.8(T)	F1.4(W)-F2.8(T)
Iris Control	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 : 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°
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 @ F1.4
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)	30 m / 98.4 ft (6ea)
Image Stabilizer	-	-	-
De-fog	-	-	-
Video Out	-	-	1-CVBS
Video Compression	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG
Intelligent Codec	Supported	Supported	Supported
Audio Compression *	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30fps : 1920 x 1080(WDR)	30fps : 1920 x 1080(WDR)	30fps : 1920 x 1080(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 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	Motion Detection Alarm in Audio detection * Tampering Trip Zone	Motion Detection Alarm in Audio detection * Tampering Trip Zone
Audio In / Out *	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Resistance	IK10	IK10	-
Outdoor Ready	IP67, Heater	IP67	-
Operating Temperature	-40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	Ø155 x 105mm (Ø6.1" x 4.13")	Ø155 x 105mm (Ø6.1" x 4.13")	Ø122 x 103.4mm (Ø4.8" x 4.05")
Weight	0.99 kg(2.18lb)	0.99 kg(2.18lb)	0.37kg(0.81lb)
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=, 0.95A, 11.4W PoE, IEEE 802.3af (Class 3), 10.3W	12V=, 0.64A, 7.7W PoE, IEEE 802.3af (Class 3), 7.8W	12V=, 0.38A, 4.6W PoE, IEEE 802.3af (Class 2), 4.7W

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

DOME CAMERAS









Model Name	MFZ, 2MP				
	DC-D4233HRX	DC-D4233WRX	DC-D4233RX	DC-D4223WRX	DC-D4223RX
	 	 	 	 	 
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Manual Vari-focal
Focal Length	f = 2.8 - 12mm	f = 2.8 - 12mm	f=2.8-12mm	f = 2.8 - 12mm	f = 2.8 - 12mm
Aperture	F 1.4(W) - F2.8(T)	F 1.4(W) - F2.8(T)	F1.4(W)-F2.8(T)	F 1.4(W) - F2.8(T)	F 1.4(W) - F2.8(T)
Iris Control	DC Iris	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 : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D)	Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D)	Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D)
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°	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)	Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On)
Dynamic Range	120dB	120dB	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)
Image Stabilizer	-	-	-	-	-
De-fog	Yes	Yes	Yes	Yes	Yes
Video Out	-	-	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	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-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	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	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea (Built In MIC) + 1 / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Resistance	IK10	IK10	-	IK10	-
Outdoor Ready	IP67, Heater	IP67	-	IP67	-
Operating Temperature	-40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	Ø155 x 105mm (Ø6.1" x 4.13")	Ø155 x 105mm (Ø6.1" x 4.13")	Ø122 x 103.4mm (Ø4.8" x 4.07")	Ø155 x 105mm (Ø6.1" x 4.13")	Ø122 x 103.4mm (Ø4.8" x 4.07")
Weight	1.01 kg (2.22lb)	1kg (2.20lb)	0.37kg (0.80lb)	0.99kg (2.18lb)	0.35kg (0.77lb)
Power Source	PoE (IEEE 802.3af Class 3), DC12V	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=, 1.05A, 12.6W PoE, IEEE 802.3af (Class 3), 11.5W	12V=, 1.05A, 12.6W PoE, IEEE 802.3af (Class 3), 11.5W	12V=, 1.05A, 12.6W PoE, IEEE 802.3af(Class 3), 11.5W	12V=, 0.57A, 6.84W PoE, IEEE 802.3af(Class 3), 7W	12V=, 0.57A, 6.84W PoE, IEEE 802.3af(Class 3), 7W

DOME CAMERAS


Model Name	FIXED, 2MP				
	DC-D4216WRX (-A)	DC-D4216RX (-A)	DC-D4213WRX (2.8mm / 4.0mm)	DC-D4213RX (2.8mm / 4.0mm)	DC-D4217RX (2.8mm / 4.0mm)
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal
Focal Length	f=2.8mm	f=2.8mm	f = 2.8mm / 4.0mm	f = 2.8mm / 4.0mm	f=2.8mm / 4.0mm
Aperture	F2.0 (f=2.8mm)	F2.0 (f=2.8mm)	F2.0 (f=2.8mm) / F2.15 (f=4.0mm)	F2.0 (f=2.8mm) / F2.15 (f=4.0mm)	F2.0 (2.8mm) / F1.6 (4.0mm)
Iris Control	Fixed Iris	Fixed Iris	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)	113.7°(H), 61.5°(V), 134.5°(D) (f=2.8mm) 87°(H), 44°(V), 106°(D) (f=4.0mm)	113.7°(H), 61.5°(V), 134.5°(D) (f=2.8mm) 87°(H), 44°(V), 106°(D) (f=4.0mm)	111.6°(H), 61.45°(V), 127.3°(D) (f=2.8mm) 87.4°(H), 46.9°(V), 103.5°(D) (f=4.0mm)
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°	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)	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F2.0 B/W : 0 Lux (IR LED On)(2.8mm) Color : 0.07 Lux @ F1.6 B/W : 0 Lux (IR LED On) (4.0mm)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	More than 70dB
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	30m / 98.4 ft (4ea)	30m / 98.4 ft (4ea)	30m / 98.4ft (4ea) (f=2.8mm) 30m / 98.4ft (4ea) (f=4.0mm)	30m/98.4 ft (4ea) (f=2.8mm) 20m/65.6 ft (2ea) (f=4.0mm)	20m / 65.6 ft (4 ea) (f=2.8mm) 20m / 65.6 ft (2 ea) (f=4.0mm)
Image Stabilizer	-	-	-	-	-
De-fog	-	-	Yes	Yes	-
Video Out	-	-	-	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP) M-JPEG	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	-
Max. Frame Rate	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTsrec)	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)	-
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 Tampering Trip Zone
Audio In / Out *	Line-in 1ea / Line-out 1ea	Line-in 1ea (Built In MIC) + 1 / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea (Built In MIC) + 1 / Line-out 1ea	-
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	-
Vandal Resistance	IK10	-	IK10	-	-
Outdoor Ready	IP67	-	IP67	-	-
Operating Temperature	-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)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	Ø120 x 92.9mm (Ø4.72" x 3.65")	Ø110 x 88mm (Ø4.33" x 3.46")	Ø120 x 92.9mm (Ø4.72" x 3.65")	Ø110 x 88mm (Ø4.33" x 3.46")	Ø130 x 81.4mm (5.2" x 3.2")
Weight	0.465kg (1.02lb)	0.26kg (0.57lb)	0.465kg (1.02lb)	0.26kg (0.57lb)	0.242Kg(0.53lb)
Power Source	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)	PoE
Power Consumption	PoE, IEEE 802.3af (Class 2), 4.6W	PoE, IEEE 802.3af (Class 2), 4.6W	PoE, IEEE 802.3af (Class 2), 4.8W	PoE, IEEE 802.3af (Class 2), 4.8W	PoE, IEEE 802.3af(Class 2), 3.8W

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

BULLET CAMERAS

	MFZ, 2MP			
Model Name	DC-T6233HRX	DC-T6233HRXL	DC-T6243HRX	DC-T6234HRX
	 	 	 	 
Image Sensor	1/3" CMOS	1/1.9" CMOS	1/3" CMOS	1/3" 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 = 3.3 - 10mm	f = 4.4 - 10mm	f = 9 - 22mm	f = 9 - 22mm
Aperture	F1.3 - 2.5	F1.2 - 1.95	F1.5 - 2.8	F1.5 - 2.8
Iris Control	P-Iris	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 : 33.8° (H), 18.8° (V), 39.2° (D) Tele : 14.2° (H), 8° (V), 16.2° (D)	Wide : 94.0° (H), 50.0° (V), 110.0° (D) Tele : 31.8° (H), 18.0° (V), 36.6° (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 : 0.3 Lux @ F1.5 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	30m / 98.4ft (10ea)	30m / 98.4ft (10ea)	30m / 98.4ft (10ea)	30m / 98.4ft (24ea) / White LED (6ea)
Image Stabilizer	-	-	-	-
De-Fog	Yes	Yes	Yes	Yes
Video Out	1 BNC	1 BNC	1 BNC	1 BNC
Video Compression	H.264 (MP), M-JPEG, H.265	H.264 (MP), M-JPEG, H.265	H.264 (MP), M-JPEG, H.265	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	60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR)	60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR)	60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR)	60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000 BASE-T)
Recording Session Buffer (NLTsrec)	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)
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 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	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Proof Casing	IK10	IK10	IK10	-
Outdoor Ready	IP66, Heater	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 ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F)
Dimensions (W x H x D)	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")	Ø73.5mm x 308.5mm (Ø2.9" x 12.15")
Weight	1.17kg (2.58lb)	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)	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 =, 0.72A, 8.64W PoE, IEEE 802.3af (Class 3)	12V=, 0.77A, 9.24W PoE, IEEE 802.3af (Class 3)

BULLET CAMERAS

Model Name	MFZ, 5MP	MFZ, 2MP
	DC-T3533HRX	DC-T3233HRXL
	 SMP	IDIS LightMaster  Full HD 2MP
Image Sensor	1/1.8" CMOS	1/1.9" CMOS
Max. Resolution	2592 x 1944	1920 x 1080
Lens Type	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 3.6 - 10mm	f = 4.4 - 10mm
Aperture	F1.8 - 2.8	F1.2 - 1.95
Iris Control	P-Iris	P-Iris
Angular Field of View	Wide : 90° (H), 67° (V), 116° (D) Tele : 37° (H), 27° (V), 46° (D)	Wide : 91.5° (H), 48.4° (V), 109° (D) Tele : 43.4° (H), 24.2° (V), 49.9° (D)
Min. Illumination	Color : 0.2 Lux @ F1.8 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)
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	30m / 98.4ft (10ea)	30m / 98.4ft (10ea)
Image Stabilizer	-	-
De-Fog	Yes	Yes
Video Out	1 BNC	1 BNC
Video Compression	H.265, H.264 (MP), M-JPEG	H.264 (MP), M-JPEG, H.265
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 : 2592 x 1944 15ips : 2592 x 1944 (WDR)	60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000 BASE-T)
Recording Session Buffer (NLTsrec)	Yes (Up to 100MB)	Yes (Up to 60MB)
Edge Storage	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	Motion Detection Alarm in Audio Detection Tampering Trip Zone
Audio In / Out	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Proof Casing	IK10	IK10
Outdoor Ready	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)
Dimensions (W x H x D)	Ø73.5mm x 311.1mm (Ø2.9" x 12.25")	Ø73.5mm x 308.5mm (Ø2.9" x 12.15")
Weight	1.27kg (2.80lb)	1.17kg (2.58lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12V =, 0.95A, 11.4W PoE, IEEE 802.3af (Class 3)	12V =, 0.8A, 9.6W PoE, IEEE 802.3af (Class 3)



EDGE VA - The new models include analytics functionality such as line cross, loitering and object detection, as well as other feature sets including audio detection.

BULLET CAMERAS

Model Name	MFZ, 8MP	FIXED, 8MP	MFZ, 2MP	
	DC-T4831HRX (-A)	DC-T4811WRX (-A)	DC-T4236WRX (-A)	DC-T4236HRX (-A)
	 	 	 	 
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	3840 x 2160	3840 x 2160	1920 x 1080	1920 x 1080
Lens Type	Motorized Vari-focal	Fixed-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f=2.7-13.5mm	f=3.3mm	f = 2.8 - 12mm	f = 2.8 - 12mm
Aperture	F1.8 - 3.32	F2.0(3.3mm)	F1.4 - 2.8	F1.4 - 2.8
Iris Control	DC IRIS	Fixed Iris	DC IRIS	DC IRIS
Angular Field of View	Wide : 110.6°(H) 57.3°(V) 134.1°(D) Tele : 32.6°(H) 18.3°(V) 37.4°(D)	101.3° (H) 54.5°(V) 119.7°(D) (f=3.3mm)	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)
Min. Illumination	Color : 0.2 lux @ F1.8 B/W : 0 lux (IR LED On)	Color : 0.2 lux @ F2.0 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)	120dB (True WDR)	120dB (True WDR)
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	40m / 131.2ft (6ea)	20m / 65.6ft	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)
Image Stabilizer	-	-	-	-
De-Fog	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	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported
Audio Compression *	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips : 3840 x 2160 15ips : 3840 x 2160 (WDR)	30ips : 3840 x 2160 15ips : 3840 x 2160 (WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTsrc)	Yes (Up to 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)
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 *	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	1 / 1	1 / 1
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea	1 / 1	1 / 1
Vandal Proof Casing	IK10	IK10	IK10	IK10
Outdoor Ready	IP67, Heater	IP67	IP67	IP67, Heater
Operating Temperature	-40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F)	-20°C ~ +55°C(-22°F ~ +131°F) (TBD) *Starting up at above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F)
Dimensions (W x H x D)	80mm X 75mm X 237mm (3.15" x 2.95" x 9.33")	75mm x 70mm x 195.8mm (2.95" x 2.75" x 7.7")	Ø 77mm X 244.1mm (Ø3.0" x 9.61")	Ø 77mm X 244.1mm (Ø3.0" x 9.61")
Weight	1.00kg (2.20lb)	0.65kg (1.43lb)	0.84kg (1.85lb)	0.84 kg (1.85lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	PoE (IEEE 802.3af Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12V=, 1.1A, 13.2W PoE, IEEE 802.3af(Class 3), 11.7W	PoE, (IEEE 802.3af Class 3), 9.0W	12V=, 0.78A, 9.3W PoE, IEEE 802.3af (Class 3), 8.5W	12V=, 0.78A, 9.3W PoE, IEEE 802.3af (Class 3), 8.5W

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

BULLET CAMERAS

Model Name	MFZ, 2MP		FIXED, 2MP		
	DC-T4233WRX	DC-T4233HRX	DC-E4216WRX (-A) 2.8mm	DC-E4213WRX 2.8mm / 4.0mm / 6.0mm	DC-T4217WRX 2.8mm / 4.0mm / 6.0mm
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" 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	Fixed-focal	Fixed-focal	Fixed-focal
Focal Length	f = 2.8 - 12mm	f = 2.8 - 12mm	f=2.8mm	f = 2.8mm / f = 4.0mm / f = 6.0mm	f=2.8mm / 4.0mm / 6.0mm
Aperture	F1.4~2.8	F1.4~2.8	F 2.0	F2.0 / F2.15	F 2.0 (2.8mm) / F 1.6 (4.0mm, 6.0mm)
Iris Control	DC Iris	DC Iris	Fixed Iris	Fixed Iris	Fixed Iris
Angular Field of View	Wide : 98°(H) 51°(V) 116°(D) Tele : 33°(H) 19°(V) 38°(D)	Wide : 98°(H) 51°(V) 116°(D) Tele : 33°(H) 19°(V) 38°(D)	111.6°(H), 61.45°(V), 127.3°(D)	113.74° (H) 61.5°(V) 134.45°(D) (2.8mm) 87° (H) 44°(V) 106°(D) (4.0mm) 53.5° (H) 29.5°(V) 62.16°(D) (6.0mm)	111.6°(H), 61.45°(V), 127.3°(D) (f=2.8mm) 87.4°(H), 46.9°(V), 103.5°(D) (f=4.0mm) 53.5°(H), 29.5°(V), 62.1°(D) (f=6.0mm)
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 : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)(2.8mm) Color : 0.2 Lux @ F2.15 B/W : 0 Lux (IR LED On)(4.0mm) Color : 0.2 Lux @ F1.6 B/W : 0 Lux (IR LED On)(6.0mm)	Color : 0.1 Lux @ F2.0 B/W : 0 Lux (IR LED On) (2.8mm) Color : 0.07 Lux @ F1.6 B/W : 0 Lux (IR LED On)(4.0mm) Color : 0.07 Lux @ F1.6 B/W : 0 Lux (IR LED On) (6.0mm)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	More than 70dB
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)	30m / 98.4ft (4 ea)	30m / 98.4ft (4ea)	20 m / 65.6 ft (2 ea)
Image Stabilizer	-	-	-	-	-
De-Fog	Yes	Yes	-	Yes	-
Video Out	-	-	-	-	-
Video Compression	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG,	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG,
Intelligent Codec	Supported	Supported	Supported	Supported	Supported
Audio Compression *	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 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)	30fps : 1920 x 1080 (WDR)	30fps : 1920 x 1080 (WDR)	30fps : 1920 x 1080
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTsrec)	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)	-
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 Tampering Trip Zone
Audio In / Out *	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	1 / 1	Line-in 1ea / Line-out 1ea	-
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea	1 / 1	Input 1ea / Output 1ea	-
Vandal Proof Casing	IK10	IK10	IK10	IK10	IK10
Outdoor Ready	IP67	IP67 / Heater	IP67	IP67	IP66
Operating Temperature	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	Ø77mm x 244.1mm (Ø3.03" x 9.61")	Ø77mm x 244.1mm (Ø3.03" x 9.61")	Ø 75mm X 70mm x 195.8mm (2.95" x 2.75" x 7.7")	Ø75mm x 70mm x 195.8mm (2.95" x 2.75" x 7.7")	Ø70.1mm x 65mm X 182.7mm (2.75" x 2.56" x 7.2")
Weight	0.84kg (1.85lb)	0.84kg (1.85lb)	0.66kg (1.45lb)	0.66kg (1.45lb)	0.340Kg (0.75 lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)
Power Consumption	12V=, 1.21A, 14.52W PoE, IEEE 802.3af (Class 3), 11.1W	12V=, 1.21A, 14.52W PoE, IEEE 802.3af (Class 3), 11.1W	PoE, IEEE 802.3af (Class 2), 6.1W	PoE, IEEE 802.3af (Class 2), 5.6W	PoE, IEEE 802.3af (Class 2), 5.4W

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

IDIS SUPER FISHEYE CAMERA

IDIS DUAL SIDE DEWARPING SOLUTION

On-Board Camera and Client Side

(Mobile Devices, Client PCs, or NVRs Without a PC)

Image dewarping is done either on-board the camera or on the client side, including mobile phones, client PCs, or an NVR without a PC.

NVR dewarping is an ideal choice for a wide range of applications, such as retail shops, restaurants, and supermarkets.



FISHEYE CAMERAS




IDIS Smart UX Controls v2.0

Graphic Processing Unit(GPU) Assisted Super Smooth ePTZ Control

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

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

IDIS has also gone one step further to lessen the pain points associated with traditional PTZ controls and introduced "Quick Controls" functions to allow for simple and fast operation utilizing a CTRL button and mouse combination (left/right/wheel click).

	FIXED, 12M	FIXED, 5M
	DC-Y6C16WRX (-A)	DC-Y6516WRX (-A)
Model Name	 12MP NDA Compliance	 5MP NDA Compliance
Image Sensor	1/2.3" 12MP CMOS	1/1.8" CMOS
Max. Resolution	2944 x 2944	2560 x 2048
Lens Type	Fixed-focal	Fixed-focal
Focal Length	f=1.6mm	f=1.5mm
Aperture	F2.0	F1.8
Iris Control	Fixed Iris	Fixed Iris
Angular Field of View	180°(H), 180°(V), 180°(D)	180°(H), 180°(V), 180°(D)
Pan / Tilt / Zoom	-	-
Min. Illumination	Color : 0.3 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.15 Lux @ F1.8 B/W : 0 Lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	10m (4ea)	20m(4ea)
Image Stabilizer	-	-
Viewing Composition	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
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 : 2944 X 2944 15ips : 2944 x 2944 (WDR)	30ips : 2560 x 2048 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSec)	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)
Trigger Event *	Motion Detection Alarm in Audio detection * Tampering Trip Zone	Motion Detection Alarm in Audio detection * Tampering Trip Zone
Audio In / Out *	Line-in 1ea (Built In MIC) + 1 / Line-out 1ea	Line-in 1ea (Built In MIC) + 1 / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Resistance	IK10	IK10
Outdoor Ready	IP67	IP67
Operating Temperature	-30°C ~ 50°C (22°F ~ 122°F) *Starting up at above 0°C (32°F)	-30°C ~ 50°C (22°F ~ 122°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	Ø135 x 56.9mm (Ø5.31" x 2.24")	Ø135 x 56.9mm (Ø5.31" x 2.24")
Weight	0.67kg (1.47 lb)	0.67kg (1.47 lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE (IEEE 802.3af Class 3)
Power Consumption	12V=, 0.94A, 11.3W PoE, IEEE 802.3af(Class 3), 10.6W	12V=, 0.92A, 11W PoE (IEEE 802.3af Class 3), 10.3W

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

IDIS PREMIER IR PTZ CAMERA

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.



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winner




SPEED DOME CAMERAS

Model Name	IR PTZ, 2MP, 36x	IR PTZ, 8MP, 31x	IR PTZ, 5MP, 31x	Outdoor PTZ, 2MP, 30x	Indoor PTZ, 2MP, 30x
	DC-S6283HRXL (-A)	DC-S3883HRX (-A)	DC-S3583HRX (-A)	DC-S3283WHX (-A)	DC-S3283FX (-A)
Image Sensor	1/2" CMOS	1/1.7" CMOS	1/1.7" CMOS	1/3" CMOS	1/3" CMOS
Max. Resolution	1920 x 1080	3840 x 2160	3072 x 1728	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 = 6 - 216mm (36x)	f = 6.5 - 202mm (31x)	f = 6.5 - 202mm (31x)	f = 4.3 - 129mm	f = 4.3 - 129mm
Aperture	F1.36 - 4.6	F1.55 - 4.8	F1.55 - 4.8	F1.6 - 5.0	F1.6 - 5.0
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 : 59.0°(H), 34.9°(V), 66.1°(D) Tele : 2.04°(H), 1.04°(V), 2.32°(D)	Wide : 58.2° (H), 34.4° (V), 65.2° (D) Tele : 1.99° (H), 1.13° (V), 2.3° (D)	Wide : 58.2° (H), 34.4° (V), 65.2° (D) Tele : 1.99° (H), 1.13° (V), 2.3° (D)	Wide : 64.7° (H), 38.6° (V), 72.7° (D) Tele : 2.3° (H), 1.4° (V), 2.6° (D)	Wide : 64.7° (H), 38.6° (V), 72.7° (D) Tele : 2.3° (H), 1.4° (V), 2.6° (D)
Min. Illumination	Color : 0.1 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)	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
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
IR Distance (LEDs)	350m / 1,148.2ft (2ea)	200m / 656.2ft (2ea)	200m / 656.2ft (2ea)	-	-
Image Stabilizer	Yes (DIS)	Yes (DIS)	Yes (DIS)	-	-
Auto Tracking	Yes	Yes	Yes	Yes	Yes
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	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	60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR)	30ips : 3840 x 2160 (WDR)	30ips : 3072 x 1728 (WDR)	60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR)	60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000BASE-T)	RJ45 (10/100/1000 BASE-T)
Recording Session Buffer (NLTsrec)	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	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 *	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input 8ea / Output 2ea	Input 8ea / Output 2ea	Input 8ea / Output 2ea	Input 4ea / Output 2ea	Input 4ea / Output 2ea
Vandal Proof Casing	IK10	IK10	IK10	IK10	-
Outdoor Ready	IP66, Heater	IP66, Heater	IP66, Heater	IP67, Heater	-
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-40°C ~ +60°C (+40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-10°C ~ +60°C (+14°F ~ +140°F) *Starting Up at Above -20°C (-4°F)
Dimensions (W x H x D)	Ø242mm x 401.1mm (Ø9.52" x 15.79")	Ø242mm x 401.1mm (Ø9.52" x 15.79")	Ø242mm x 401.1mm (Ø9.52" x 15.79")	Ø200mm x 201mm (Ø7.88" x 7.91")	Ø226.5mm x 225.3mm (Ø8.92" x 8.87")
Weight	7.2kg (15.87lb)	7.4kg (16.31lb)	7.4kg (16.31 lb)	2.45 kg (5.41lb)	2.2 kg (4.86lb)
Power Source	24VAC, PoE (75W)	24VAC, PoE (75W)	24VAC, PoE (75W)	24VAC, PoE IEEE 802.3at (Class 4)	24VAC, PoE IEEE 802.3af (Class 3)
Power Consumption	HEATER OFF 24V-, 2.1A, 35.9W, 50/60Hz High-PoE, 50-57V, 27.9W HEATER ON 24V-, 3.7A, 64.6W, 50/60Hz High-PoE, 50-57V, 55.2W	HEATER OFF 24V-, 2.1A, 38.2W, 50/60Hz PoE, IEEE 802.3bt (Class 7), 29.7W HEATER ON 24V-, 3.7A, 68.58W, 50/60Hz PoE, IEEE 802.3bt (Class 7), 58.6W	HEATER OFF 24V-, 2.1A, 38.2W, 50/60Hz PoE, IEEE 802.3bt (Class 7), 29.7W HEATER ON 24V-, 3.7A, 68.58W, 50/60Hz PoE, IEEE 802.3bt (Class 7), 58.6W	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)	24V-, 0.66A, 12.0W, 50/60Hz PoE, IEEE 802.3af (Class 3)

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

COVERT MODULAR CAMERAS



Model Name	Covert Modular, 2MP	
	DC-V3213XJ 4.0mm	DC-V3213XJ-2.5mm
	 	 
Image Sensor	1/2.9" SONY CMOS Sensor	1/2.9" SONY CMOS Sensor
Max. Resolution	1920 x 1080	1920 x 1080
Scanning Mode	Progressive Scan	Progressive Scan
Lens Type	Fixed-focal Sharp-corn	Fixed-focal Board Type
Focal Length	f=2.5mm	f = 2.5mm
Aperture	F2.0	F2.0
Iris Control	Fixed Iris	Fixed Iris
Angular Field of View	84.4°(H), 50.3°(V), 104.6°(D)	132° (H), 70° (V), 150° (D)
Min. Illumination	Color : 0.1 Lux B/W : 0.01 Lux	Color : 0.1 Lux B/W : 0.01 Lux
Dynamic Range	120dB (True WDR)	120dB (True WDR)
Day and Night	Electrical	Electrical
IR Distance (LEDs)	-	-
Video Out	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported
Audio Compression	G.726, G.711 u-Law, G.711 a-Law	G.726, G.711 u-Law, G.711 a-Law
Two-way Audio	Yes	Yes
Max. Frame Rate	30ips : 1920 x 1080 15ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 15ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)
Recording Session Buffer (NLTRec)	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)
Trigger Event	Motion Detection Alarm in Audio detection Tampering Trip Zone	Motion Detection Alarm in Audio detection Tampering, Trip Zone
Audio In / Out	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Proof Casing	-	-
Outdoor Ready	-	-
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D) - Main Module	153mm x 36.5mm x 132.7mm (6.02" x 1.44" x 5.22")	153mm x 36.5mm x 132.7mm (6.02" x 1.44" x 5.22")
Dimensions (W x H x D) - Camera Module	39mm x 40mm x 25mm (1.54" x 1.57" x 0.98")	39mm x 40mm x 35mm (1.54" x 1.57" x 1.38")
Weight	0.9kg (1.98lb)	0.9kg (1.98lb)
Power Source	12VDC, PoE IEEE 802.3at (Class 4)	12VDC, PoE IEEE 802.3at (Class 4)
Power Consumption	12V=, 0.37A, 4.44W PoE, IEEE 802.3at(Class 4)	12V=, 0.37A, 4.44W PoE, IEEE 802.3at(Class 4)



DirectCX[®]

THE MOST ADVANCED HD ANALOG OVER COAX SOLUTION

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



HD ANALOG RECORDERS

Overlapped Recording

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



TR-4000 SERIES

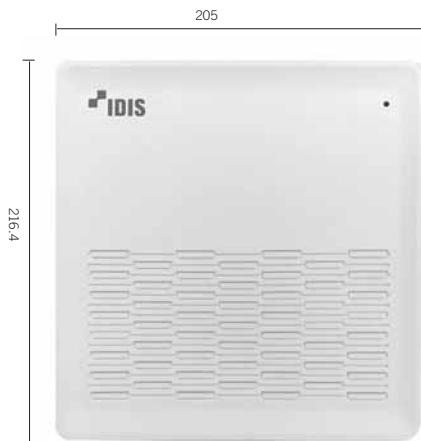
	TR-4316(R)	TR-4308(R)
Model Name		
VIDEO		
Video Inputs	16 BNC (Multistandard Analog)	8 BNC (Multistandard Analog)
Supported Camera Types	5MP, 4MP, 3MP, 1080P30, 1080P25, 720P30, 720P25, CVBS(NTSC / PAL) (Note. Each 5MP(20ips) or 4MP(25/30ips) Camera allocates 2 channel slots)	5MP, 4MP, 3MP, 1080P30, 1080P25, 720P30, 720P25, CVBS(NTSC / PAL) (Note. Each 5MP(20ips) or 4MP(25/30ips) Camera allocates 2 channel slots)
Video Outputs	1 HDMI, 1 VGA, 1 BNC (Spot)	1 HDMI, 1 VGA, 1 BNC (Spot)
Display Resolution	HDMI : 3840 x 2160, 1920 x 1080, 1440 x 900, 1280 x 1024 VGA : 1920 x 1080, 1440 x 900, 1280 x 1024 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 Composite : 720 x 480(NTSC) , 720 x 576(PAL)
Display Speed	Up to 480ips	Up to 240ips
RECORDING		
Recording Resolution	5MP, 4MP, 3MP, 1920x1080, 1280x720, 960x480,720x480,960x240, 720x240 480x240, 360x240	5MP, 4MP, 3MP, 1920x1080, 1280x720, 960x480,720x480,960x240, 720x240 480x240, 360x240
Frame Rate	480ips@1080P	240ips@1080P
Recording Mode	Time-Lapse, Event, Pre-Event, Panic	
Trigger Events	Alarm in, Motion Detection, Video loss, Text-in	
PLAYBACK		
Performance	4ch 1080P Synchronous Playback	
Search Mode	Time-lapse, Event Log, Motion, Text-in	
Digital Zoom	x2 - x12	
STORAGE		
HDD	SATA x4, eSATA x1, RAID 1 Supported	SATA x4, eSATA x1,(Up to 10TB capacity for each disk)
Data Export Device	USB HDD, USB Stick	
NETWORK		
Client Connection	Gigabit Ethernet x 1	
Transmission Speed	120ips @ Full HD	
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite	
INTERFACE		
Audio In / Out	4 RCA / 1 RCA + 1 HDMI	
Alarm In / Out	16 In / 4 Relay Out	8 In / 4 Relay Out
Alarm Reset In	1	
Serial Interface	RS232, RS485 (Terminal Block), USB 2.0, USB 3.0	
GENERAL		
Operating System	Embedded Linux	
Dimensions (W x H x D)	430mm x 88mm x 413 mm (16.9" x 3.5" x 16.3")	430mm x 88mm x 413 mm (16.9" x 3.5" x 16.3")
Unit Weight	6.0kg (13.2lb) (with 1 HDD)	6.0kg (13.2lb) (with 1 HDD)
Operating Humidity	0% - 90%	
Power Input	AC 100-240 V, 50/60Hz, ≤ 2.0A	
Power Consumption	100-240V~, 50/60Hz, 1.2-0.6A, 76W	100-240V~, 50/60Hz, 1.2-0.6A, 76W
Approvals	FCC, CE, KC, CB, UL, PSE	



TR-2000 SERIES

	TR-2416	TR-2408	TR-2404
Model Name			
VIDEO			
Video Inputs	16 BNC (Multistandard Analog)	8 BNC (Multistandard Analog)	4 BNC (Multistandard Analog)
Supported Camera Types	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)	5MP20, 5MP12, 4MP30, 4MP15, 3MP30, 3MP18, 1080P30, 1080P25, 720P30, 720P25, CVBS (NTSC/PAL)
Video Outputs	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Display Resolution	HDMI : 3840 x 2160, 1920 x 1080, 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	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 480ips	Up to 240ips	Up to 120ips
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, 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, 1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240, 480 x 240, 360 x 240
Frame Rate	480ips@1080P, 288ips@3MP, 240ips@4MP, 160ips@5MP	240ips@1080P, 144ips@3MP, 120ips@4MP, 80ips@5MP	120ips@1080P, 72ips@3MP, 60ips@4MP, 48ips@5MP
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	8ch 1080p Synchronous Playback	4ch 1080p Synchronous Playback
Search Mode	Time-lapse, Event log, Motion, Text-in	Time-lapse, Event log, Motion, Text-in	Time-lapse, Event log, Motion, Text-in
Digital Zoom	x2 ~ x12	x2 ~ x12	x2 ~ x12
STORAGE			
HDD	SATA x2	SATA x2	SATA x2
Data Export Device	USB HDD, USB Stick	USB HDD, USB Stick	USB HDD, USB Stick
NETWORK			
Client Connection	Giga Ethernet x1	Fast Ethernet x1	Fast Ethernet x1
Transmission Speed	60ips@Full HD or 15ips@D1 per channel	30ips@Full HD per Channel, Same as Recording Stream	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	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	4 In / 1 Relay Out	8 In / 1 Relay Out	4 In / 1 Relay Out
Alarm Reset In	-	-	-
Serial Interface	RS232 / RS485 (Terminal Block), USB 2.0 x 2 (Front x 2)	RS232 / RS485(Terminal Block), USB 2.0 x 2 (Front x 2)	RS232 / RS485(Terminal Block), USB 2.0 x 2 (Front x 2)
GENERAL			
Operating System	Embedded Linux	Embedded Linux	Embedded Linux
Dimensions (W x H x D)	340mm x 46.5mm x 313.5mm (13.4" x 1.8" x 12.3")	300mm x 67mm x 243.6mm (11.8" x 2.6 x 9.6")	300mm x 67mm x 243.6mm (11.8" x 2.6 x 9.6")
Unit Weight	3.28 kg (with 2TB 2HDDs)	3.0 kg (with 2 2TB HDD)	2.72 kg (6lbs) (with 2 2TB HDD)
Operating Humidity	0% - 90%	0% - 90%	0% - 90%
Power Input	Adaptor : Input : 100-240V AC, 50/60Hz, 1.5A, Output : 12V DC, 5A	Adaptor : Input : 100-240V AC, 50/60Hz, 1.5A, Output : 12V DC, 5A	Adaptor : Input : 100-240V AC, 50/60Hz, 1.5A, Output : 12V DC, 5A
Power Consumption	12V=, 2A, 24W	12V=, 1.7A, 20.4W	12V=, 1.22A, 14.6W
Approvals	FCC, CE, KC	FCC, CE, KC	FCC, CE, KC

TR-1000 SERIES | IDIS Compact Solution

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



	TR-1208	TR-1204
Model Name		
VIDEO		
Video Inputs	8 BNC (Multistandard Analog)	4 BNC (Multistandard Analog)
Supported Camera Types	720P25, 720P30, 1080P25, 1080P30, CVBS (NTSC / PAL)	
Video Outputs	1 HDMI, 1 VGA	
Display Resolution	HDMI / VGA : 1920 x 1080, 1440 x 900, 1280 x 1024	
Display Speed	Up to 240ips	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	
Frame Rate	240ips @ 1080P	120ips @ 1080P
Recording Mode	Time-Lapse, Event, Pre-Event, Panic	
Trigger Events	Motion detection, Video loss	
PLAYBACK		
Performance	2ch 1080P / 8ch D1 synchronous playback	1ch 1080P / 4ch D1 synchronous playback
Search Mode	Time-lapse, Event log, Motion	
Digital Zoom	x2 ~ x12	
STORAGE		
HDD	SATA x1	SATA x1
Data Export Device	USB HDD, USB Stick	
NETWORK		
Client Connection	Fast Ethernet x1	
Transmission Speed	30ips@Full HD per channel, shared with recording	
Client Viewer	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	
GENERAL		
Operating System	Embedded Linux	
Dimensions (W x H x D)	205mm x 223.4mm x 44.5mm (8.07" x 8.80" x 1.75")	205mm x 44.5mm x 223.4mm (8.07" x 1.75" x 8.80")
Unit Weight	1.24kg (2.73lb) (with 1 HDD)	1.12kg (2.47lb) (with 1 HDD)
Operating Humidity	0% - 90%	0% - 90%
Power Input	Adaptor Input : 100-240V AC, 50/60Hz, 1.2A, Output : 12V DC, 3A	
Power Consumption	12V=, 1.11A, 13.32W	12V=, 0.88A, 10.6W
Approvals	FCC, CE, KC	





HD-TVI ANALOG CAMERAS

Overlapped Recording

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






HD-TVI DOME CAMERAS

	TC-D5531RX	TC-D5532WRX	TC-D5532RX	TC-D5511RX
Model Name	 SMP	 SMP	 SMP	 SMP
VIDEO				
Image Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor
Max. Resolution	2592 x 1944	2592 x 1944	2616 x 1964	2592 x 1944
Scanning Mode	Progressive Scan	Progressive Scan	Progressive Scan	Progressive Scan
Frame Rate	TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video)	TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video)	TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video)	TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video)
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Fixed-focal
Focal Length	f = 3.0mm - 13.5mm	f = 3.0mm - 13.5mm	f = 3.0mm - 13.5mm	f = 2.8mm
Iris Control	DC IRIS	DC IRIS	DC IRIS	Fixed Iris
Angular Field of View	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38°(D)	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38°(D)	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38°(D)	104.8° (H) 76.9°(V) 130°(D)
Pan / Tilt Range	Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177°	Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177°	Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177°	Pan : -170° ~ 170° Tilt : -5° ~ 67.5° Rotate: -109° ~ 109°
Min. Illumination	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)	COLOR : 0.13 Lux @ F1.4 B/W : 0 Lux (IR LED ON)	Color : 0.15 Lux @ F 2.0 B/W : 0 Lux (IR LED ON)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	30 m / 98.4 ft (4 ea)	30 m / 98.4 ft (4 ea)	30 m / 98.4 ft (4 ea)	20 m / 65.6 ft (4 ea)
Video Out	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)
FUNCTION				
Sens-Up	Off / x2 ~ x32	Off / x2 ~ x32	Off / x2 ~ x32	Off / x2 ~ x32
Wide Dynamic Range (WDR)	Off / Frame / Line (Low, Middle, High) ROI Mode Availale	Off / Frame / Line (Low, Middle, High) ROI Mode Availale	Off / Frame / Line (Low, Middle, High) ROI Mode Availale	Off / Frame / Line (Low, Middle, High) ROI Mode Availale
Backlight Compensation (BLC)	Off / On	Off / On	Off / On	Off / On
HLC	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable (All Day / Night Only)
Privacy Masking	Off / On (24 Zone) BOX:16 POLYGON:8	Off / On (24 Zone) BOX:16 POLYGON:8	Off / On (24 Zone) BOX:16 POLYGON:8	Off / On (24 Zone) BOX:16 POLYGON:8
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable	0 ~ 20 Level Adjustable	0 ~ 20 Level Adjustable	0 ~ 20 Level Adjustable
Digital Noise Reduction	Off / Low / Middle / High	Off / Low / Middle / High	Off / Low / Middle / High	Off / Low / Middle / High
De-Fog	Off / On	Off / On	Off / On	Off / On
Language	ENG / CHN / CHN(S) / JPN / KOR	ENG / CHN / CHN(S) / JPN / KOR	ENG / CHN / CHN(S) / JPN / KOR	ENG / CHN / CHN(S) / JPN / KOR
Menu Control	OSD Button, TVI / AHD Coaxial Protocol	OSD Button, TVI / AHD Coaxial Protocol	OSD Button, TVI / AHD Coaxial Protocol	OSD Button, TVI / AHD Coaxial Protocol
ENVIRONMENTAL				
Outdoor Ready	-	IP67, IK10	-	-
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%)	-10°C ~ +55°C (14°C ~ +131°C) (Humidity : 0% ~ 90%)	-10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%)	-10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%)
MECHANICAL				
Dimensions (W x H x D)	Ø122mm x 103.4mm (4.8" x 4.07")	Ø155mm x 105mm (6.1" x 4.13")	Ø122mm x 103.4mm (4.8" x 4.07")	Ø110mm x 78mm (4.33" x 3.07")
ELECTRICAL				
Power Source	DC 12V	DC 12V, AC 24V	DC 12V, AC 24V	DC 12V
Power Consumption	6.6W	DC 12V/8W, AC 24V/ 8.3W	DC 12V/8W, AC 24V/ 8.3W	3.4W




HD-TVI DOME CAMERAS

Model Name	2MP		
	TC-D4222RX	TC-D4222WRX	TC-D4211RX (2.8mm / 4.0mm)
			
VIDEO			
Image Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080
Scanning Mode	Progressive Scan	Progressive Scan	Progressive Scan
Lens Type	Vari-focal	Vari-focal	Fixed-focal
Focal Length	f = 2.8mm - 12mm	f = 2.8mm - 12mm	f = 2.8mm / 4.0mm
Iris Control	ELC	DC Auto Iris	Fixed Iris
Angular Field of View	Wide : 95.1°(H), 50.8°(V), 110.6°(D) Tele : 35.6°(H), 20.0°(V), 40.8°(D)	Wide : 95.1°(H), 50.8°(V), 110.6°(D) Tele : 35.6°(H), 20.0°(V), 40.8°(D)	106.5°(H), 57.5°(V), 122.7°(D) (2.8mm) 82.7°(H), 44.2°(V), 97.1°(D) (4.0mm)
Pan / Tilt Range	Pan : 0° ~ 360° Tilt : -5° ~ 55° Rotate: 0° ~ 360°	Pan : 0° ~ 360° Tilt : -5° ~ 55° Rotate: 0° ~ 360°	Pan : 0° ~ 360° Tilt : 7° ~ 90° (2.8mm) Pan : 0° ~ 360° Tilt : -5° ~ 60° Rotate: 0° ~ 360°(4.0mm)
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 @ F 1.6 B/W : 0 Lux (IR LED On)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	30 m / 98.4 ft (24ea)	30 m / 98.4 ft (24 ea)	15 m / 49.2 ft (24ea)
Video Out	1 HD BNC, 1 SD BNC	1 HD BNC, 1 SD BNC	1 HD BNC
FUNCTION			
Sens-Up	Off / x2 ~ x32	Off / x2 ~ x32	Off / x2 ~ x32
Wide Dynamic Range (WDR)	Off / On (Low, Middle, High)	Off / On (Low, Middle, High)	Off / On (Low, Middle, High)
Backlight Compensation (BLC)	Off / On	Off / On	Off / On
HLC	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable (All Day / Night Only)
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable	0 ~ 20 Level Adjustable	0 ~ 20 Level Adjustable
Digital Noise Reduction	Off / Low / Middle / High	Off / Low / Middle / High	Off / Low / Middle / High
De-Fog	Off / On	Off / On	Off / On
ENVIRONMENTAL			
Outdoor Ready	-	IP66, IK10	-
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%)	-10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%)	-10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%)
MECHANICAL			
Dimensions (W x H x D)	Ø133mm x 104mm (Ø5.24" x 4.09")	Ø136mm x 111mm (Ø5.35" x 4.37")	Ø112.1mm x 88.3mm (Ø4.41" x 3.48")
ELECTRICAL			
Power Source	12VDC, 24VAC	12VDC, 24VAC	12VDC
Power Consumption	6W	6W	5W

HD-TVI BULLET CAMERAS

Model Name	5MP		
	TC-T5532WRX	TC-T5531WRX	TC-T5511WRX (4.0mm / 6.0mm)
	 5MP	 5MP	 5MP
VIDEO			
Image Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor
Max. Resolution	2592 x 1944	2592 x 1944	2592 x 1944
Scanning Mode	Progressive Scan	Progressive Scan	Progressive Scan
Frame Rate	TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video)	TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video)	TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video)
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Fixed-focal
Focal Length	f = 3.0mm - 13.5mm	f = 3.0mm - 13.5mm	f = 4.0mm / 6.0mm
Aperture	F 1.4 - 3.2	F 1.4 - 3.2	
Iris Control	DC Auto IRIS	DC Auto IRIS	Fixed Iris
Angular Field of View	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38°(D)	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38°(D)	f=4.0mm : 79.2° (H) 56.6°(V) 103°(D) f=6.0mm : 49.9° (H) 37°(V) 63.6°(D)
Min. Illumination	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)	f=4.0mm : Color : 0.17 Lux @ F1.6, B/W : 0 Lux (IR LED ON) f=6.0mm : Color : 0.11 Lux @ F1.6, B/W : 0 Lux (IR LED ON)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	30m / 98.4ft (4ea)	30m / 98.4ft (4ea)	20m / 65.6ft (4ea)
Video Out	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)
FUNCTION			
Sens-Up	Off / x2 ~ x32	Off / x2 ~ x32	Off / x2 ~ x8
Wide Dynamic Range (WDR)	Off / Frame / Line (Low, Middle, High) ROI Mode Available	Off / Frame / Line (Low, Middle, High) ROI Mode Available	Off / Frame / Line (Low, Middle, High) ROI Mode Available
Backlight Compensation (BLC)	Off / On	Off / On	Off / On
HLC	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable (All Day / Night Only)
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable	0 ~ 20 Level Adjustable	-
Digital Noise Reduction	Off / Low / Middle / High	Off / Low / Middle / High	2D + 3DNR (Off / Low / Middle / High)
De-Fog	Off / On	Off / On	Off / On
Language	ENG / CHN / CHN(S) / JPN / KOR	ENG / CHN / CHN(S) / JPN / KOR	ENG / CHN / CHN(S) / JPN / KOR
Menu Control	OSD Button, TVI / AHD Coaxial Protocol	OSD button, TVI / AHD coaxial protocol	OSD button, TVI / AHD coaxial protocol
ENVIRONMENTAL			
Outdoor Ready	IP67, IK10	IP67, IK10	IP66
Storage Temperature	-20°C ~ +60°C (-4°F ~ +140°F) (Humidity : 0% ~ 95%)	-20°C ~ +60°C (-4°F ~ +140°F) (Humidity : 0% ~ 95%)	-20°C ~ +60°C (-4°F ~ +140°F) (Humidity : 0% ~ 95%)
Operating Temperature	-10°C ~ +55°C (14°F ~ +131°F) (Humidity : 0% ~ 90%)	-10°C ~ +55°C (14°F ~ +131°F) (Humidity : 0% ~ 90%)	-10°C ~ +55°C (14°F ~ +131°F) (Humidity : 0% ~ 90%)
MECHANICAL			
Dimensions (W x H x D)	80mm x 75mm x 237mm (3.15" x 2.95" x 9.33")	80mm x 75mm x 237mm (3.15" x 2.95" x 9.33")	70mm x 60mm x 182.7mm (2.75" x 2.36" x 7.19")
ELECTRICAL			
Power Source	DC 12V, AC 24V	DC 12V	DC 12V
Power Consumption	DC12V/8W, AC 24V/ 8.3W	6.6W	3.4W

HD-TVI BOX CAMERA

	5MP		2MP
	TC-B5502X	TC-B5501X	TC-B4202X
Model Name	 5MP	 5MP	 full HD 2MP
VIDEO			
Image Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor
Max. Resolution	2592 x 1944	2592 x 1944	1920X1080
Scanning Mode	Progressive Scan	Progressive Scan	Progressive Scan
Frame Rate	TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video)	TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video)	
Lens Type	Optional (C/CS Mount Lens)	Optional (C/CS Mount Lens)	Optional (C/CS Mount Lens)
Focal Length	-	-	
Iris Control	DC Auto Iris / ELC	DC Auto Iris / ELC	DC Auto Iris / ELC
Angular Field of View	-	-	
Pan / Tilt Range	-	-	
Min. Illumination	COLOR : 0.11 Lux @ F1.6 B/W : 0.06 Lux @ F1.6	Color : 0.11 Lux @ F1.3 B/W : 0.06 Lux @ F1.3	Color :0.1 Lux @ F1.4 B/W : 0.05 Lux @ F1.4
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	-	-	-
Video Out	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)
FUNCTION			
Sens-Up	Off / x2 ~ x32	Off / x2 ~ x32	Off / x2 ~ x32
Wide Dynamic Range (WDR)	Off / Frame / Line (Low, Middle, High) ROI Mode Available	Off / Frame / Line (Low, Middle, High) ROI Mode Available	OFF / ON (Low,Middle,High)
Backlight Compensation (BLC)	Off / On	Off / On	Off / On
HLC	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable (All Day / Night Only)
Privacy Masking	Off / On (24 Zone) BOX:16 POLYGON:8	Off / On (24 Zone) BOX:16 POLYGON:8	OFF/ON (16 Zone)
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable	0 ~ 20 Level Adjustable	0 ~ 20 Level Adjustable
Digital Noise Reduction	Off / Low / Middle / High	Off / Low / Middle / High	Off / Low / Middle / High
De-Fog	Off / On	Off / On	Off / On
Language	ENG / CHN / CHN(S) / JPN / KOR	ENG / CHN / CHN(S) / JPN / KOR	
Menu Control	OSD button, TVI / AHD coaxial protocol	OSD button, TVI / AHD coaxial protocol	
ENVIRONMENTAL			
Outdoor Ready	-	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%)	-10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%)	-10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%)
MECHANICAL			
Dimensions (W x H x D)	75.6mm x 61mm x 129.3mm (2.98" x 2.4" x 5.09")	75.6mm x 61mm x 129.3mm (2.98" x 2.4" x 5.09")	
ELECTRICAL			
Power Source	DC 12V, AC 24V	DC 12V	12VDC, 24VAC
Power Consumption	DC12V/3.2W, AC 24V/ 3.7W	1.8W	5W



 Largest Manufacturer of Video Surveillance Technology in Korea



IDIS DIRECTVIEW FULL HD VIDEO WALL MONITORS

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



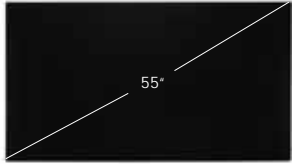
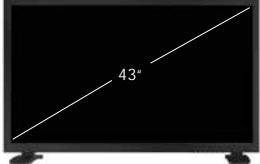
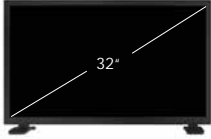
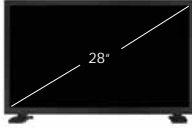

SECURITY MONITORS

Bringing You the Ultimate Surveillance Experience





Cutting-edge video wall monitor for surveillance control room






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-F432	SM-F322	SM-U282	SM-F212
Model Name					
PANEL					
Type	LED	LED	LED	LED	LED
Screen Size	55 Inch	43 Inch	32 Inch	28 Inch	21.5 Inch
Active Display Area	1,209.6mm(H) x 680.4mm(V)	941.184mm(H) x 529.416mm(V)	698.40mm(H) x 392.85mm(V)	648.90mm(H) x 369.30mm(V)	476.64mm(H) x 268.11mm(V)
Max. Resolution	1920 x 1080 @ 60Hz	1920 x 1080 @ 60Hz	1920 x 1080 @ 60Hz	3840 x 2160 @ 60Hz	1920 x 1080 @ 60Hz
Brightness	500cd/m ²	300cd/m ²	250cd/m ²	300cd/m ²	220cd/m ²
Contrast Ratio	1400:1	1200:1	1200:1	1000:1	1000:1
Viewing Angle(H/V)	178°/178°	178°/178°	178°/178°	170°/160°	170°/160°
Frequency(H/V)	31~67KHz / 49~60KHz	30~80KHz / 50~75KHz	30~80KHz / 50~75KHz	30~83KHz / 56~75KHz	30~80KHz / 50~75KHz
Response Time (G2G)	<8ms	<8ms	<6.5ms	<5ms	<5ms
INTERFACE					
Hybrid(AHD,TVI,CVI, CVBS) In/Out	-	1/1	1/1	-	-
HDMI In	2(HDMI 2.0 x 1, 1.4 x 1)	1	1	4(HDMI 2.0 x 1, 1.4 x 3)	1
Display Port	1(1.2 Ver.)	-	-	1(1.2 Ver.)	-
VGA Input	1	1	1	-	1
DVI In/Out	1/1*	-	-	-	-
Audio In/Out	-	1/1	1/1	0/1	1/0
BNC Video In/Out	-	1/1	1/1	-	1/1
RS232 In/Out	1/1(RJ45)	-	-	-	-
USB	1(S/W update)	-	-	-	-
GENERAL					
Outline Dimension(WxHxD)	1,213.4mmx684.2mmx121.85mm (47.77"x26.94"x4.79")	985.0mmx614.77mmx180.0 mm (38.78"x24.20"x7.09")	741.2mmx472.9mmx180.0 mm (29.18"x18.62"x7.09")	661.5mmx388.9mmx180.0 mm (26.04"x15.31"x7.09")	507.0mmx370.2mmx149.1mm (19.96"x14.56"x5.87")
Bezel width (Spec. for VideoWall)	3.5mm(Bezel to Bezel)	-	-	-	-
Net Weight/Gross Weight	27.5Kg(60.62lb)/35Kg(77.16lb)	15.6Kg(34.4lb)/19.5Kg(42.99lb)	12.5Kg(27.56lb)/15.6Kg(34.4lb)	8.5Kg(18.73lb)/10.5Kg(23.15lb)	3.8Kg(8.38lb)/4.8Kg(10.58lb)
Material/Color	Metal / Black	Metal / Black	Metal / Black	Metal / Black	Plastic / Black
Warranty-Parts/Labor	3 Year / 3 Year	3 Year / 3 Year	3 Year / 3 Year	3 Year / 3 Year	3 Year / 3 Year
MTBF	50,000 Hours	50,000 Hours(Panel)	50,000 Hours(Panel)	50,000 Hours(Panel)	50,000 Hours(Panel)
Power Supply	AC100~240V(50/60Hz)	AC100~240V(50/60Hz)	AC100~240V(50/60Hz)	DC 12V, 5A(AC100~240V[50/60Hz])	DC 12V, 3A(AC100~240V[50/60Hz])
Power Consumption - Typical	200W	67W	50W	35W	25.2W
- Stand by	<0.5W	<0.5W	<0.5W	<0.5W	<0.5W
Power Savings(DPMS)	Yes	Yes	Yes	Yes	Yes
Operating Temperature	0°~40°C(32°F~104°F)	-10°~50°C(14°F~122°F)	-10°~50°C(14°F~122°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)	-20°~60°C(-4°F~140°F)	-20°~60°C(-4°F~140°F)
Built-In Speaker	-	Yes(5Wx2)	Yes(5Wx2)	Yes(5Wx2)	Yes(3Wx2)
Remote Control	Yes	Yes	Yes	Yes	Yes
VESA Mount Size	600mm x 400mm / M6 x 12 Screws	300mm x 300mm / M6 x 10 Screws	200mm x 200mm / M6 x 10 Screws	100mm x 100mm / M4 x 6 Screws	100mm x 100mm / M4 x 6 Screws
Operation Hours	24/7	24/7	24/7	24/7	24/7
Prevent Burn-In	Yes	Yes	Yes	Yes	Yes


NETWORK ACCESSORIES


	Network Keyboard	Long Range PoE Extender	Ethernet Over Coax Device	Single Port PoE Injector	Single Port PoE Injector	Single Port PoE Repeater
	NK-1200	DA-LP1101R / DA-LP1101T	DA-EC3101R / DA-EC3101T	DA-PI2101	DA-PI PoE75U	DA-PR1101
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) 	<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 / IEEE802.3at for PoE Injector · Supports 1Gbps / IEEE802.3at / 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 75W of PoE Power · 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 · Support 10/100/1000 Base-T Lan environment 	<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-2010P	DH-2018P	DH-2212PF	DH-2328PF	DH-2026PF
Model Name					
Key Features	<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 	<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 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 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 data transmission to DirectIP NVR · PoE (IEEE 802.3af, IEEE 802.3at) compliant · Maximum per-device PoE delivery of 380W 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


NETWORK ACCESSORIES

		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-ES1104	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-22/41/42/61/62xx NVR	DR-2304P(-A)/08P(-A)/16P(-A), DR-4308P/16PS, DR-6308P(-S)/A/16PS(-S) A/32PS(-S), DR-2404P(-A), DR-6508P/16P/32P, TR-4408(R)/16(R) , DR-6308P(-S)/16PS(-S)/32PS(-S), IR-300	Up to 6TB: IR-100 Up to 10TB: DR-8364(F)(D)	Compatible Recorder :IR-300A			
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)	480mm x 44mm x 346mm (18.9" x 1.7" x 13.6")						
Weight	6.4kg (14.11lb)						
Operation Temperature	0°C ~ 45°C (32°F ~ 113°F)						
Power Input	100V ~ 240VAC, 0.6-0.3A, 50/60Hz						
Power Consumption	100-240V~, 50/60Hz, 0.6-0.3A, 40W						
Approvals	FCC, CE						

		Encoder	
		DE-1104, DE-1108	
Model Name			
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	30fps @ 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		

		HDMI/VGA Video Encoder	
		HE-1101	
Model Name			
Video codec	H.265, H.264, MIPEG, Intelligent Codec		
Max. Framerate	1920 x 1080 @ 30fps		
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)		
Network interface	1 x RJ45 (10/100)		
IP Camera Protocol	DirectIP, IDIS Protocol, 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		

		Decoder	
		DD-1216	
Model Name			
Video Compression	H.265, H.264		
Video Input	16ch IP		
Video Input Resolution	Up to 12MP		
Supported Devices	DirectIP NVR, IDIS IP Camera		
Video Outputs	1 HDMI, 1 VGA, 1 CVBS		
Display Resolution	HDMI, VGA : 3840 x 2160, 2560 x 1440, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200, 720 x 576, 420 x 480 CVBS : 640 x 480		
Display Speed	Up to 480fps		
Max. Network Throughput	90Mbps		
Network Connection	Gigabit Ethernet x 1		
PoE (Class)	Yes (IEEE 802.3af Class 3)		
Power Source	12VDC, PoE		
Power Consumption	12V =, 1.03A, 12.7W PoE, IEEE 802.3af (Class 3)		
Approvals	FCC, CE, KC		

		Alarm Box	
		AL-1112	
Model Name			
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	12VDC (300mA), 5VDC (400mA)		
Ethernet	10/100Mbps		
DirectIP Supported	Yes		
USB	Yes (Spare)		
PoE(class)	Yes (IEEE 802.3at Class 4)		
Power source	12VDC, 24VAC, 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		



IDIS SOLUTION SUITE

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

Administration

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

Monitoring

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

Streaming

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

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.

Redundant

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.

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, which also enables you to archive your video, while minimising network traffic during your 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

With the IDIS Solution Suite Video Wall service, you can address any camera from DirectIP NVRs, DirectCX TVRs, or DirectIP cameras recorded on the IDIS Solution Suite Recording server in a unified way using the network keyboard, NK-1100. Plus, you can furnish up to 384 monitors with the Video Wall service module.

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 centralised 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.

IDIS Client



IDIS CENTER

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



IDIS MOBILE

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



IDIS WEB

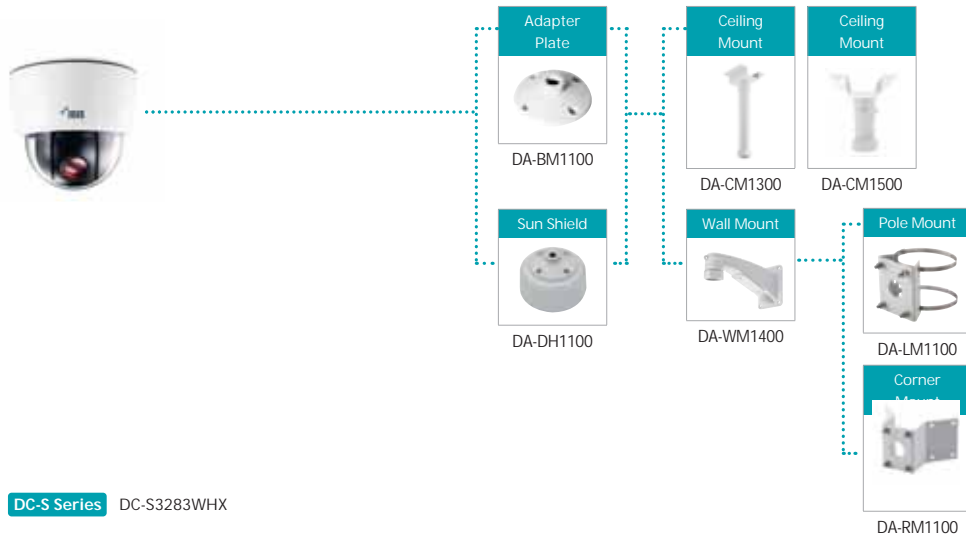
IDIS Web is a program that allows you to view and search video from remote locations over the Internet and can be accessed on a regular web browser. IDIS Web can be downloaded from web browsers in ActiveX format.



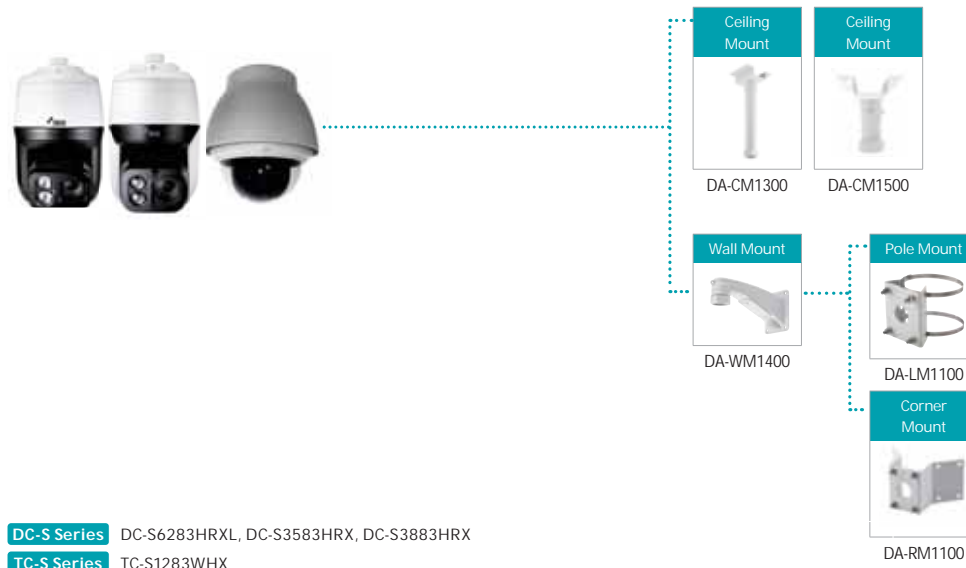
CAMERA CONFIGURATION TREE

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

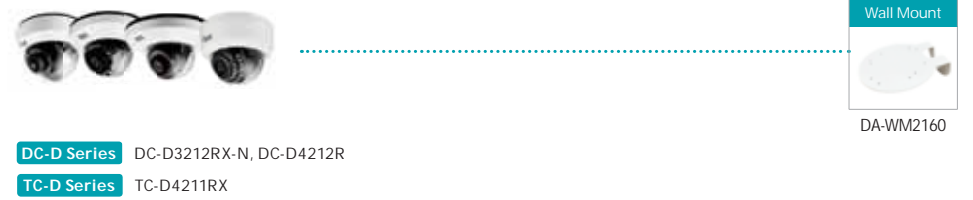
SPEED DOME (1)



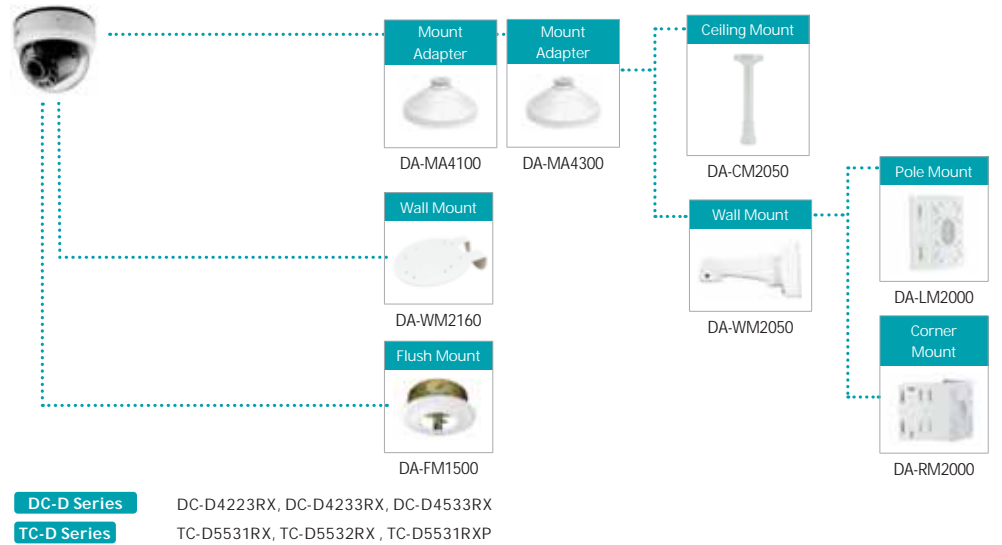
SPEED DOME (2)



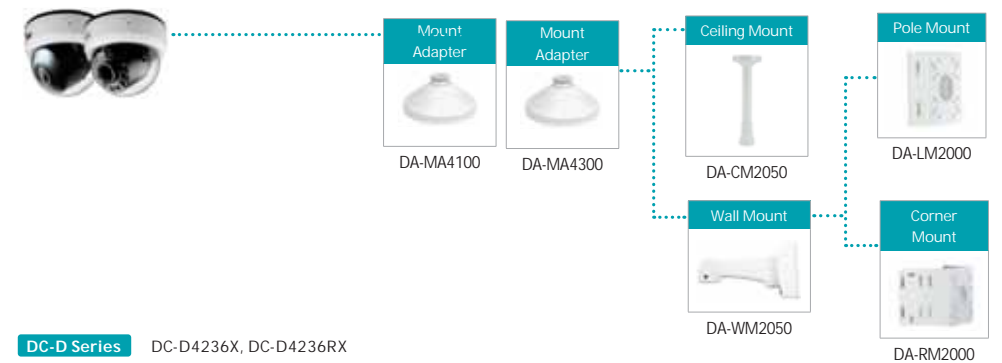
DOME (1)



DOME (2)



DOME (2-1)

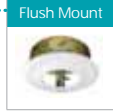


DOME (3)



Wall Mount

DA-WM2160



Flush Mount

DA-FM1500

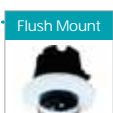
TC-D Series TC-D4222RX, TC-D4221RXP

DOME (4)



Wall Mount

DA-WM2160



Flush Mount

DA-FM4100

DC-D Series DC-D4213RX, DC-D4216X, DC-D4216RX, DC-D4513RX

TC-D Series TC-D5511RX

DOME (5)



Wall Mount

DA-WM4100

DC-D Series DC-C4212RX

DOME (6)



Mount Adapter

DA-MA4100



Mount Adapter

DA-MA4300



Ceiling Mount

DA-CM2050



Wall Mount

DA-WM2050



Junction Box

DA-JB4600



Junction Box

DA-JB4700



Pole Mount

DA-LM2000



Corner Mount

DA-RM2000

DC-D Series DC-D4213WRX, DC-D4216WRX, DC-D4513WRX, DC-D4811WRX

DOME (7)



Mount Adapter

DA-MA4100



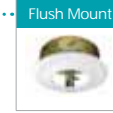
Mount Adapter

DA-MA4200



Ceiling Mount

DA-CM2050



Flush Mount

DA-FM1500



Wall Mount

DA-WM2050



Junction Box

DA-JB4600



Junction Box

DA-JB4700



Pole Mount

DA-LM2000

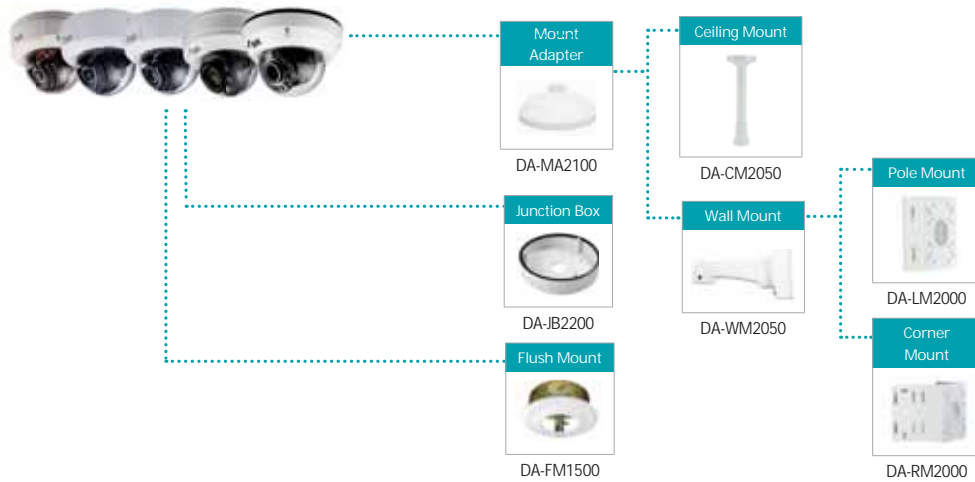


Corner Mount

DA-RM2000

TC-D Series TC-D4222WRX, TC-D4221WRXP

DOME (8)



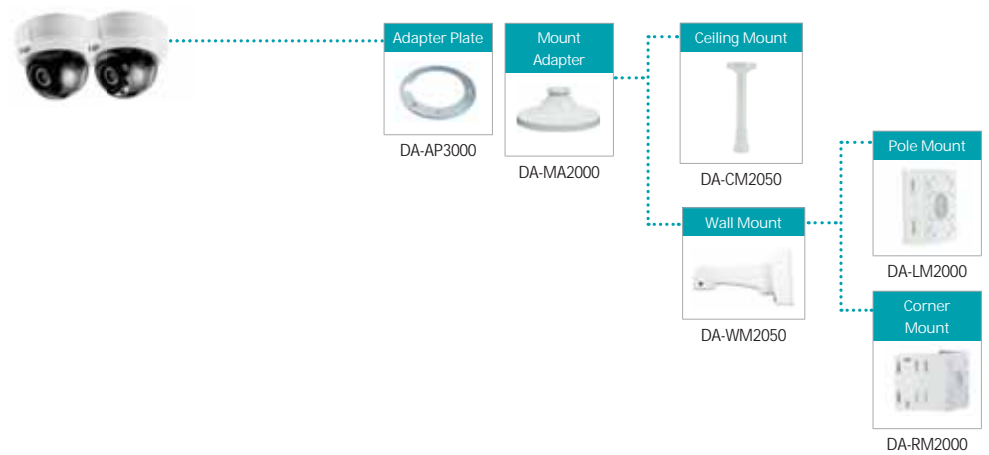
DC-D Series

DC-D3233WRX, DC-D4831HRX, DC-D4533HRX, DC-D4236HRX, DC-D4233HRX, DC-D4236WRX
DC-D4233WRX, DC-D4223WRX, DC-D3233RX, DC-D3233X

TC-D Series

TC-D5532WRX, TC-D5531WRX, TC-D5531WRXP

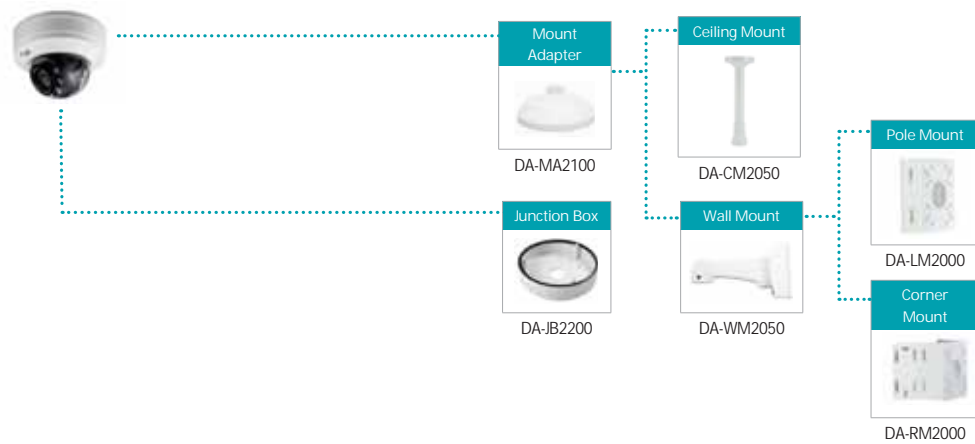
DOME (9)



DC-D Series

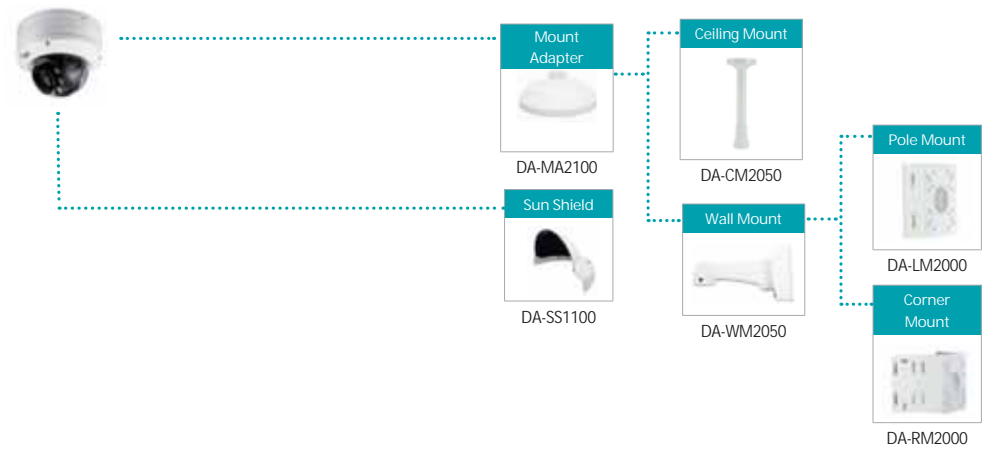
DC-D3233X-N, DC-D3233RX-N, DC-D6233X, DC-D6233RX

DOME (8-1)



DC-D Series DC-D3533RX

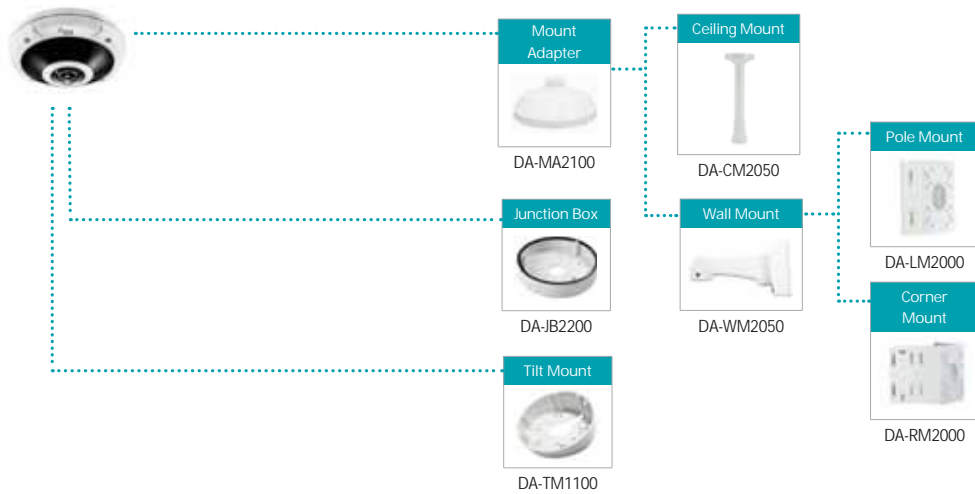
DOME (10)



DC-D Series

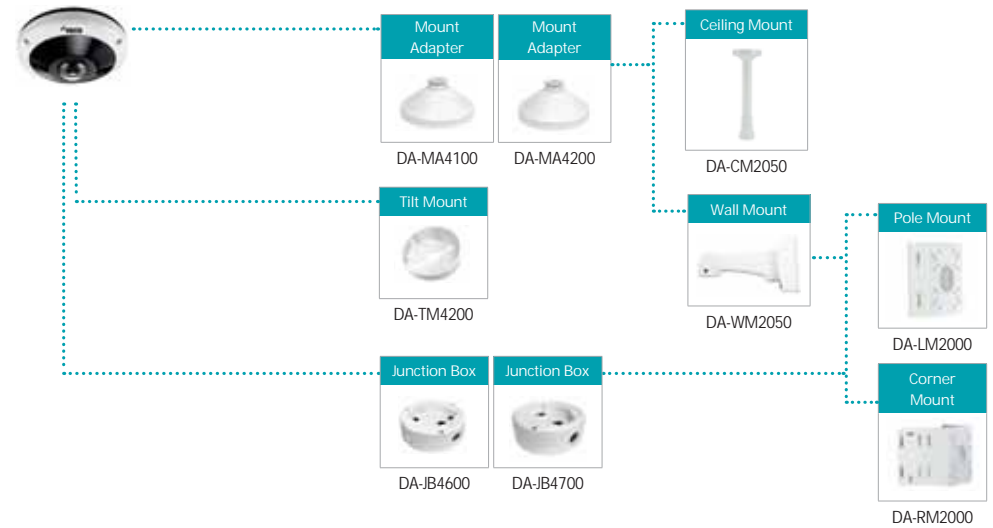
DC-D3C33HRX, DC-D3533HRX, DC-D3233HRXL / DC-D6233HRXL, DC-D3243HRX-N / DC-D6243HRX
DC-D3233HRX-N / DC-D6233HRX

FISHEYE (1)



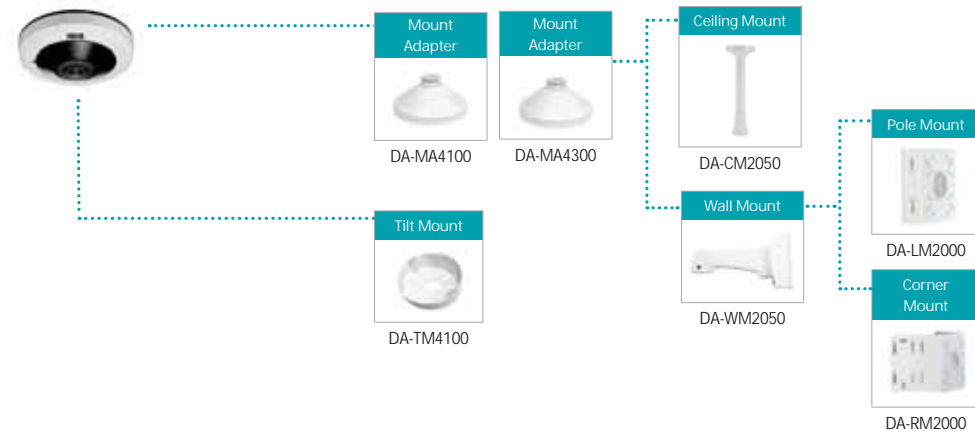
DC-Y Series DC-Y3C14WRX, DC-Y8C13WRX, DC-Y8C13RX

FISHEYE (3)



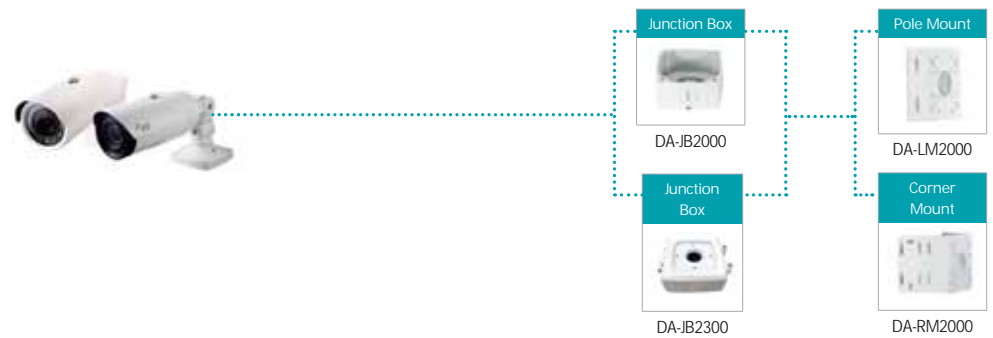
DC-Y Series DC-Y6513WRX

FISHEYE (2)



DC-Y Series DC-Y6513RX

BULLET (1)



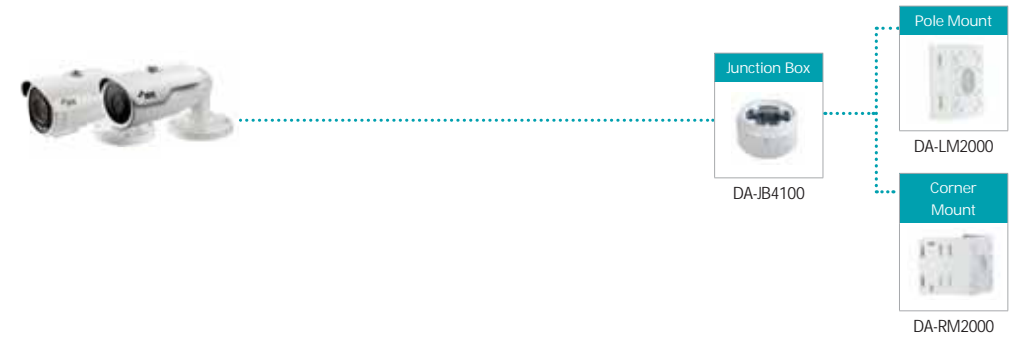
DC-T Series DC-T3533HRX, DC-T3233HRXL / DC-T6233HRXL, DC-T3233HRX / DC-T6233HRX, DC-T3243HRX / DC-T6243HRX, DC-T3234HRX / DC-T6234HRX

BULLET (2)



DC-T Series DC-T3C33HRX

BULLET (4)



TC-T Series TC-T4222WRX, TC-T4221WRXP

TC-E Series TC-E4211WRX

BULLET (3)

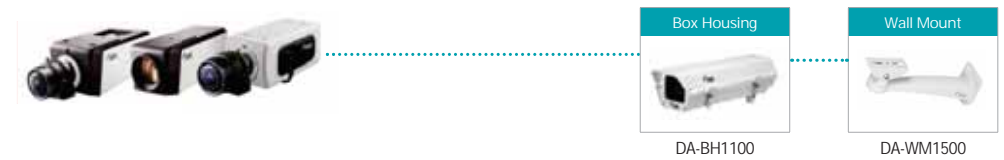


DC-E Series DC-E4513WRX, DC-E4216WRX, DC-E4213WRX

DC-T Series DC-T4831HRX, DC-T4533HRX, DC-T4236HRX, DC-T4233HRX, DC-T4236WRX, DC-T4233WRX, DC-T4811WRX

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

BOX / ZOOM



DC-B Series DC-B3303X, DC-B6203XL

DC-Z Series DC-Z1263

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

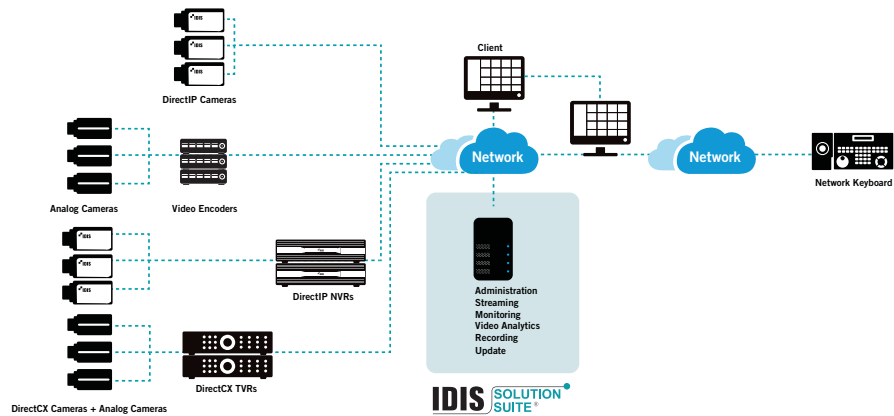


APPLICATIONS

APPLICATIONS

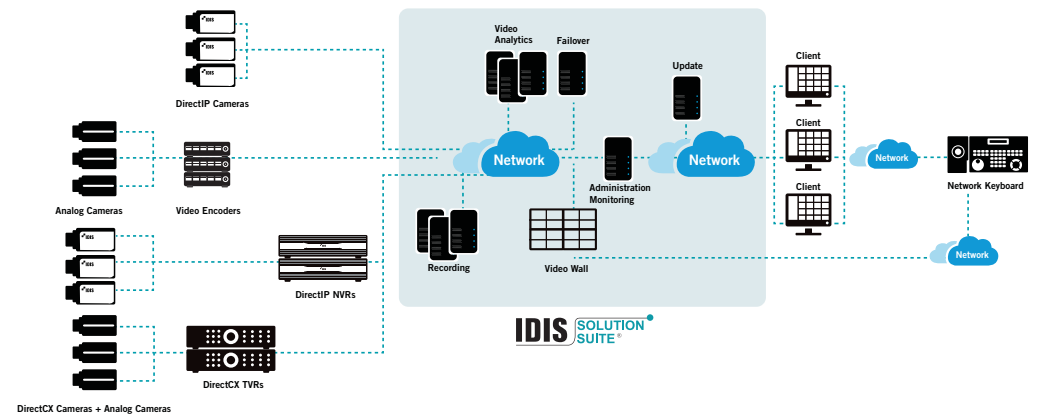
Small Business Installation

- Easy to install
- HD surveillance
- Affordable video solution



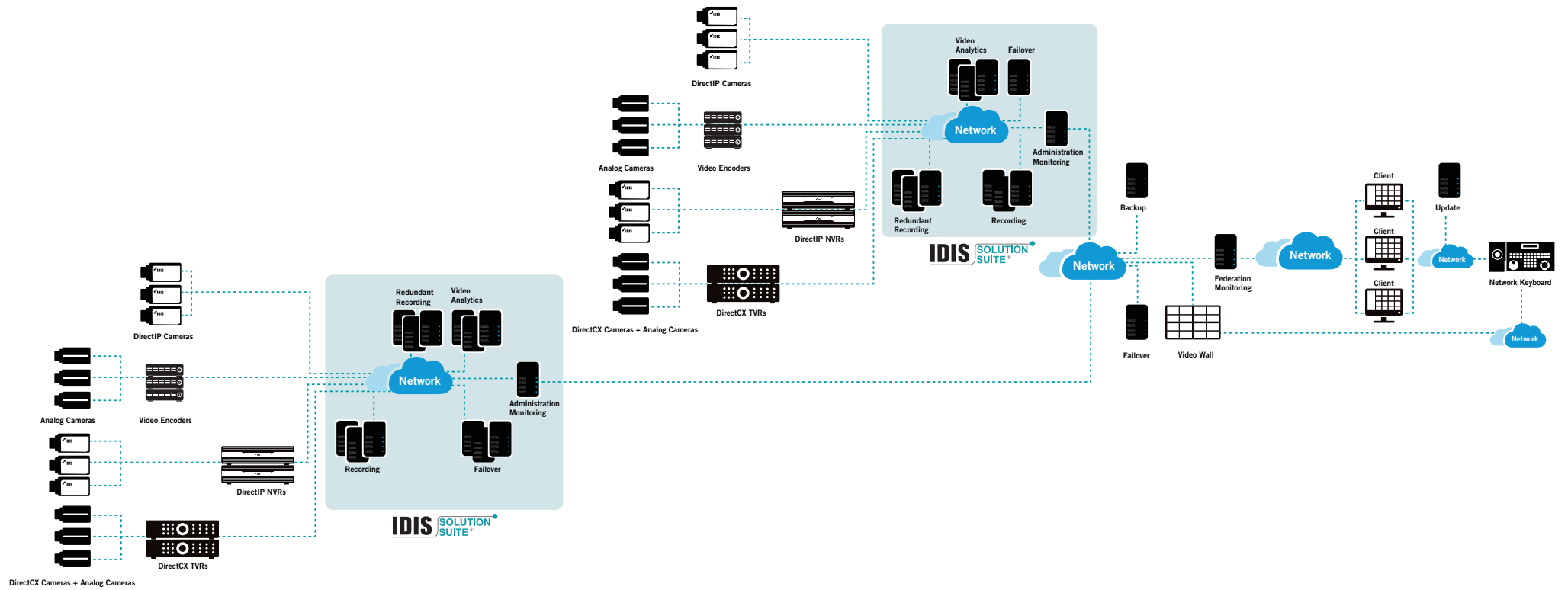
Medium Business Installation

- High performance
- Scalability with DirectIP Gigabit PoE Switch
- Cost effective
- One stop shop solution



Large Enterprise Installation

- Scalability with rich connectivity
- Flexibility enabling legacy and third-party system integration
- Simple integration with IDIS Center



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