IDIS® One Solution. One Company.



2021

IDIS NDAA-COMPLIANT LINEUP BROCHURE

The largest developer and manufacturer of surveillance technology in South Korea



NDAA Compliant



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.

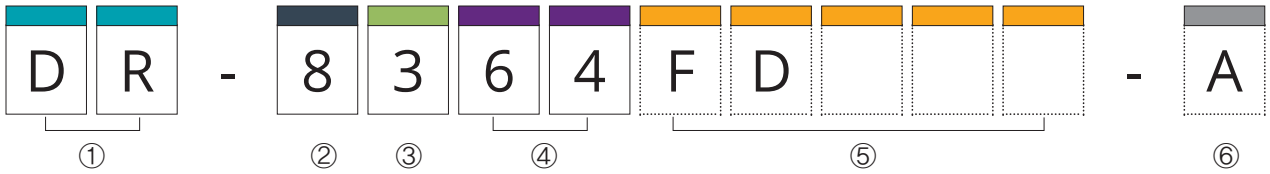
As the largest video surveillance manufacturer in South Korea, with headquarters and manufacturing facilities just outside of Seoul, IDIS operates across 50 countries and 100+ strategic partners. IDIS is a world-leading digital surveillance solution provider with more than two million recorders installed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



IDIS NAMING STRUCTURE

Network Video Recorder



① Product
DR : NVR
TR : DVR

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

③ Generation
1~9

④ Channel
01~99 : 01~99Ch

⑤ Extension

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

DVR	
PoC	P
RAID	R
Hybrid	H
Compact	C

⑥ Renewal Version

Pre-Installed VMS



① Product
IR : Pre-installed VMS
(Installed with iNEX)

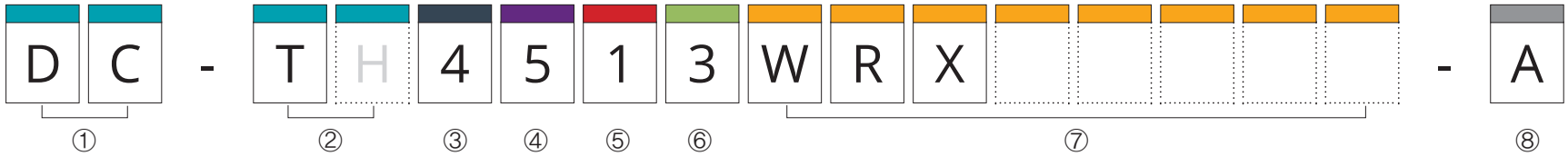
② Series
1~9

③ Generation
0 : Reserved
1~9

④ Channel

⑤ Renewal Version

Network Cameras



① Product
DC : IP Camera
TC : Analog Camera

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

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

④ Resolution
[IP-CAM, A-CAM]
0 : 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

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

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

⑧ Renewal Version

NDAA Compliant

IDIS and NDAA Compliant

(The National Defense Authorization Act)

NDAA Summary

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

IDIS Equipment

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

Category	Type	Models
Network Camera	Dome	DC-D4831HRX (-A) DC-D4811WRX (-A) (3.3mm) DC-D4536HRX (-A) DC-D4536RX (-A) DC-D4516WRX (-A) (2.8mm / 4.0mm) DC-D4236HRX (-A) DC-D4236WRX (-A) DC-D4236RX (-A) DC-D4216WRX (-A) (2.8mm) DC-D4216RX (-A) (2.8mm) DC-D4217RX (2.8mm, 4.0mm) DC-D4211CRX DC-D4531WERX DC-D4511WERX
	Bullet	DC-T4831HRX (-A) DC-T4811WRX (-A) (3.3mm) DC-T4536HRX (-A) DC-T4516WRX (-A) (2.8mm / 4.0mm / 6.0mm) DC-T4236HRX (-A) DC-T4236WRX (-A) DC-E4216WRX (-A) (2.8mm) DC-T4217WRX (-A) (2.8mm / 4.0mm / 6.0mm)
	PTZ	DC-S6286HRXL (-A) DC-S6261X (-A)
	Fisheye	DC-Y6C16WRX (-A) DC-Y6516WRX (-A)
Network Recorder	NVR	DR-6532P DR-6516P DR-6508P
Enterprise PC	Server PC	IR-300A IR-100 IR-1100



IDIS NDAA-COMPLIANT SURVEILLANCE SOLUTIONS

Korean-Made Video Tech That Users Can Trust

The range of IDIS plug-and-play video surveillance solutions encompasses high-performance network cameras and recorders, and now includes the award-winning IDIS 12MP Super Fisheye, which is perfect for indoor and wide-area surveillance for users of all sizes.

Made in KOREA

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.

Frustrated with your surveillance?



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-6500 SERIES

Model Name	DR-6532P	DR-6516P	DR-6508P
			
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 @ 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	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 2, USB 3.0 x 1		
GENERAL			
Operating System	Embedded Linux		
Dimensions (W x H x D)	430 mm x 88 mm x 412.8 mm (16.9" x 3.5" x 16.25")		
Unit Weight	6.75 kg (14.88 lb) (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		

ENTERPRISE NETWORK VIDEO RECORDERS

Preinstalled VMS with IDIS Workstation

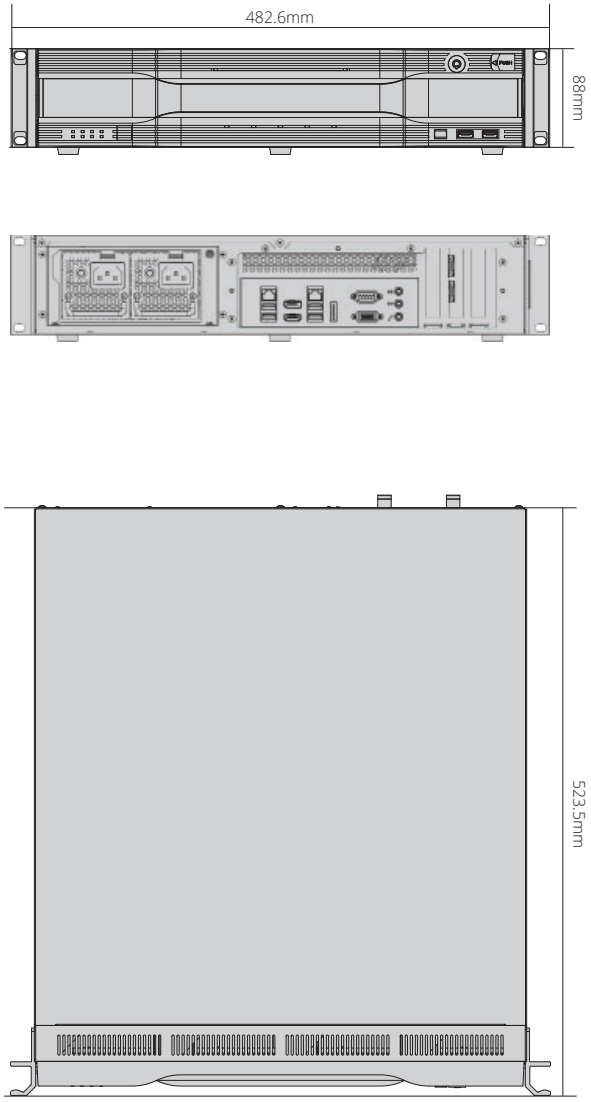
IR-300A | IDIS SOLUTION SUITE®



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
	USB	6 (2 Front USB 2.0 + 2 Back USB 3.0 + 2 Back USB 2.0)
	RS-232	1 (DB9)
	Optical Drive	-
MECHANICAL	Form Factor	2U Rack Mount Chassis
	Dimensions (W x D x H)	482.6 mm x 88 mm x 523.5 mm (19” x 3.5” x 20.6”)
	Weight	12.6 kg (27.8 lb)
ELECTRICAL	Power Input	AC 100-240V~, 50/60Hz, 6.0 - 3.0A (Redundant)
	Power Supply	Dual Power (Redundant SMPS)
	Power Consumption	190W
ENVIRONMENTAL	Operating Temperature	0° to 40°C (32°F to 104°F)
	Operating Humidity	0% to 90%
ACCESSORIES SUPPLIED	Power Cord	2
GENERAL	Certifications	FCC, CE, CB, UL, PSE

ENTERPRISE NETWORK VIDEO RECORDERS

Preinstalled VMS with IDIS Workstation

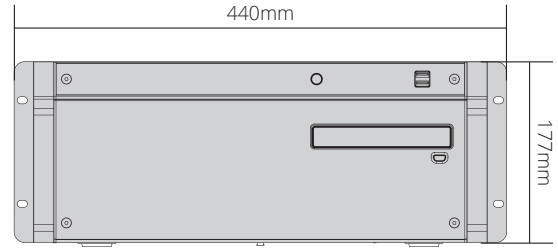
IR-100 | IDIS SOLUTION SUITE®

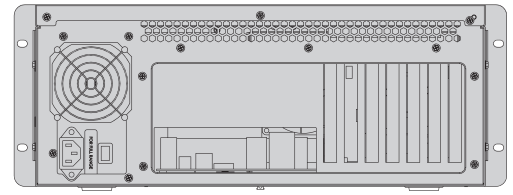


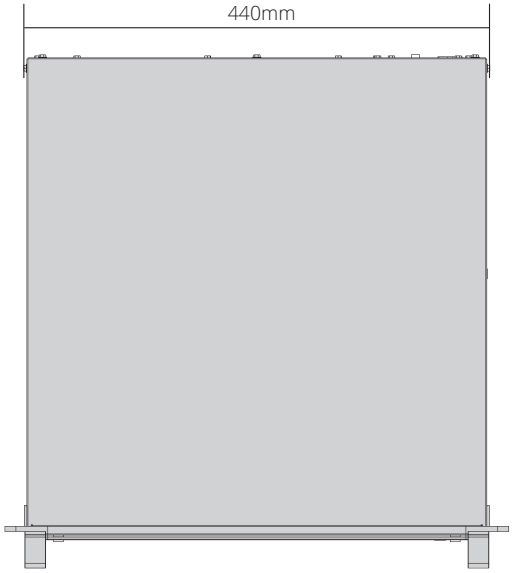
The IDIS Enterprise network video recorder (NVR) is designed with a perfect balance of performance, expandability, reliability, and manageability to provide an industry-leading, world-class security solution. It is built using best-in-class components that provide flexibility and scalability that are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







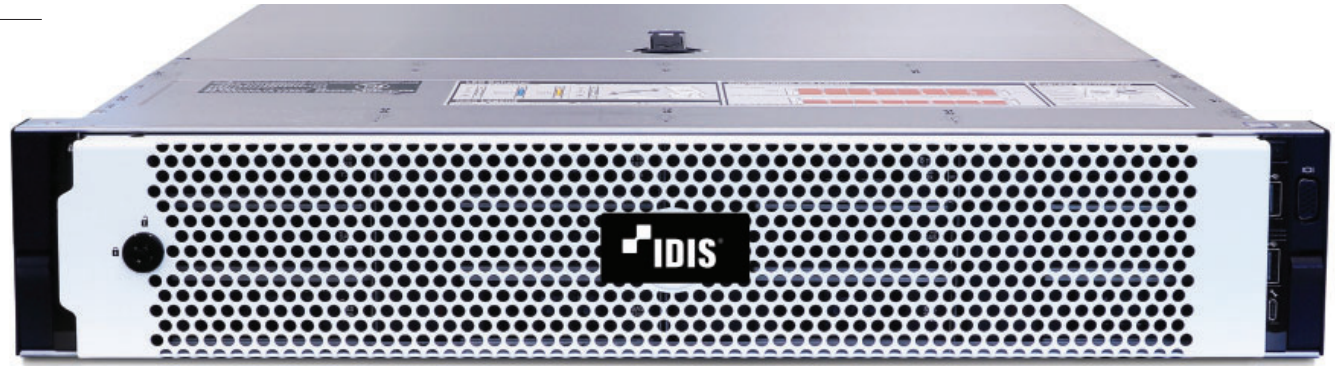
SPECIFICATIONS

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 Recommanded
	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
	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
MECHANICAL	Form Factor	4U Rack Mount Chassis
	Dimensions (W x D x H)	440 mm x 177 mm x 462 mm (17.3” x 7.0” x 18.2 ”)
	Weight	15.3 kg (33.7lb)
ELECTRICAL	Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
	Power Supply	Single Power
	Power Consumption	90W
ENVIRONMENTAL	Operating Temperature	5°C to 40°C (41°F to 104°F)
	Operating Humidity	0% to 90%
ACCESSORIES SUPPLIED	Power Cord	1
GENERAL	Approvals	FCC, CE, CB, UL

ENTERPRISE NETWORK VIDEO RECORDERS

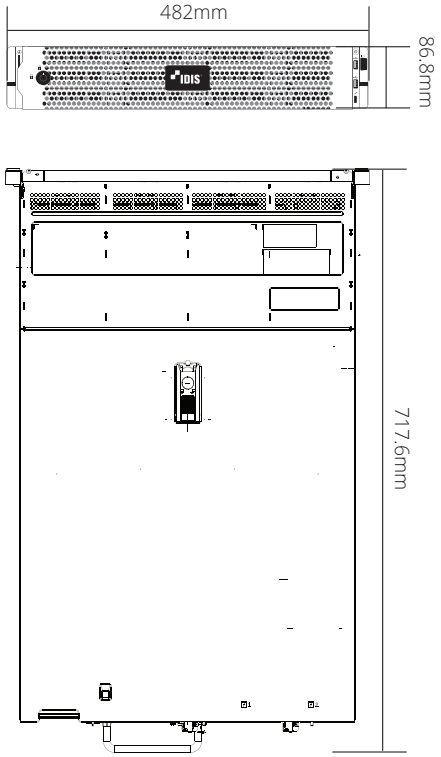
Preinstalled VMS with Server PC

IR-1100 | 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-100		
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 D x H)	482.0 mm x 717.6 mm x 86.8 mm (18.98" x 27.71" x 3.41")
	Weight	34.5 kg (76 lb)
ELECTRICAL	Power Input	100-240V AC, 50/60Hz
	Power Supply	Redundant, Hot Swappable
	Power Consumption	750W
ENVIRONMENTAL	Operating Temperature	10° to 35°C (50° to 95°F)
	Storage Temperature	-40° to 65°C (-40° to 149°F)
	Operating Humidity	10% to 80% Relative Humidity
	Non-operating Humidity	5% to 95% Relative Humidity, 38.7°C (101.7°F) Maximum Wet Bulb Temperature, Non-condensing
	Operating Vibration	0.26 Grms at 5 Hz to 350 Hz
	Storage Vibration	1.88 Grms at 10 Hz to 500 Hz for 15 min
	Operating Shock	Six consecutively executed shock pulses in the positive and negative x, y, and z axes of 6 G for up to 11ms
	Storage Shock	Six consecutively executed shock pulses in the positive and negative x, y, and z axes (one pulse on each side of the system) of 71 G for up to 2 ms
	Operating Altitude	3,048 m (10,000 ft)
	Storage Altitude	12,000 m (39,370 ft)
ACCESSORIES SUPPLIED	Rack Rail System	Sliding rail system with cable management arm. Supports
	Cable Management Arm	Yes
	Rack Bezel	1, Front
	Power Cord	1
GENERAL	Emissions Classification	FCC Rating Class A
	(EMC)	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

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.

DOME CAMERAS

Model Name	MFZ, 8MP	FIXED, 8MP	MFZ, 5MP		FIXED, 5MP
	DC-D4831HRX (-A)	DC-D4811WRX (-A) (3.3mm)	DC-D4536HRX (-A)	DC-D4536RX (-A)	DC-D4516WRX (-A) (2.8mm/4.0mm)
	 4K 8MP	 4K 8MP	 5M	 5M	 5M
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	3840 x 2160	3840 x 2160	2592 x 1944	2592 x 1944	2592 x 1944
Lens Type	Motorized Vari-focal	Fixed-focal	Motorized Vari-focal	Motorized Vari-focal	Fixed-focal
Focal Length	f = 2.7-13.5 mm	f = 3.3 mm	f = 3.0 -13.5 mm	f = 3.0 -13.5 mm	f = 2.8 mm , 4.0 mm
Aperture	F1.8 - 3.32	F2.0 (3.3 mm)	F1.4 - 3.2	F1.4 - 3.2	F2.0 (2.8 mm) , F2.15 (4.0 mm)
Iris Control	DC IRIS	Fixed IRIS	DC IRIS	DC IRIS	Fixed IRIS
Angular Field of View	Wide : 110.6º(H) 57.3º(V) 134.1º(D) Tele : 32.6º(H) 18.3º(V) 37.4(D)	101.3º (H) 54.5º(V) 119.7º(D) (f = 3.3 mm)	Wide : 91º(H) 66º(V) 120º(D) Tele : 31º(H) 23º(V) 38(D)	Wide : 91º(H) 66º(V) 120º(D) Tele : 31º(H) 23º(V) 38(D)	104.8º (H) 76.9º(V) 130º(D) (f = 2.8 mm) 79.2º (H) 56.6º(V) 103º(D) (f = 4.0 mm)
Pan / Tilt Range	Pan: -175° ~ 175° Tilt: 0° ~ 64° Rotate: -177° ~ 177°	Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109°	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 : 0.2 Lux @ F1.8 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.15 Lux @ F1.4 B/W : 0 Lux (IR LED On)	Color : 0.15 Lux @ F1.4 B/W : 0 Lux (IR LED On)	Color : 0.15 Lux @ F2.0 / B/W : 0 Lux (IR LED On) (f = 2.8 mm) Color : 0.15Lux @ F2.15 / B/W : 0 Lux (IR LED On) (f = 4.0 mm)
Dynamic Range	120dB (True WDR)	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 Cut Filter with Auto Switch
IR Distance (LEDs)	40 m / 131.2 ft (6ea)	30 m / 98.4 ft (4ea)	30 m / 98.4 ft (4ea)	30 m / 98.4 ft (4ea)	30 m / 98.4 ft (4ea)
Image Stabilizer	-	-	-	-	-
De-fog	No	No	No	No	No
Video Out	-	-	-	-	-
Video Compression	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP), M-JPEG	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 : 3840 x 2160 15ips : 3840 x 2160 (WDR)	30ips : 3840 x 2160 15ips : 3840 x 2160 (WDR)	4:3 mode : 30ips : 2592 x 1944(WDR) 16:9 mode : 30ips : 2592 x 1456(WDR)	4:3 mode : 30ips : 2592 x 1944(WDR) 16:9 mode : 30ips : 2592 x 1456(WDR)	4:3 mode : 30ips : 2592 x 1944 (WDR) 16:9 mode : 30ips : 2592 x 1456 (WDR)
Ethernet	RJ45 (10/100BASE-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)	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 *	1 / 1	1 / 1	1 (Built In MIC)+1 / 1	1 (Built In MIC)+1 / 1	1 / 1
Alarm In / Out	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Vandal Proof Casing	IK10	IK10	IK10	-	IK10
Outdoor Ready	IP67, Heater	IP67	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)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	Ø155 x 104.4 mm (Ø6.10" x 4.09")	Ø120.6 x 92.9 mm (Ø4.72" x 3.66")	Ø155 mm x 104.4 mm (Ø6.10" x 4.09")	Ø122.4 mm x 103.4 mm (Ø4.8" x 4.5")	Ø120.6 mm x 92.9 mm (Ø4.72" x 3.66")
Weight	1.02 kg (2.25 lb)	0.48 kg (1.06 lb)	1 kg (2.20 lb)	0.4 kg (0.88 lb)	0.48 kg (1.06 lb)
Power Source	PoE (IEEE 802.3af Class 3), DC12V	PoE (IEEE 802.3af Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	PoE (IEEE 802.3af Class 3)
Power Consumption	12V=, 1.2A, 14.4W PoE, IEEE 802.3af Class 3), 12.4W	PoE, (IEEE 802.3af Class 3), 9.0W	12V=, 1.1A, 13.2W PoE, IEEE 802.3af(Class 3), 11W	12V=, 1A, 12W PoE, IEEE 802.3af(Class 3), 9.5W	PoE, (IEEE 802.3af Class 3), 7.6W

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

DOME CAMERAS

Model Name	FIXED, 2MP			Micro Dome, FIXED, 2MP
	DC-D4216WRX (-A) (2.8mm)	DC-D4216RX (-A) (2.8mm)	DC-D4217RX (2.8mm, 4.0mm)	DC-D4211CRX
	 Full HD 2MP	 Full HD 2MP	 Full HD 2MP	 Full HD 2MP
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal
Focal Length	f = 2.8 mm	f = 2.8 mm	f=2.8 mm / 4.0 mm	f = 2.8 mm
Aperture	F2.0 (f = 2.8 mm)	F2.0 (f = 2.8 mm)	F2.0 (2.8 mm) / F1.6 (4.0 mm)	F2.0
Iris Control	Fixed Iris	Fixed IRIS	Fixed IRIS	Fixed IRIS
Angular Field of View	111.6º(H), 61.45º(V), 127.3º(D)	111.6º(H), 61.45º(V), 127.3º(D)	111.6º(H), 61.45º(V), 127.3º(D)	113.74º(H), 61.5º(V), 134.5º(D)
Pan / Tilt Range	Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109°	Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109°	Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109°	Pan: -170° ~ 170° Tilt: 0° ~ 65 Rotate: -90° ~ 90°
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 : 0.1 Lux @ F2.0 B/W : 0 Lux (IR LED On) (2.8 mm) Color : 0.07 Lux @ F1.6 B/W : 0 Lux (IR LED On) (4.0 mm)	Color : 0.1 Lux @ F2.0 B/W : 0 Lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	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)	30 m / 98.4 ft (4ea)	30 m / 98.4 ft (4ea)	20 m / 65.6 ft (4 ea) (f = 2.8 mm) 20 m / 65.6 ft (2 ea) (f = 4.0 mm)	15 m / 49.2 ft (1 ea)
Image Stabilizer	-	-	-	-
De-fog	-	-	-	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
Max. Frame Rate	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080	30ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
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)	-	-
Trigger Event *	Motion Detection Alarm in Audio detection * Tampering Trip Zone	Motion Detection Alarm in Audio detection * Tampering Trip Zone	Motion Detection Tampering Trip Zone	Motion Detection Tampering Trip Zone
Audio In / Out *	1 / 1	1(Built In MIC)+1 / 1	-	-
Alarm In / Out	1 / 1	1 / 1	-	-
Vandal Proof Casing	IK10	-	-	-
Outdoor Ready	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)	-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 92.9 mm (Ø4.72" x 3.65")	Ø110 x 88 mm (Ø4.33" x 3.46")	Ø130 x 81.4 mm (5.2"x 3.2")	Ø86 mm x 59 mm (Ø3.39" x 2.32")
Weight	0.465 kg (1.02 lb)	0.26 kg (0.57 lb)	0.242 Kg (0.53 lb)	0.10 kg (0.1lb)
Power Source	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)	PoE	PoE IEEE 802.3af (Class 2)
Power Consumption	PoE, IEEE 802.3af (Class 2), 4.6W	PoE, IEEE 802.3af (Class 2), 4.6W	PoE, IEEE 802.3af(Class 2), 3.8W	PoE, IEEE 802.3af(Class 2), 3.6W

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

DOME CAMERAS

Model Name	MFZ, 2MP			MFZ, 5MP	FIXED, 5MP
	DC-D4236HRX (-A)	DC-D4236WRX (-A)	DC-D4236RX (-A)	DC-D4531WERX	DC-D4511WERX
	 Full HD 2MP	 Full HD 2MP	 Full HD 2MP	 5M	 5M
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.7" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	2592 x 1944	2592 x 1944
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Fixed-focal
Focal Length	f = 2.8 - 12 mm	f = 2.8 - 12 mm	f = 2.8 - 12 mm	f = 2.7 - 12 mm	f = 2.8 mm
Aperture	F1.4(W) - F2.8(T)	F1.4(W) - F2.8(T)	F1.4(W) - F2.8(T)	F 1.83 (Wide) ~ 3.32(Tele)	F 1.6
Iris Control	DC IRIS	DC IRIS	DC IRIS	DC IRIS	Fixed IRIS
Angular Field of View	Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D)	Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D)	Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D)	99°(H), 72°(V), 131°(D)	99°(H), 72°(V), 131°(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°	Bracket: Pan 0-360° Lens: Pan 0-360° Tilt: 0-80°	Bracket: Pan 0-360° Lens: Pan 0-360° Tilt: 0-80°
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	Color 0.05 Lux @ F1.2 (AGC ON) B/W 0 Lux @ IR ON	Color 0.05 Lux @ F1.2 (AGC On) B/W 0 Lux @ IR On
Dynamic Range	120dB (True WDR)	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 Cut Filter with Auto Switch
IR Distance (LEDs)	30 m / 98.4 ft (6ea)	30 m / 98.4 ft (6ea)	30 m / 98.4 ft (6ea)	45 m (4 ea)	25 m (2 ea)
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	H.265, H.264(MP)	H.265, H.264(MP)
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	G711A (G.711 a-Law), G711U (G.711 u-Law), ADPCM 16K, G726	G711A (G.711 a-Law), G711U (G.711 u-Law), ADPCM 16K, G726
Max. Frame Rate	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080(WDR)	30ips : 2592 × 1944 (WDR)	30ips : 2592 × 1944 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	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)	Micro SD/SDHC/SDXC memory card (class 6 or higher, max. 256GB)	Micro SD/SDHC/SDXC memory card (class 6 or higher, max. 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 *	1 / 1	1 / 1	1 / 1	RCA 1ea / RCA 1ea	Internal MIC
Alarm In / Out	1 / 1	1 / 1	1 / 1	1 switch input / 0.5 A at 125 VAC/ 2A at 30 VDC	-
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)	-30°C ~ +55°C (-22°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F)
Dimensions (W x H x D)	Ø155 x 105 mm (Ø6.1" x 4.13")	Ø155 x 105 mm (Ø6.1" x 4.13")	Ø122 x 103.4 mm (Ø4.8" x 4.05")	Ø135.6 mm x 127 mm (Ø5.3" x 4.95")	90 mm x Ø100 mm (3.5" x Ø3.9")
Weight	0.99 kg (2.18 lb)	0.985 kg (2.17 lb)	0.37 kg (0.81 lb)	0.84 kg (1.85 lb)	0.53 kg (1.17 lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	DC 12V, POE (IEEE 802.3af Class 3)	DC 12V, 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	Max. 9W	Max. 6.5W

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

BULLET CAMERAS

Model Name	MFZ, 8MP	FIXED, 8MP	MFZ, 2MP	FIXED, 5MP
	DC-T4831HRX (-A)	DC-T4811WRX (-A) (3.3mm)	DC-T4536HRX (-A)	DC-T4516WRX (-A) (2.8mm/4.0mm/6.0mm)
	 4K 8MP	 4K 8MP	 5M	 5M
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	3840 x 2160	3840 x 2160	2592 x 1944	2592 x 1944
Lens Type	Motorized Vari-focal	Fixed-focal	Fixed-focal	Fixed-focal
Focal Length	f = 2.7-13.5 mm	f = 3.3 mm	f = 3.0-13.5 mm	f = 2.8 mm / 4.0 mm / 6.0 mm
Aperture	F1.8 - 3.32	F2.0 (3.3 mm)	F1.4 - 3.2	F 2.0 (2.8 mm) / F 2.15 (4.0 mm) / F 1.6 (6.0 mm)
Iris Control	DC IRIS	Fixed IRIS	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)	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38(D)	104.8°(H) 76.9°(V) 130°(D) (f = 2.8 mm) 79.2°(H) 56.6°(V) 103°(D) (f = 4.0 mm) 49.9°(H) 37°(V) 63.6°(D) (f = 6.0 mm)
Min. Illumination	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 : 0.15 Lux @ F2.0 / B/W : 0 Lux (IR LED On) (2.8 mm) Color : 0.15 Lux @ F2.15 / B/W : 0 Lux (IR LED On) (4.0 mm) Color : 0.15 Lux @ F1.6 / B/W : 0 Lux (IR LED On) (6.0 mm)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	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)	40 m / 131.2 ft (6ea)	30 m / 98.4 ft (4ea)	30 m / 98.4 ft (4ea)	30 m / 98.4 ft (4ea)
Image Stabilizer	-	-	-	-
De-Fog	No	No	No	No
Video Out	-	-	-	-
Video Compression	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG,	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	-
Max. Frame Rate	30ips : 3840 x 2160 15ips : 3840 x 2160 (WDR)	30ips : 3840 x 2160 15ips : 3840 x 2160 (WDR)	4:3 mode : 30ips : 2592 x 1944(WDR) 16:9 mode : 30ips : 2592 x 1456(WDR)	4:3 mode : 30ips : 2592 x 1944(WDR) 16:9 mode : 30ips : 2592 x 1456(WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (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	Motion Detection Alarm in Audio detection* Tampering Trip Zone	Motion Detection Alarm in Audio Detection * Tampering Trip Zone	Motion Detection Alarm in Audio Detection * Tampering Trip Zone
Audio In / Out *	1 / 1	1 / 1	1 / 1	1 / 1
Alarm In / Out	1 / 1	1 / 1	1 / 1	1 / 1
Vandal Proof Casing	IK10	IK10	IK10	IK10
Outdoor Ready	IP67, Heater	IP67	IP67, Heater	IP67
Operating Temperature	-40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F)	-20°C ~ +55°C(-22°F ~ +131°F) *Starting up at above 0°C (32°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Starting up at above 0°C (32°F)
Dimensions (W x H x D)	80 mm x 75 mm x 237 mm (3.15" x 2.95" x 9.33")	75 mm x 70 mm x 195.8 mm (2.95" x 2.75" x 7.7")	80 mm x 75 mm x 237 mm (3.15" x 2.95" x 9.33")	75 mm x 70 mm x 195.8 mm (2.95" x 2.75" x 7.71")
Weight	1.029 kg (2.26 lb)	0.655 kg (1.44 lb)	0.97 kg(2.14 lb)	0.66 kg (1.46 lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	PoE (IEEE 802.3af Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	PoE (IEEE 802.3af Class 3)
Power Consumption	12 V=, 1.1 A, 13.2 W PoE, IEEE 802.3af (Class 3), 11.7W	PoE, (IEEE 802.3af Class 3), 9.0W	12V=, 1.1A, 13.2W PoE, IEEE 802.3af(Class 3), 11W	PoE, IEEE 802.3af (Class 2), 7.9W

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

BULLET CAMERAS

Model Name	MFZ, 2MP		FIXED, 2MP	
	DC-T4236HRX (-A)	DC-T4236WRX (-A)	DC-E4216WRX (-A) (2.8mm)	DC-T4217WRX (-A) (2.8mm / 4.0mm / 6.0mm)
	 Full HD 2MP	 Full HD 2MP	 Full HD 2MP	 Full HD 2MP
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Fixed-focal	Fixed-focal
Focal Length	f = 2.8 - 12mm	f = 2.8 - 12 mm	f = 2.8 mm	f = 2.8 mm / 4.0 mm / 6.0 mm
Aperture	F1.4 - 2.8	F1.4 - 2.8	F 2.0	F 2.0 (2.8 mm) / F 1.6 (4.0 mm, 6.0 mm)
Iris Control	DC IRIS	DC IRIS	Fixed IRIS	Fixed IRIS
Angular Field of View	Wide : 98º (H) 51º (V) 116º (D) Tele : 33º (H) 19º (V) 38º (D)	Wide : 98º (H) 51º (V) 116º (D) Tele : 33º (H) 19º (V) 38º (D)	111.6º(H), 61.45º(V), 127.3º(D)	111.6º(H), 61.45º(V), 127.3º(D) (f = 2.8 mm) 87.4º(H), 46.9º(V), 103.5º(D) (f = 4.0 mm) 53.5º(H), 29.5º(V), 62.1º(D) (f = 6.0 mm)
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 @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F2.0 / B/W : 0 Lux (IR LED On) (2.8 mm) Color : 0.07 Lux @ F1.6 / B/W : 0 Lux (IR LED On) (4.0 mm) Color : 0.07 Lux @ F1.6 / B/W : 0 Lux (IR LED On) (6.0 mm)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	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)	30 m / 98.4 ft (6ea)	30 m / 98.4 ft (6ea)	30 m / 98.4 ft (4 ea)	20 m / 65.6 ft (2 ea)
Image Stabilizer	-	-	-	-
De-Fog	-	-	-	-
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	-
Max. Frame Rate	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)
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)	-
Trigger Event *	Motion Detection Alarm in Audio Detection * Tampering Trip Zone	Motion Detection Alarm in Audio Detection * Tampering Trip Zone	Motion Detection Alarm in Audio Detection * Tampering Trip Zone	Motion Detection Tampering Trip Zone
Audio In / Out *	1 / 1	1 / 1	1 / 1	-
Alarm In / Out	1 / 1	1 / 1	1 / 1	-
Vandal Proof Casing	IK10	IK10	IK10	IK10
Outdoor Ready	IP67, Heater	IP67	IP67	IP66
Operating Temperature	-40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	Ø 77 mm X 244.1 mm (Ø3.0" x 9.61")	Ø 77 mm X 244.1 mm (Ø3.0" x 9.61")	Ø75 mm x 70 mm x 195.8 mm (2.95" x 2.75" x 7.7")	Ø70.1 mm x 65.0 mm x 182.7 mm (2.75" x 2.56" x 7.2")
Weight	0.84 kg (1.85 lb)	0.84 kg (1.85 lb)	0.655 kg (1.44 lb)	0.340 Kg (0.75 lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)
Power Consumption	12V=, 0.78A, 9.3W PoE, IEEE 802.3af (Class 3), 8.5W	12V=, 0.78A, 9.3W PoE, IEEE 802.3af (Class 3), 8.5W	PoE, IEEE 802.3af (Class 2), 6.1W	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.







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).

FISHEYE CAMERAS

Model Name	FIXED, 12M DC-Y6C16WRX (-A)  12M	FIXED, 5M DC-Y6516WRX (-A)  5M
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 = 1.6 mm	f = 1.5 mm
Aperture	F2.0	F1.8
Iris Control	Fixed IRIS	Fixed IRIS
Angular Field of View	180º(H), 180º(V), 180º(D)	180º(H), 180º(V), 180º(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)	15 m / 49.2 ft (4ea)	20 m / 65.6 ft (4ea)
Image Stabilizer	-	-
Viewing Composition	1O, 1P, 1P2R, 2P, 4R, 1O7R	1O, 1P, 1P2R, 2P, 4R, 1O7R
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 (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 *	1(Built In MIC)+1 / 1	1(Built In MIC)+1 / 1
Alarm In / Out	1 / 1	1 / 1
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 mm x 56.9 mm (Ø5.31" x 2.24")	Ø135 mm x 56.9 mm (Ø5.31" x 2.24")
Weight	0.67 kg (1.47 lb)	0.67 kg (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.

SPEED DOME CAMERAS

Model Name	MFZ, 2MP, 36x Outdoor DC-S6286HRXL (-A)	MFZ, 2MP, 12x Indoor DC-S6261X (-A)
	IDIS LightMaster, Full HD 2MP 	Full HD 2MP 
Image Sensor	1/2" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080
Lens Type	AF Zoom Lens	AF Zoom Lens
Focal Length	f = 6 - 216 mm	f = 5.3 - 64 mm (12x)
Aperture	F1.36 - 4.6	F1.6 - 2.8
Iris Control	DC Auto IRIS (Hall Sensor)	DC Auto IRIS (Hall Sensor)
Angular Field of View	Wide : 57.36°(H), 33.12°(V), 65.18°(D) Tele : 1.92°(H), 1.08°(V), 2.2°(D)	Wide : 58.2°(H), 34°(V), 65.3°(D) Tele : 4.83°(H), 2.8°(V), 5.7°(D)
Min. Illumination	Color : 0.02 Lux @ F1.36 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.6 B/W : 0.01 Lux @ F1.6
Dynamic Range	120dB (True WDR)	120dB (True WDR)
IR Distance (LEDs)	350 m / 1,148.2 ft (2ea)	-
Image Stabilizer	Yes (EIS)	Yes (EIS)
Auto Tracking	No	No
Video Out	1 Terminal Block	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported
Audio Compression *	ADPCM 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 Rate6	30ips : 1920 x 1080(WDR)	30ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-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 *	1 / 1	1 / 1
Alarm In / Out	8 / 2	1 / 1
Vandal Proof Casing	IK10	-
Outdoor Ready	IP66, Heater	-
Operating Temperature	-40°C ~ +55°C *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)	Ø242 mm x 401.8 mm (Ø9.52" x 15.82")	Ø155 mm x 158.1 mm (Ø6.1" x 6.22")
Weight	6.7 kg (14.77 lb)	1.0 kg (2.20 lb)
Power Source	24VAC, PoE (75W)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	HEATER / IR OFF 24V~, 1.6A, 26.2W, 50/60Hz High-PoE, 50-57V, 23.6W HEATER / IR ON 24V~, 2.3A, 39.6W, 50/60Hz High-PoE, 50-57V, 35.6W	12VDC, 9.2W / PoE (IEEE 802.3af Class 3), 10W

Integrated VMS Solution



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.



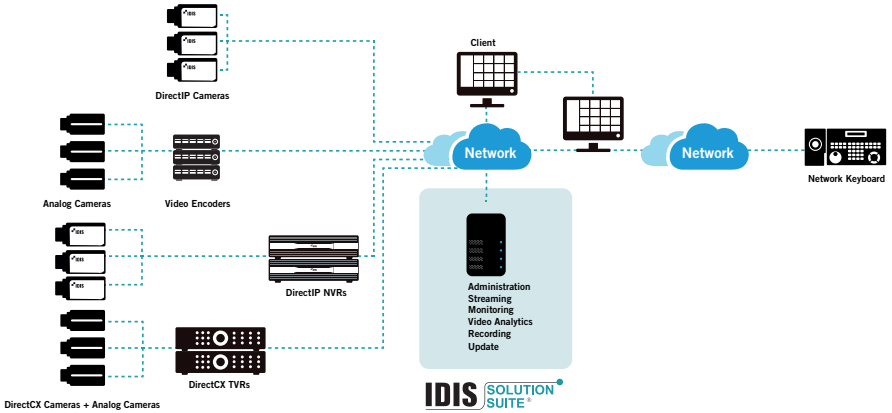
IDIS WEB

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.

APPLICATIONS

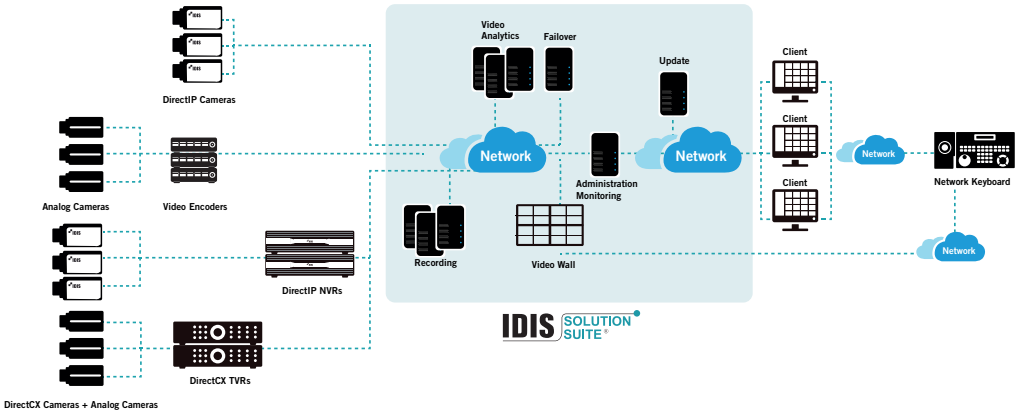
Small Business Installation

- Easy to install
- HD surveillance
- Affordable video solution



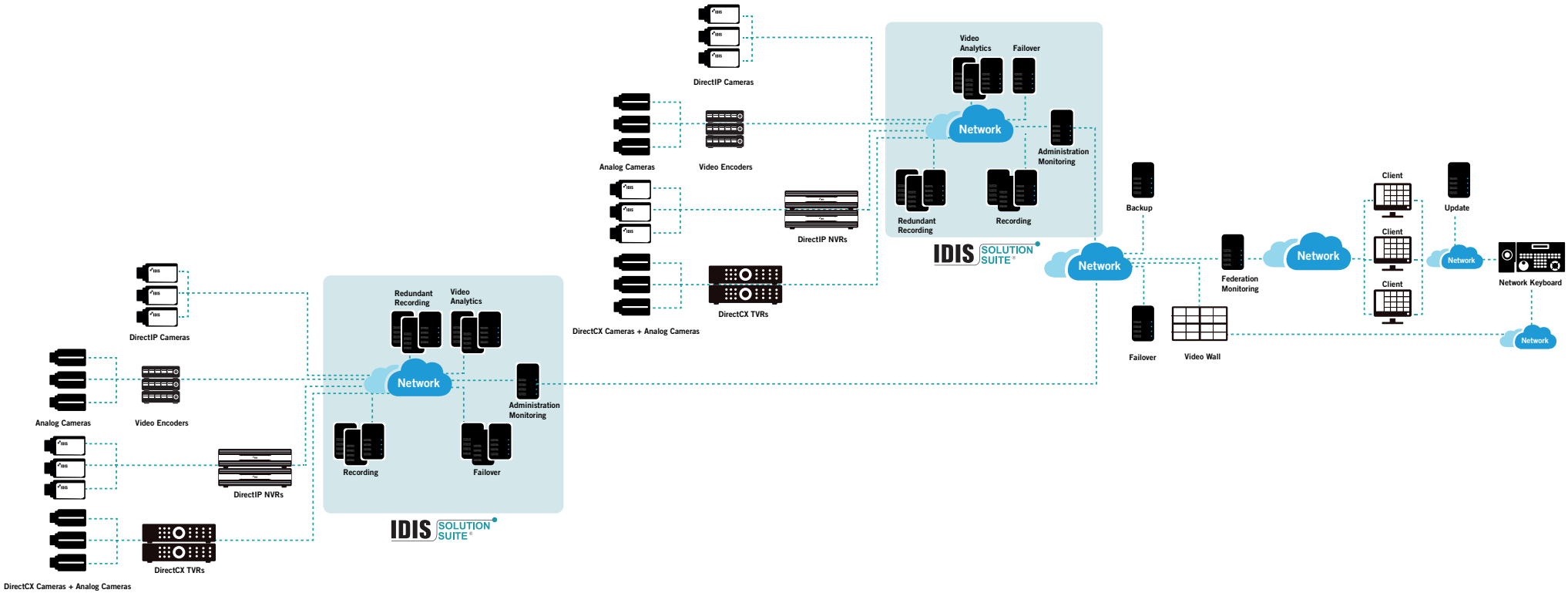
Medium Business Installation

- 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



2021

IDIS NDAA-COMPLIANT LINEUP BROCHURE

NDAA Compliant

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