

2020 TOTAL VIDEO SURVEILLANCE PRODUCT **LINEUP** BROCHURE



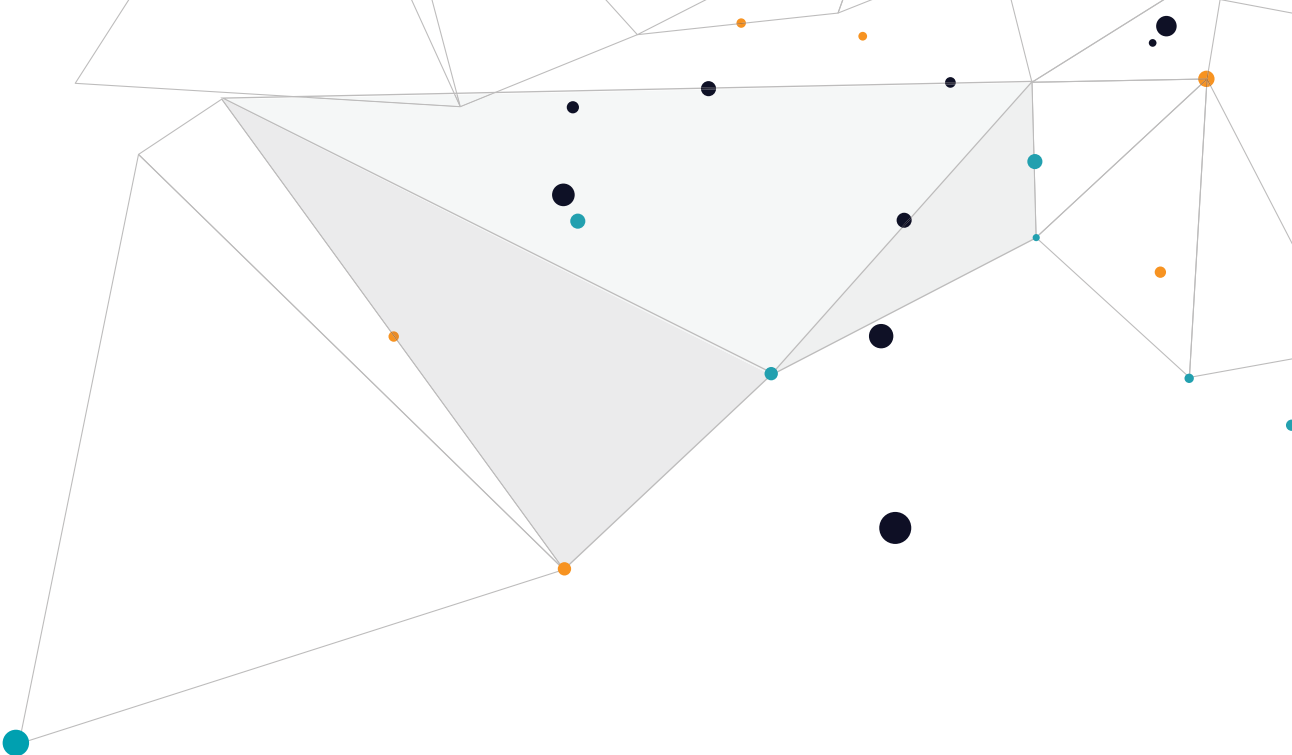


One Solution. One Company.

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

The Largest Developer and Manufacturer of Surveillance Technology in South Korea





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

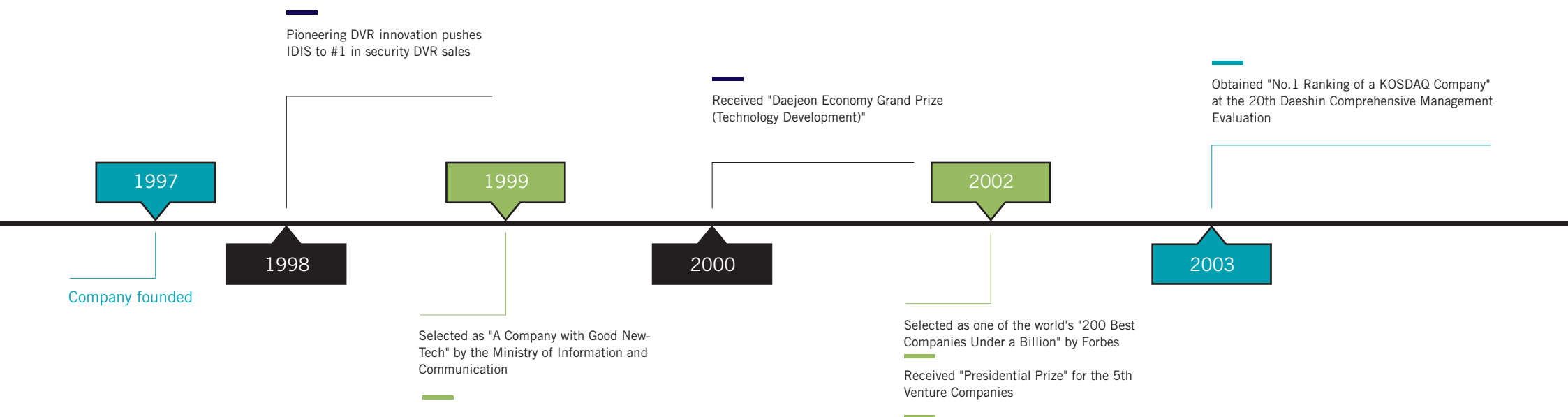
Reliability goes beyond the high quality products and solutions we proudly deliver each day. For IDIS, reliability means doing what we say we will do, when we say we will do it. From strictly adhering to global and local regulations to our certifications such as ISO14001, ISO900, ROHS, and Six Sigma, 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.

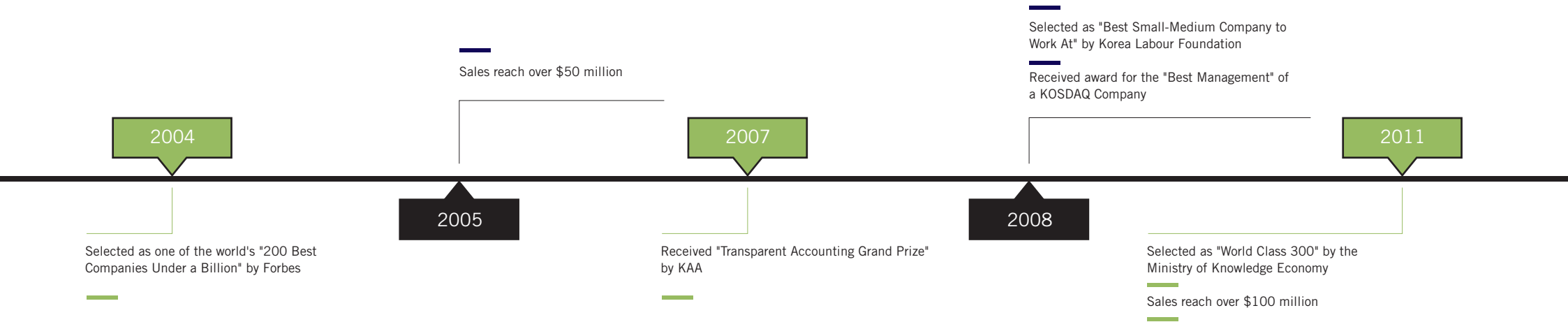


Integrity

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

2012

Selected as a "Good Company to Work For" by the Korea Economic Daily

IDIS Europe headquarters established near London, England, U.K.

Sales reach over \$150 million

2013

DirectIP launch recognized with 2013 Platinum Marcom Award

IDIS launches its brand business and DirectIP at IFSEC

2014

Named Top 10 in the world for video surveillance by a&s

IDIS launches its brand business and Total Solution at Intersec

DR-6116P NVR ranked top in Benchmark Magazine test

DirectIP named "Technology Innovation of the Year" at PSI Premier Awards

2015

IDIS launches its brand business and Total Solution at ISC West

IDIS America headquarters established near Dallas, Texas, U.S.A.

IDIS Middle East / North Africa headquarters established in Dubai, U.A.E.

2016

Security Sales & Integration Security Solutions Award Official Runner-up

Security Products New Product of the Year Award for "Convergence & Integrated Software Solutions"

Awarded top honors for "Product and Technology" by the Korean Ministry of Trade, Industry and Energy

Awarded honors for "World Class Product of Korea" by the Korean Ministry of Trade, Industry and Energy

Named Top 10 global manufacturer for surveillance recorders by IHS

Double finalist at IFSEC's Security & Fire Excellence Awards

2017

IDIS celebrates its
20th anniversary



IDIS Smart UX Controls ranked as a finalist in the Benchmark Magazine Innovation Awards

DR-8364D, IDIS Smart UX Controls v2.0 ranked as a finalist in the PSI Premier Awards

Named 2017 U.S. OSPAs "Outstanding Security Manufacturer" Finalist

IDIS awarded the Prime Minister Citation 2017 by the Korea International Trade Association and the Korean Ministry of Trade, Industry, and Energy

2018

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

2019

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

2020

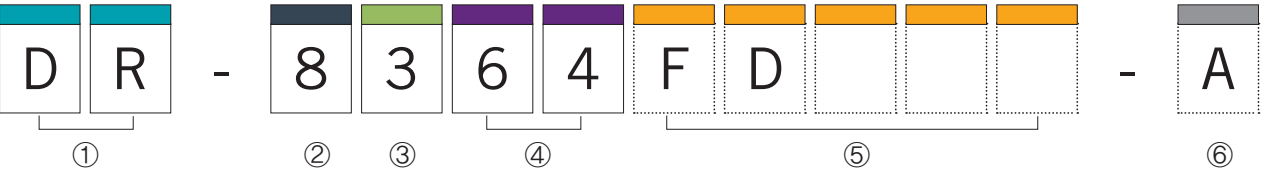
IDIS Ranked Among Top Security Equipment Manufacturers in 2020 OSPA Awards

IDIS Technology is Recognized with a SECURE CAMPUS 2020 Award Winner (12MP Panomorph IR Fisheye Camera DC-Y8C13WRX)

IDIS and Galeco Communications NHS Project Shortlisted for 2020 Safety & Health Excellence

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

- ⑤ Extension
- 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



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.



A True End-to-End
IP Video Surveillance Solution Platform

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

	DR-8364(F)D		DR-8364(F)	
Model Name	  		   	
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 x8, eSATA x4, RAID 1, 5, 6, 10 supported			
Total Capacity	240TB=10TB x (8(Internal) + 4x4(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 (Redundant SMPS)		AC 100-240 V, 50/60Hz, 2.0 - 1.0A	
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-8364F(D).

DR-8000 SERIES

Model Name			
	DR-8432D	DR-8432	DR-8416
			
VIDEO			
Video Inputs	32 IP Channels	32 IP Channels	16 IP Channels
Max. Incoming Throughput	370Mbps	370Mbps	320Mbps
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF		
Video Outputs	1 HDMI, 1 VGA		
Display Resolution	HDMI : 3840 x 2160, 1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200 VGA : 1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200		
Display Speed	Up to 960ips	Up to 960ips	Up to 480ips
RECORDING			
Max. Throughput	230Mbps, 960ips @ UHD	230Mbps, 960ips @ UHD	180Mbps, 480ips @ UHD
Recording Resolution	Up to 12MP (Depending on IP Camera)		
Compression	H.265, H.264		
Intelligent Codec	Supported		
Recording Mode	Time-lapse, Event, Pre-event, Panic		
PLAYBACK			
Performance	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 4x4(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 : 32 / 32 (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 : 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 16 / 4 IP Camera : 32 / 32 (Depending on IP Camera)	Local (NVR) : 16 / 4 IP Camera : 32 / 32 (Depending on IP Camera)	Local (NVR) : 16 / 4 IP Camera : 16 / 16 (Depending on IP Camera)
Alarm Reset In	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 100-240V, 50 / 60Hz, 8.0 - 4.0A (Redundant SMPS)	AC 100-240V, 50 / 60Hz, 6.0 - 3.0A	AC 100-240V, 50 / 60Hz, 6.0 - 3.0A
Power Consumption	100 - 240V~, 50 / 60Hz, 2.0 - 1.0A, 120W		
Approvals	FCC, UL, CE, CB, KC, PSE		

DR-6000 SERIES

Model Name			
	DR-6332PS-SA	DR-6316PS-SA	DR-6308P-SA
			
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 960ips
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		8ch Full HD Synchronous Playback 4ch 4K Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in		
STORAGE			
HDD	SATA x6, eSATA x4, RAID 1 supported		
Total Capacity	124TB=10TB x 6(Internal) + 4TB x4(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 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 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 412.8mm (16.9" x 3.5" x 16.25")		
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-6000 SERIES

Model Name			
	DR-6532P	DR-6516PS	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 : 3840x2160, 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 x6, eSATA x4, RAID 1 supported		
Total Capacity	124TB=10TB x 6(Internal) + 4TB x4(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) x8 + Gigabit Ethernet(Ext) x1	Gigabit Ethernet (IP Camera) x8 + 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 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	6.0kg (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, 250W		
Approvals	FCC, UL, CE, CB		

DR-2000 SERIES

Model Name				
	DR-2316-A	DR-2308P-A	DR-2404P-A	DR-2304P-A
				
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), DC 48V 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			

DR-1000 SERIES | IDIS Compact Solution

Model Name			
	DR-1308P	DR-1304P	DR-1304PC
			
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 240ips	Up to 120ips	Up to 120ips
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		

IDIS Compact Solution



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



Preinstalled VMS with IDIS Workstation

DV-3100 / DV-2116



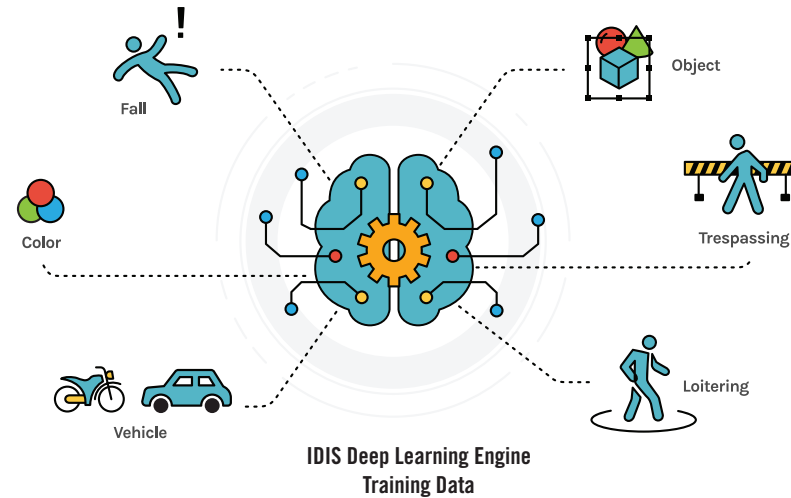
IDIS Deep Learning Analytics (IDLA)

Powered by IDIS Deep Learning Engine

IDLA represents a new paradigm for video surveillance, leveraging artificial intelligence and deep learning algorithms to perform previously labor-intensive tasks at an industry-leading 98% accuracy rate.

- Superior Accuracy deep-learning engine
- Object classification suitable for CCTV application
- Simple configuration and no calibration needed

AI in the Box - DV-3100, DV-2116



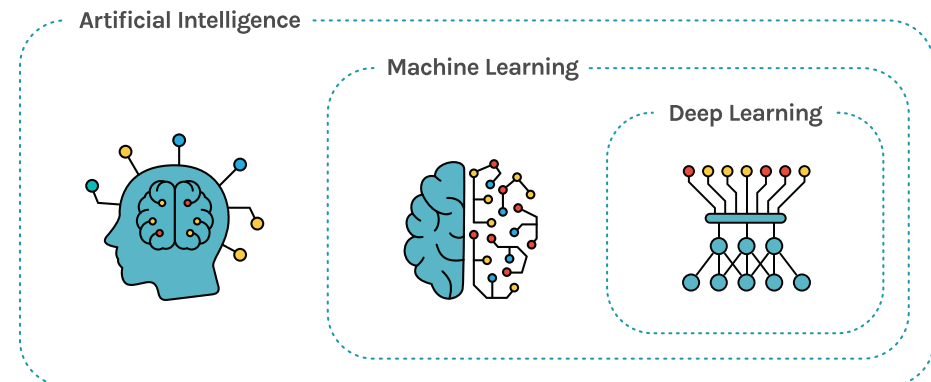
An Advanced AI Engine Designed for Security and Safety Applications

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 analyse 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.

Deep Learning

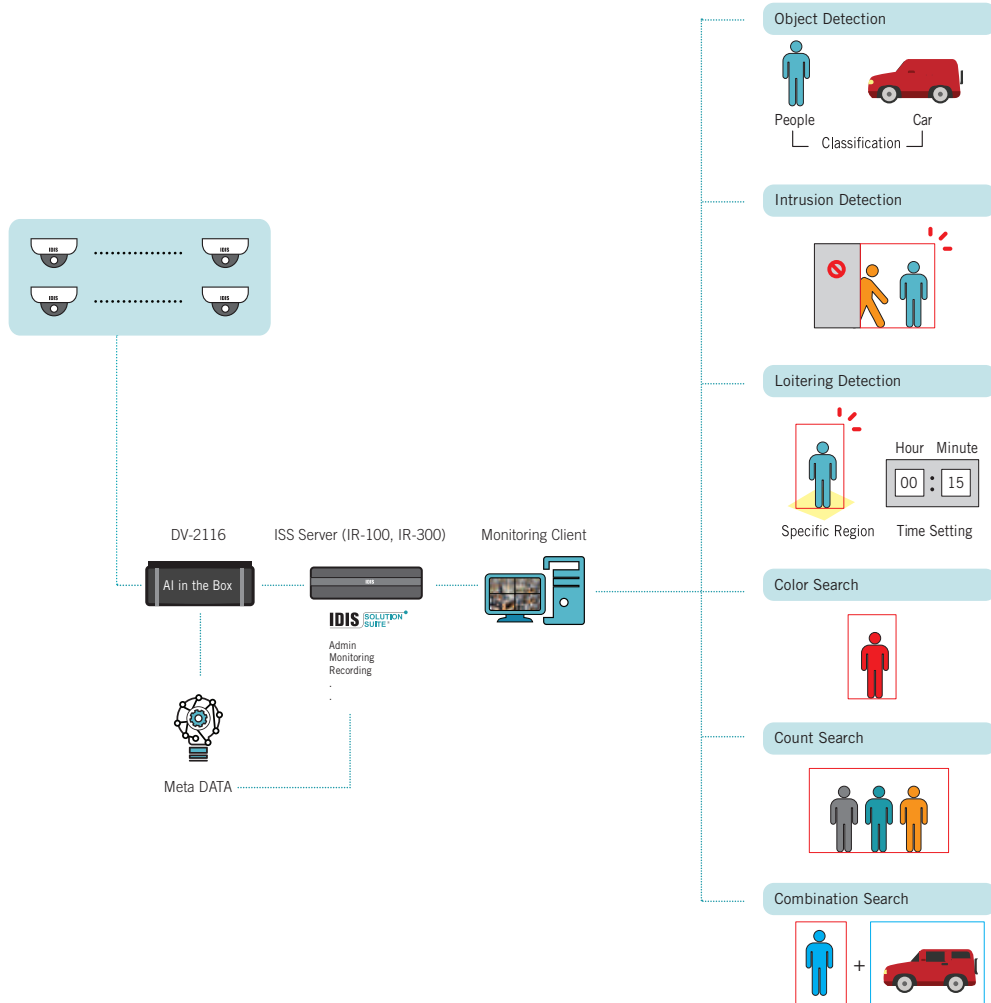
The Industry's Most Advanced and Accurate AI Engine

The IDIS Deep Learning Engine has been designed and developed in-house by our own team of AI experts using deep neural network technology to deliver industry-leading accuracy. Its capability has been proven in independent testing at live customer sites using high-quality video footage.



IDIS Deep Learning Analytics (IDLA)

Powered by IDIS Deep Learning Engine



Object Detection



IDIS Object Detection technology allows operators to automatically identify and track target objects by using modeling technology that creates a fixed background in the scene, allowing the detection and monitoring of moving objects across the field of view.

In practice it can analyse loitering and trespassing, and handle people counting in both real-time video streaming as well as recorded footage.

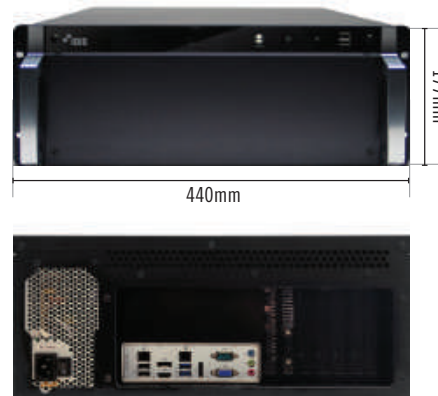
Action Recognition



Action Recognition is an AI technology that uses advanced automated algorithms to provide high accuracy and automated event recognition, self-learned from various cases.

For example, Action Recognition can spot a person falling over in real-time and trigger a notification. This ensures that critical events never go undetected and enables control room operators to initiate fast, appropriate responses to incidents.

DIMENSIONS



Instant Meta Filtering (IMF)



As surveillance footage is recorded, the IDIS Deep Learning Engine automatically recognizes human, vehicles, objects, and movements then extracts and stores the relevant metadata. This metadata provides classification, identity and context to video streams, allowing operators to organize, search and retrieve intelligent information from huge amounts of video

footage quickly and easily.

IMF rapidly sorts through fine-grained meta-data - via simple text search – to locate a specific person or vehicle of interest across a site or even multiple facilities. In turn, this reduces investigation time for often critical incidents from days or hours down to minutes.

Person Match



IDIS Person Match technology extracts the characteristics of a person in order to search for the same person or persons across single or multiple recorded video streams.

This allows users to quickly search vast amounts of video data to monitor and track people of interest, reveal their behavior and movements over time, and to allow rapid investigation of incidents or suspicious activity.

SPECIFICATIONS

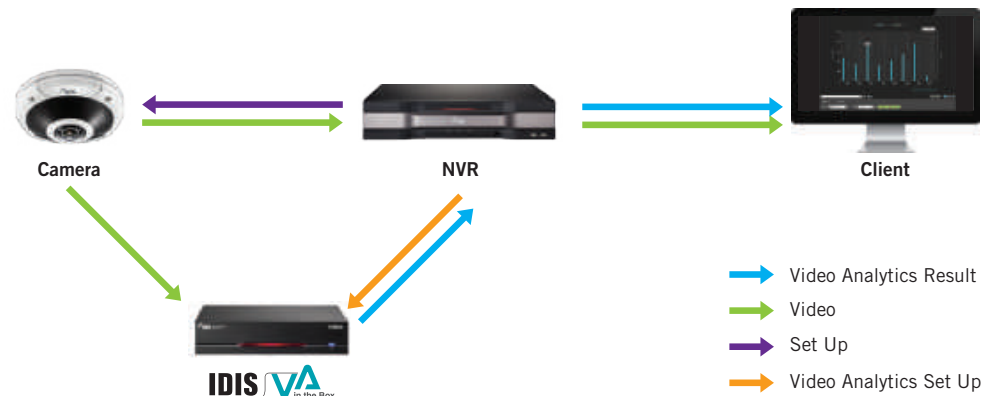
	DV-2116	Compare Open	DV-3100
SYSTEM			
IDIS Solution Suite	Compatible with IDLA VA Service		
	Version 3.0.0 or Higher		
Network Connection	2 GbE RJ-45 Ports (1000Base-T)		
Channels available for Analytics	16Ch	Up to 64ch in condition of 1280 x 720 @ 5ips video input	
IDLA Processing Unit	NVIDIA GTX1060, 6GB	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	30.9 lbs. (14.0kg)		
ELECTRICAL			
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A	AC 100-240 V, 50/60Hz, 5.5 - 2.5A	
Power Supply	Single Power		
Power Consumption	250W	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		

VA in the Box

DV-1104 | IDIS VA in the Box™

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.

Model Name	VA in the Box
	DV-1104
	
Key Features	· 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)
Shipping Weight	1.22kg
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



Analytic Reports Reports and graphs

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.



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.



Heat Maps

Visualize visitor footfall and Behavior

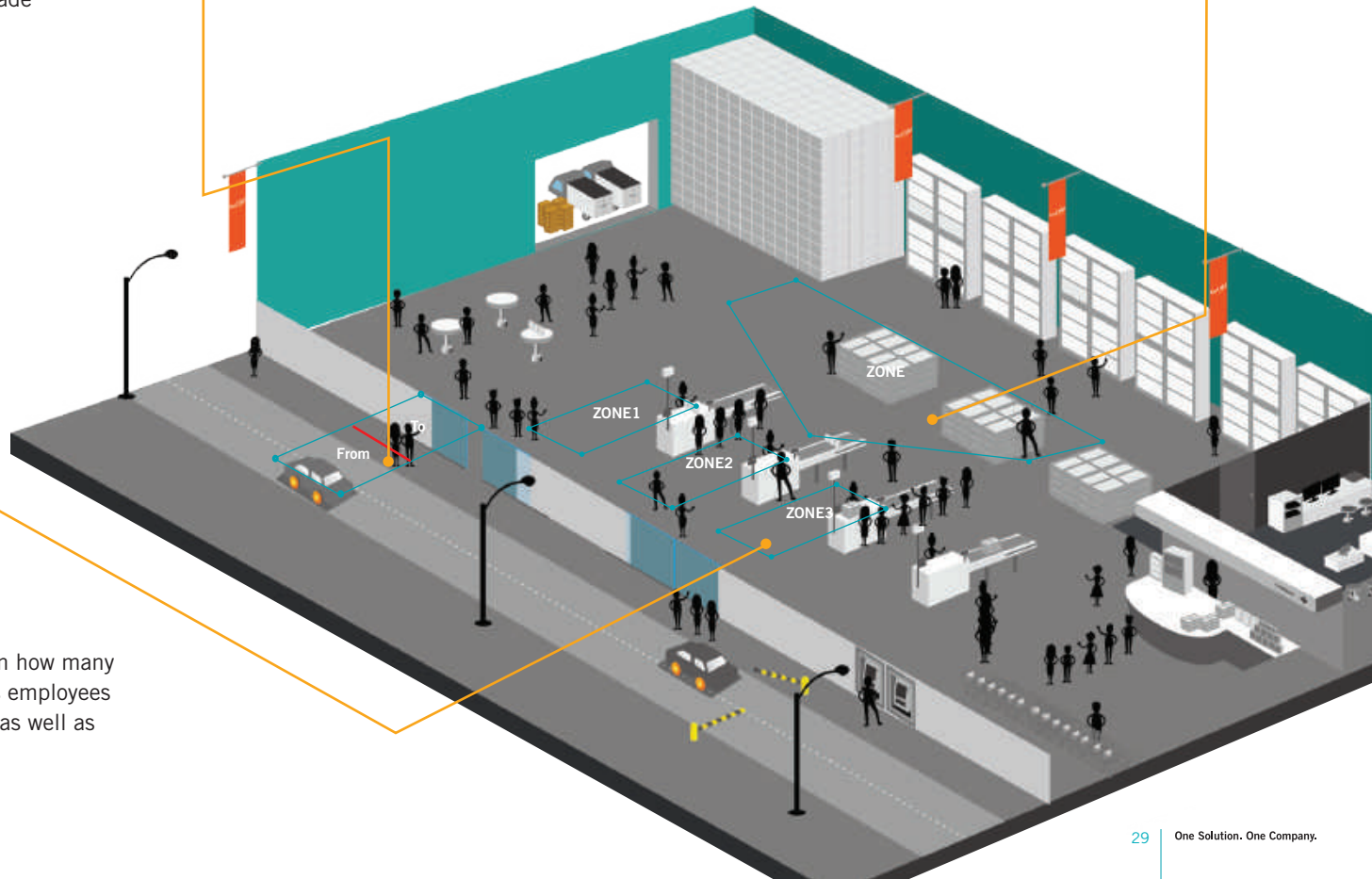
Highlight where people spend time and what they interact with. This is utilized to determine the best location where exposure needs to be maximized, such as new product zones or areas with sluggish sales. It can also be used to select the best locations for advertisements and promotional materials.



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.



ENTERPRISE NETWORK VIDEO RECORDERS

Preinstalled VMS with IDIS Workstation

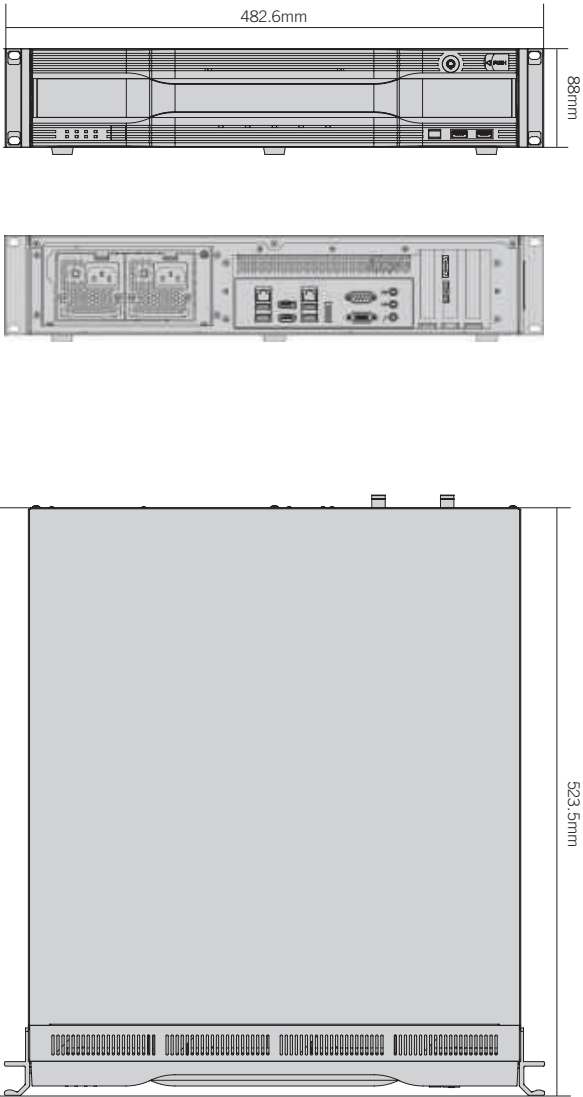
IR-300(A)



IDIS Enterprise NVR IR-300(A) enables to establish satisfying and quick surveillance system with high performance, reliability and manageability. OS(Operating system) stably installed in SSD and IDIS Solution Suite VMS support wonderful operation up to large systems and ensure important data retention through RAID and Redundant Power. IR-300(A) is the perfect product to build powerful and economical surveillance system.

- 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-300		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	120G SSD for Operating System (M.2 type)		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	-			
Form Factor	2U Rack Mount Chassis			
Dimensions (W x D x H)	482.6mm x 88mm x 523.5mm (19" x 3.5" x 20.6")			
Weight	12.6kg (27.8lbs)			
ELECTRICAL				
Power Input	AC 100-240V~, 50/60Hz, 6.0 - 3.0A (Redundant)			
Power Supply	Dual Power (Redundant SMPS)			
Power Consumption	160W		190W	
ENVIRONMENTAL				
Operating Temperature	0° to 40°C (32° to 104°F)			
Operating Humidity	0% to 90%			
ACCESSORIES SUPPLIED				
Power Cord	2			
GENERAL				
Certifications	FCC, CE, CB, UL, PSE			

Preinstalled VMS with IDIS Workstation

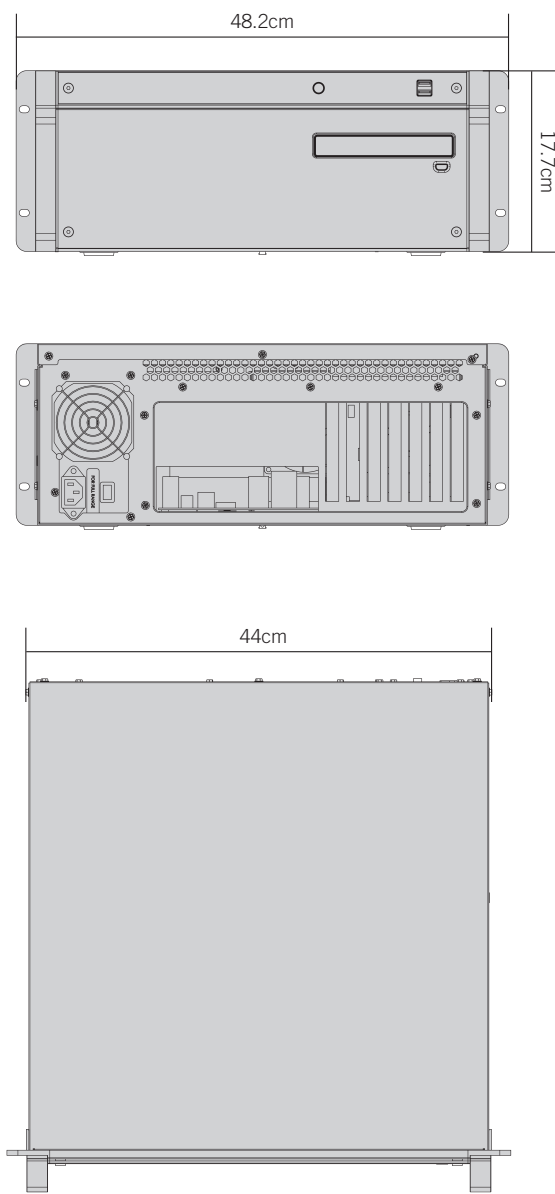
IR-100



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 centralized 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
	USB	6 (2 Front USB 2.0 + 2 Back USB 3.0 + 2 Back USB 2.0)
	RS-232	1 (DB9)
MECHANICAL	Optical Drive	1 DVD-RW
	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 ")
ELECTRICAL	Weight	33.7 lbs (15.3kg)
	Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
	Power Supply	Single Power
ENVIRONMENTAL	Power Consumption	90W
	Operating Temperature	5°C to 40°C (41°F to 104°F)
ACCESSORIES SUPPLIED	Operating Humidity	0% to 90%
	Power Cord	1
GENERAL	Certifications	FCC, CE, CB, UL

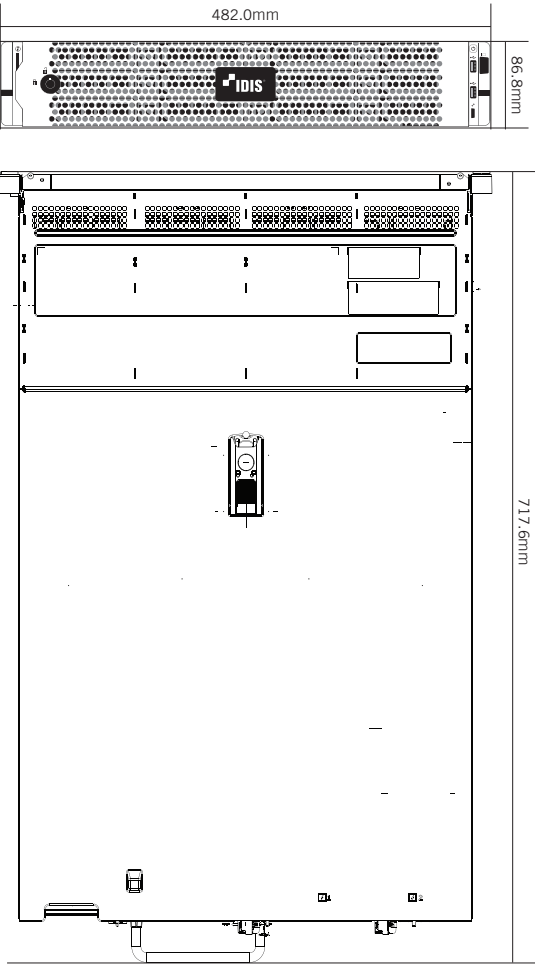
Preinstalled VMS with Server PC

IR-1100 | **NDA**
Compliance



- Pre-installed with IDIS Solution Suite VMS
- Tested and validated with IDIS Solution Suite up to 256 Full HD H.264/H.265 IP cameras
- Supports up to 256 Full HD cameras in real-time for enterprise-level surveillance systems
- 1,024Mbps (128MBps) maximum recording bandwidth per server
- Redundancy of power for mission-critical reliability
- Complete compatibility with IDIS components: IP cameras, 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 serviceability
- 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)
ACCESSORIES SUPPLIED	Storage Altitude	12,000 m (39,370 ft)
	Rack Mount Kit	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	1, Front
CERTIFICATIONS	Power Cord	1
	Emissions Classification (EMC)	FCC Rating Class A CISPR 22; EN55022; EN55024; FCC CFR 47; Pt 15; ICES-003; C/NS14336-1; CNS13438; GB4943;GB9254; EN 61000-3-2; EN61000-
	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

Server Storage with IR-1100

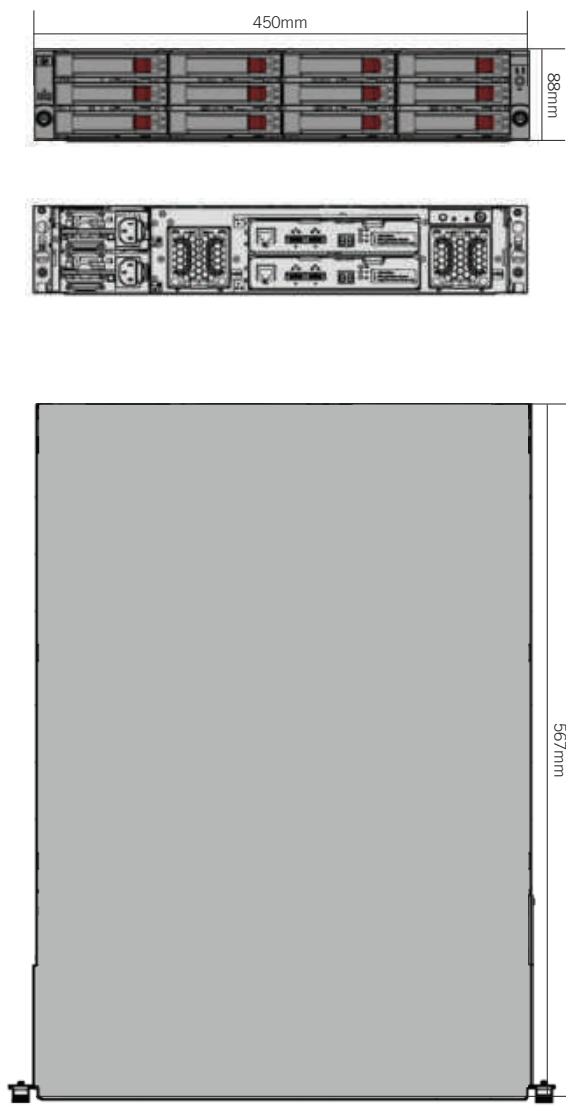
IS-1100



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.

- Storage capacity expansion for IDIS Enterprise NVR
- RAID 5 and 6 hard disk configuration
- Cascade up to eight expansion storage (up to 96 drives) in a dual domain configuration
- Redundant power and cooling for storage reliability
- Standard and integrated set of Smart Array management and utility software
- Hot-swappable hard disk drives, power supplies, and cooling
- Extensive faulty prediction capability
- 2U rack mount chassis

DIMENSIONS



SPECIFICATIONS

IS-1100		
SYSTEM	Hard Disk Drive Configuration	Up to 12 x SATA Hard Disk Drives, Hot-swappable, RAID 5 / RAID 6 (Optional)
	Recording Storage Capacity	Up to 72TB Raw, 60TB Effective (RAID 6 - 12TB, 12 Bay), 66TB Effective (RAID 5 - 6TB, 12 Bay)
	Interface to IR-1000	IPass (Mini-SAS), Two (One In, Other is Out)
	Cascading	Up to 8 Expansion Storage in a Dual Domain configuration
MECHANICAL	Form Factor	2U Rack Mount Chassis
	Dimensions (W x H x D)	450mm x 88mm x 567mm (17.99" x 3.47" x 22.3")
	Weight	Maximum 59.97lb (27.2kg)
ELECTRICAL	Power Input	100-240V AC
	Power Supply	Redundant, Hot Swappable
	Power Consumption	300W
ENVIRONMENTAL	Operating Temperature	10°C to 35°C (50°F to 95°F)
	Storage Temperature	-40°C to 66°C (-40°F to 150°F)
	Operating Humidity	10% to 90% Relative Humidity 28°C (82.4°F) Maximum Wet Bulb Temperature Non-condensing
	Non-operating Humidity	5% to 95% Relative Humidity
	Operating Altitude	3048m (10,000ft)
	Storage Altitude	9144m (30,000ft)

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

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

	3MP	8MP
	DC-B3303X	DC-B1803
Model Name	 3MP	 4K 8MP
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 + Internal Mic 1ea / Line-out 1ea	Line-in 1ea + Internal Mic 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)	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)

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

Model Name	MFZ, 2MP				
	DC-D6233RX	DC-D6233HRX	DC-D6233FRX	DC-D6233HRXL	DC-D6243HRX
					
Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/1.9" CMOS	1/3" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 2.8 - 12mm	f = 2.8 - 12mm	f = 2.8 - 12mm	f = 4.4 - 10mm	f = 7 - 22mm
Aperture	F1.6 - 2.7	F1.6 - 2.7	F1.6 - 2.7	F1.2 - 1.95	F1.4 - 2.8
Iris Control	P-Iris	P-Iris	P-Iris	P-Iris	P-Iris
Angular Field of View	Wide : 98° (H), 52° (V), 116° (D) Tele : 33° (H), 18.5° (V), 37.9° (D)	Wide : 98° (H), 52° (V), 116° (D) Tele : 33° (H), 18.5° (V), 37.9° (D)	Wide : 98° (H), 52° (V), 116° (D) Tele : 33° (H), 18.5° (V), 37.9° (D)	Wide : 91.5° (H), 48.4° (V), 109° (D) Tele : 43.4° (H), 24.2° (V), 49.9° (D)	Wide : 40° (H), 22° (V), 47° (D) Tele : 16° (H), 9° (V), 18° (D)
Pan / Tilt Range	Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90°	Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90°	Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90°	Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90°	Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90°
Min. Illumination	Color : 0.1 Lux @ F1.6 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.6 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.6 B/W : 0 Lux (IR LED On)	Color : 0.01 Lux @ F1.2 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	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)	20m / 65.6ft (6ea)	30m / 98.4ft (6ea)	20m / 65.6ft (4ea)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)
Image Stabilizer	-	-	-	-	-
De-fog	Yes	Yes	Yes	Yes	Yes
Video Out	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC (Accessory)
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported	Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	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)	60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100 BASE-T)
Recording Session Buffer	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)
Trigger Event	Motion Detection Alarm in Audio Detection Tampering Trip Zone Line Cross Loitering Object Detection	Motion Detection Alarm in Audio Detection Tampering Trip Zone Line Cross Loitering Object Detection	Motion Detection 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	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	Input 1ea / Output 1ea
Vandal Resistance	-	IK10	-	IK10	IK10
Outdoor Ready	-	IP67, Heater	-	IP67, Heater	IP67, Heater
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-40°C ~ +60°C (+40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-40°C ~ +60°C (+40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)
Dimensions (W x H x D)	Ø140mm x 108mm (Ø5.5" x 4.25")	Ø160mm x 116.5mm (Ø6.30" x 4.59")	Ø174mm x 122.4mm (Ø6.85" x 4.82") surface: Ø174mm x 70.7mm (Ø6.85" x 2.78")	Ø160mm x 128.5mm (Ø6.30" x 5.06")	Ø160mm x 128.5mm (Ø6.30" x 5.06")
Weight	0.49kg (1.08lb)	1.21kg (2.66lb)	0.72kg (1.58lb)	1.21kg (2.66lb)	1.21kg (2.66lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12V=, 0.61A, 7.32W PoE, IEEE 802.3af (Class 3)	12V=, 0.82A, 9.84W PoE, IEEE 802.3af (Class 3)	12V=, 0.62A, 7.4W PoE, IEEE 802.3af (Class 3)	12V=, 0.97A, 11.6W PoE, IEEE 802.3af (Class 3)	12V=, 0.82A, 9.84W PoE, IEEE 802.3af (Class 3)

BULLET CAMERAS

Model Name	MFZ, 2MP			
	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 = 3.3 - 10mm
Aperture	F1.3 - 2.5	F1.2 - 1.95	F1.5 - 2.8	F1.3 - 2.5
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.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	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)

DOME CAMERAS

Model Name	Fixed-focal, Micro, 2MP	MFZ, 5MP		Fixed-focal, 5MP	
	DC-C4212RX	DC-D4533RX	DC-D4533HRX	DC-D4513RX (2.8mm / 4.0mm)	DC-D4513WRX (2.8mm / 4.0mm)
	 full HD 2MP	 5MP	 5MP	 5MP	 5MP
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	2592 x 1944	2592 x 1944	2592 x 1944	2592 x 1944
Lens Type	Fixed-focal	Motorized Vari-focal	Motorized Vari-focal	Fixed-focal	Fixed-focal
Focal Length	f = 2.8mm	f=3.0 - 13.5mm	f=3.0 - 13.5mm	f=2.8mm / 4.0mm	f=2.8mm / 4.0mm
Aperture	F2.0	F1.4 - 3.2	F1.4 - 3.2	F2.0(2.8mm) / 2.15(4.0mm)	F2.0(2.8mm) / 2.15(4.0mm)
Iris Control	Fixed Iris	DC Iris	DC Iris	Fixed Iris	Fixed Iris
Angular Field of View	113.74°(H), 61.5°(V), 134.5°(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) (f=2.8mm) 79.2° (H) 56.6°(V) 103°(D) (f=4.0mm)	104.8° (H) 76.9°(V) 130°(D) (f=2.8mm) 79.2° (H) 56.6°(V) 103°(D) (f=4.0mm)
Pan / Tilt Range	Pan: -170° ~ 170°, Tilt: 0° ~ 65°, Rotate: -90° ~ 90°	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°	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 @ 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)
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)	15 m / 49.2ft (1 ea)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)	2.8mm : 30m / 98.4ft (4ea) 4.0mm : 20m / 65.6ft (2ea)	2.8mm : 30m / 98.4ft (4ea) 4.0mm : 30m / 98.4ft (4ea)
Image Stabilizer	-	Yes (DIS)	Yes (DIS)	Yes (DIS)	Yes (DIS)
De-fog	Yes	Yes	Yes	Yes	Yes
Video Out	-	-	-	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP) M-JPEG,	H.265, H.264 (MP) M-JPEG,
Intelligent Codec	Supported	Supported	Supported	Supported	Supported
Audio Compression	-	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 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)	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)	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 (NLTSec)	Yes (Up to 10MB)	Yes (Up to 100MB)	Yes (Up to 100MB)	Yes (Up to 100MB)	Yes (Up to 100MB)
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 Audio Detection Tampering Trip Zone	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	Motion Detection Audio Detection Alarm In Tampering Trip Zone
Audio In / Out	-	Line-in 1(Built In MIC)+1 / Line-out 1	Line-in 1ea / Line-out 1ea	Line-in 1ea (Built In MIC) + 1 / 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
Outdoor Ready	-	-	IP67, Heater	-	IP67
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)	-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)	-30°C ~ +55°C (-22°F ~ +131°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	Ø86mm x 58mm (Ø3.39" x 2.28")	Ø122mm x 103.4mm (Ø4.8" x 4.07")	Ø155 x 105mm (Ø6.1" x 4.13")	Ø110mm x 88mm	Ø110mm x 88mm
Weight	105g (0.23lb)	0.35kg(0.77lb)	1.01 kg(2.22lb)	0.25kg (0.55lb)	0.25kg (0.55lb)
Power Source	PoE IEEE 802.3af (Class 1)	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	PoE, IEEE 802.3af (Class 1), 3.3W	12V=, 0.7A, 8.4W PoE, IEEE 802.3af (Class 3), 8.2W	12V=, 1.03A, 12.36W PoE, IEEE 802.3af(Class 3), 11.1W	PoE, IEEE 802.3af (Class 2), 6.2W	PoE, IEEE 802.3af (Class 2), 6.2W

DOME CAMERAS

Model Name	MFZ, 2MP			Vari-focal, 2MP	
	DC-D4233RX	DC-D4233WRX	DC-D4233HRX	DC-D4223RX	DC-D4223WRX
	 	 	 	 	 
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	Manual 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)	F 1.4(W) - F2.8(T)	F1.4(W) - F2.8(T)	F1.4(W) - F2.8(T)
Iris Control	DC Iris	DC Iris	DC Iris	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	120dB	120dB
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	-	-	-	-	-
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 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSec)	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 (Built In MIC) + 1 / 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	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	Input 1ea / Output 1ea
Vandal Resistance	-	IK10	IK10	-	IK10
Outdoor Ready	-	IP67	IP67, Heater	-	IP67
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-20°C ~ +60°C (-4°F ~ +140°F) *Starting Up at Above 0°C (32°F)	-40°C ~ +55°C (-40°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)
Dimensions (W x H x D)	Ø122mm x 103.4mm (Ø4.8" x 4.07")	Ø155mm x 105mm (Ø6.1" x 4.13")	Ø155mm x 105mm (Ø6.1" x 4.13")	Ø122mm x 103.4mm (Ø4.8" x 4.07")	Ø155mm x 105mm (Ø6.1" x 4.13")
Weight	0.37kg (0.80lb)	1kg (2.20lb)	1.01 kg(2.22lb)	0.35kg (0.77lb)	0.99kg (2.18lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	PoE (IEEE 802.3af Class 3), DC12V	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), 7.0W	12V=, 0.57A, 6.84W PoE, IEEE 802.3af (Class 3), 7.0W

DOME CAMERAS

Model Name	Fixed-focal, 2MP				
	DC-D4212R (2.8mm)	DC-D4212R (4.0mm)	DC-D4213RX (2.8mm)	DC-D4213RX (4.0mm)	DC-D4213WRX (2.8mm / 4.0mm)
					
Image Sensor	1/2.9" CMOS	1/2.9" 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 = 4.0mm	f = 2.8mm	f = 4.0mm	f = 2.8mm / 4.0mm
Aperture	F2.0	F2.15	F2.0	F2.15	F2.0 (f=2.8mm) / F2.15 (f=4.0mm)
Iris Control	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris
Angular Field of View	109.24°(H), 59.37°(V), 128.58°(D)	83°(H), 43°(V), 100.4°(D)	113.7°(H), 61.5°(V), 134.5°(D)	87°(H), 44°(V), 106°(D)	113.7°(H), 61.5°(V), 134.5°(D) (f=2.8mm) 87°(H), 44°(V), 106°(D) (f=4.0mm)
Pan / Tilt Range	Pan: -170° ~ 170°, Tilt: -5° ~ 67.5°, Rotate: -109° ~ 109°	Pan: -175° ~ 175°, Tilt: 0° ~ 70°, Rotate: -90° ~ 90°	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 : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.15 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)
Dynamic Range	More than 70dB	More than 70dB	120dB	120dB	120dB
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)	20m / 65.6ft (4ea)	20m / 65.6ft (2 ea)	30m / 98.4ft (4ea)	20m / 65.6ft (2ea)	30m / 98.4ft (4ea) (f=2.8mm) 30m / 98.4ft (4ea) (f=4.0mm)
Image Stabilizer	-	-	-	-	-
De-fog	Yes	Yes	Yes	Yes	Yes
Video Out	-	-	-	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported	Supported
Audio Compression	-	-	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips : 1920 x 1080	30ips : 1920 x 1080	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 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSec)	Yes (Up to 10MB)	Yes (Up to 10MB)	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 Tampering Trip Zone	Motion Detection Tampering Trip Zone	Motion Detection Alarm in Audio detection Tampering Trip Zone	Motion Detection Alarm in Audio detection Tampering Trip Zone	Motion Detection Alarm in Audio detection Tampering Trip Zone
Audio In / Out	-	-	Line-in 1ea (Built MIC) + 1 / Line-out 1ea	Line-in 1ea (Built MIC) + 1 / 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
Outdoor Ready	-	-	-	-	IP67
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	Ø130mm x 81.4mm (Ø5.12" x 3.20")	Ø130mm x 74.3mm (Ø5.12" x 2.93")	Ø110mm x 88mm (Ø4.33" x 3.46")	Ø110mm x 88mm (Ø4.33" x 3.46")	Ø120mm x 92.9mm (Ø4.72" x 3.65")
Weight	0.23kg (0.50lb)	0.21kg (0.46lb)	0.25kg (0.55lb)	0.25kg (0.55lb)	0.46kg (1.01lb)
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 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), 4.8W	PoE, IEEE 802.3af (Class 2), 4.8W	PoE, IEEE 802.3af (Class 2), 4.8W

BULLET CAMERAS

Model Name	MFZ, 5MP	Fixed-focal, 5MP	MFZ, 2MP	
	DC-T4533HRX	DC-E4513WRX (2.8mm / 4.0mm / 6.0mm)	DC-T4233WRX	DC-T4233HRX
	 5MP	 5MP	 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	2592 x 1944	2592 x 1944	1920 x 1080	1920 x 1080
Lens Type	Motorized Vari-focal	Fixed-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 3.0-13.5mm	f = 2.8mm / 4.0mm / 6.0mm	f = 2.8 - 12mm	f = 2.8 - 12mm
Aperture	F1.4 - 3.2	F2.0(2.8mm) / F2.15(4.0mm) / F1.6(6.0mm)	F1.4~2.8	F1.4~2.8
Iris Control	DC Iris	Fixed Iris	DC Iris	DC Iris
Angular Field of View	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38°(D)	104.8° (H) 76.9°(V) 130°(D) (f=2.8mm) 79.2° (H) 56.6°(V) 103°(D) (f=4.0mm) 49.9° (H) 37°(V) 63.6°(D) (f=6.0mm)	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 : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F2.0 / F2.15 / F1.6 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 / 131.2 ft (6 ea)	30m / 98.4ft (4ea)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)
Image Stabilizer	Yes (DIS)	Yes (DIS)	-	-
De-Fog	Yes	Yes	Yes	Yes
Video Out	-	-	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	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)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)
Ethernet	Yes (Up to 100MB)	Yes (Up to 100MB)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSSec)	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	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	IK10
Outdoor Ready	IP67, Heater	IP67	IP67	IP67 / Heater
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°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)	-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)	Ø77mm x 244.1mm (Ø3.03" x 9.61")	75mm x 70mm x 195.8mm (2.95" x 2.75" x 7.7")	Ø77mm x 244.1mm (Ø3.03" x 9.61")	Ø77mm x 244.1mm (Ø3.03" x 9.61")
Weight	0.84kg (1.85lb)	0.66kg (1.45lb)	0.84kg (1.85lb)	0.84kg (1.85lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	PoE IEEE 802.3af (Class 2)	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12V=, 0.78A, 9.36W PoE, IEEE 802.3af (Class 3), 8W	PoE, IEEE 802.3af (Class 2), 6.1W	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

BULLET CAMERAS

Model Name	Fixed-focal, 2MP			
	DC-E4212WR 2.8mm	DC-E4212WR 4.0mm	DC-E4213WRX 2.8mm	DC-E4213WRX 4.0mm
	 	 	 	 
Image Sensor	1/2.9" CMOS	1/2.9" 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 = 2.8mm	f = 4.0mm	f = 2.8mm	f = 4.0mm
Aperture	F2.0	F2.15	F2.0	F2.15
Iris Control	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris
Angular Field of View	109.24°(H), 59.37°(V), 128.58°(D)	83°(H), 43°(V), 100.4°(D)	113.74° (H) 61.5°(V) 134.45°(D)	87° (H) 44°(V) 106°(D)
Min. Illumination	Color : 0.4 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.28 Lux @ F2.15 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.15 B/W : 0 Lux (IR LED On)
Dynamic Range	More than 70dB	More than 70dB	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)	20m / 65.6ft (2ea)	20m / 65.6ft (2ea)	30m / 98.4ft (4ea)	30m / 98.4ft (4ea)
Image Stabilizer	-	-	-	-
De-fog	Yes	Yes	Yes	Yes
Video Out	-	-	-	-
Video Compression	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported
Audio Compression	-	-	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips : 1920 x 1080	30ips : 1920 x 1080	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 (NLTSec)	Yes (Up to 10MB)	Yes (Up to 10MB)	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 Tampering Trip Zone	Motion 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
Alarm In / Out	-	-	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Resistance	IK10	IK10	IK10	IK10
Outdoor Ready	IP66	IP66	IP67	IP67
Operating Temperature	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-20°C ~ +55°C (-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)	70mm x 65mm X 186.8mm (2.75" x 2.56" x 7.3")	70mm x 65mm X 186.8mm (2.75" x 2.56" x 7.3")	75mm x 70mm x 195.8mm (2.95" x 2.75" x 7.7")	75mm x 70mm x 197mm (2.95" x 2.75" x 7.75")
Weight	0.34Kg (0.74 lb)	0.34Kg (0.74 lb)	0.66kg (1.45lb)	0.66kg (1.45lb)
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)
Power Consumption	PoE, IEEE 802.3af (Class 2), 4.7W	PoE, IEEE 802.3af (Class 2), 4.7W	PoE, IEEE 802.3af (Class 2), 5.6W	PoE, IEEE 802.3af (Class 2), 5.6W

IDIS SUPER FISHEYE

DC-Y6513RX



BENEFITS OF IDIS SUPER FISHEYE CAMERA



Cost Savings on Equipment and Installation

Cover a wider area with a single 360° camera



Dual Side Dewarping Solution

Dewarping on-board the camera and on client PCs, mobile devices, or NVRs without a PC



High Definition Images

12 or 5 megapixel high resolution



Storage Savings with IDIS Intelligent Codec

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



IR LED

IR distance up to 15m / 49.2ft



Communication

Internal microphone



Identify Any Point of Interest with IDIS Center

Provides an overview while maintaining details at the same time



Robust, Vandal Resistant, and Weatherproof

IK10 / IP66, IP67 support



True WDR (120dB)

Easy to recognize who and what is there in every environment



Smart UX Controls v2.0

Groundbreaking agility, ease, and accuracy



Quick and Easy to Install

Easy installation with DirectIP NVRs

FISHEYE CAMERAS

Model Name	Fixed-focal, 12MP, Panomorph		Fixed-focal, 5MP	
	DC-Y8C13RX	DC-Y8C13WRX	DC-Y6513RX	DC-Y6513WRX
	 12MP	 12MP	 5MP	 5MP
Image Sensor	1/1.7" 12MP CMOS	1/1.7" 12MP CMOS	1/2" CMOS	1/1.8" CMOS
Max. Resolution	3200 x 2944	3200 x 2944	2560 x 2048	2560 x 2048
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal
Focal Length	f=1.2mm	f=1.2mm	1.5mm	1.5mm
Aperture	F2.2	F2.2	F1.8	F1.8
Iris Control	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris
Angular Field of View	180°(H), 180°(V), 180°(D)	180°(H), 180°(V), 180°(D)	180° (H), 180° (V), 180° (D)	180° (H), 180° (V), 180° (D)
Pan / Tilt / Zoom	-	-	-	-
Min. Illumination	Color : 0.2 Lux @ F2.2 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.2 B/W : 0 Lux (IR LED On)	Color : 0.5 Lux @ F1.8 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.8 B/W : 0 Lux (IR LED On)
Dynamic Range	120 dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)	120 dB (True WDR)
Day and Night	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)	15m (6ea)	15m (6ea)	15m (6ea)	20m (4ea)
Image Stabilizer	-	-	-	-
Viewing Composition	10, 1P, 1P2R, 2P, 4R, 107R	10, 1P, 1P2R, 2P, 4R, 107R	10, 1P, 1P2R, 2P, 4R, 107R	10, 1P, 1P2R, 2P, 4R, 107R
Video Out	-	-	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported
Audio Compression	ADPCM 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	ADPCM 16K, G.726, G.711 u-Law
Max. Frame Rate	30ips : 3200 x 2944 15ips : 3200 x 2944 (WDR)	30ips : 3200 x 2944 15ips : 3200 x 2944 (WDR)	30ips : 2560 x 2048 (WDR)	30ips : 2560 x 2048 (WDR)
Ethernet	RJ45 (10/100/1000BASE-T)	RJ45 (10/100/1000BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSec)	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 + Internal Mic 1ea / Line-out 1ea	Line-in 1ea + Internal Mic 1ea / Line-out 1ea	Line-in 1ea + Internal Mic 1ea / Line-out 1ea	Line-in 1ea + Internal Mic 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 2ea	Input 1ea / Output 2ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Resistance	-	IK10	-	IK10
Outdoor Ready	-	IP67	-	IP67
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +60°C (+14°F ~ +140°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	Ø155.0mm x 52.8mm (Ø6.10" x 2.08")	Ø155.0mm x 58.3mm (Ø6.10" x 2.29")	Ø122mm x 35.8mm (Ø4.80" x 1.40")	Ø135mm x 54mm (Ø5.31" x 2.1")
Weight	0.815kg (1.79lb)	0.840 kg (1.85 lb)	0.285kg (0.63 lb)	0.6kg(1.32 lb)
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=, 1A, 12W PoE, IEEE 802.3af (Class 3), 12W	12V=, 1A, 12W PoE, IEEE 802.3af (Class 3), 12W	12V=, 0.62A, 7.5W PoE, IEEE 802.3af (Class 3), 7.5W	12V=, 1A, 12W PoE, IEEE 802.3af (Class 3), 10.7W

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	DC-S3883HRX	DC-S3583HRX	DC-S3283WHX	DC-S3283FX
	 full HD 2MP	 4K 8MP	 5MP	 full HD 2MP	 full HD 2MP
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 Face Detection Alarm In Tampering Trip Zone	Motion Detection Face Detection Alarm In Tampering Trip Zone	Motion Detection Face Detection Alarm In Tampering Trip Zone	Motion Detection Face Detection Alarm In Tampering Trip Zone	Motion Detection Face 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	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 0°C (32°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 (16.31lb)	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, 68.5W, 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, 68.5W, 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)

ZOOM CAMERA

Model Name	2MP
	DC-Z1263
	 full HD 2MP
Image Sensor	1/2.8" CMOS
Max. Resolution	1920 x 1080
Lens Type	AF Zoom Lens
Focal Length	f = 4.7 - 84.6mm
Aperture	F1.6 - 2.8
Iris Control	DC Auto Iris
Angular Field of View	Wide : 61.2°(H), 35.6°(V), 68.9°(D) Tele : 3.6°(H), 2.1°(V), 4.1°(D)
Min. Illumination	Color : 0.1 Lux @ F1.6 B/W : 0.04 Lux @ F1.6
Dynamic Range	74.7dB
Day and Night	IR Cut Filter with Auto Switch
IR Distance (LEDs)	-
Image Stabilizer	-
Privacy Masking	16 Zones
Video Out	1 RCA
Video Compression	H.264 (MP), M-JPEG
Intelligent Codec	-
Audio Compression	ADPCM 16K, G.726, G.711 u-Law
Max. Frame Rate	30ips : 1920 x 1080
Ethernet	RJ45 (10/100 BASE-T)
Recording Session Buffer (NLTsrec)	Yes (Up to 60MB)
Edge Storage	micro SD / SDHC, Smart Failover (Up to 32GB)
Trigger Event	Motion Detection Alarm In Audio Detection Tampering Trip Zone
Audio In / Out	Line-in 1ea / Line-out 1ea
Alarm In / Out	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)
Dimensions (W x H x D)	77.8mm x 75mm x 190.1mm (3.07" x 2.96" x 7.49")
Weight	0.71kg (1.57lb)
Power Source	12VDC, 24VAC PoE IEEE 802.3af (Class 0)
Power Consumption	12V = 0.4A, 4.8W 24V~, 0.44A, 6.9W, 50/60Hz PoE, IEEE 802.3af (Class 0)

DOME CAMERAS

Model Name	MFZ, 12MP	MFZ, 5MP		MFZ, 2MP	
	DC-D3C33HRX	DC-D3533RX	DC-D3533HRX	DC-D3233X-N	DC-D3233RX-N
	 12MP	 5MP	 5MP	 fullHD 2MP	 fullHD 2MP
Image Sensor	1/1.7" CMOS	1/1.8" CMOS	1/1.8" CMOS	1/3" CMOS	1/3" CMOS
Max. Resolution	4000 x 3000	2592 x 1944	2592 x 1944	1920 x 1080	1920 x 1080
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 4.5 - 10mm	f = 3.6 - 10mm	f = 3.6 - 10mm	f = 2.8 - 12mm	f = 2.8 - 12mm
Aperture	F1.6 - 2.6	F1.8 - 2.8	F1.8 - 2.8	F1.6 - 2.7	F1.6 - 2.7
Iris Control	P-Iris	P-Iris	P-Iris	P-Iris	P-Iris
Angular Field of View	[8MP Mode] Wide : 90.2° (H), 48.5° (V), 106.2° (D) Tele : 41.6° (H), 23.3° (V), 47.8° (D) [12MP Mode] Wide : 94.6° (H), 68.5° (V), 125.2° (D) Tele : 43.4° (H), 32.4° (V), 54° (D)	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 : 98° (H), 52° (V), 116° (D) Tele : 33° (H), 18.5° (V), 37.9° (D)	Wide : 98° (H), 52° (V), 116° (D) Tele : 33° (H), 18.5° (V), 37.9° (D)
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° ~ 65° Rotate : -90° ~ 90°	Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90°	Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90°
Min. Illumination	Color : 0.3 Lux @ F1.6 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F1.8 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F1.8 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)
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)	-	20m / 65.6ft (6ea)
Image Stabilizer	-	-	-	-	-
De-fog	Yes	Yes	Yes	Yes	Yes
Video Out	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC (Accessory)
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported	Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips : 3840 x 2160(WDR) 15ips : 4000 x 3000 (WDR)	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)	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)	RJ45 (10/100/1000 BASE-T)
Recording Session Buffer	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)
Trigger Event	Motion Detection 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	Motion Detection Alarm In Audio Detection 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	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	Input 1ea / Output 1ea
Vandal Resistance	IK10	-	IK10	-	-
Outdoor Ready	IP67, Heater	-	IP67, Heater	-	-
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	Ø160mm x 128.5mm (Ø6.30" x 5.06")	Ø160mm x 116.5mm (Ø6.30" x 4.59")	Ø160mm x 128.5mm (Ø6.30" x 5.06")	Ø140mm x 108mm (Ø5.5" x 4.25")	Ø140mm x 108mm (Ø5.5" x 4.25")
Weight	1.21kg (2.66lb)	1.21kg (2.66lb)	1.21kg (2.66lb)	0.49kg (1.08lb)	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 2)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12V =, 1.0A, 12W PoE, IEEE 802.3af (Class 3)	12V =, 0.85A, 10.2W PoE, IEEE 802.3af (Class 3)	12V =, 0.95A, 11.4W PoE, IEEE 802.3af (Class 3)	12V=, 0.47A, 5.64W PoE, IEEE 802.3af (Class 2)	12V=, 0.61A, 7.32W PoE, IEEE 802.3af (Class 3)

DOME CAMERAS

Model Name	MFZ, 2MP				
	DC-D3233FX-N	DC-D3233HRX-N	DC-D3243HRX-N	DC-D3233FRX-N	DC-D3233HRXL
	 	 	 	 	  iris LightMaster
Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/1.9" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 2.8 - 12mm	f = 2.8 - 12mm	f = 7 - 22mm	f = 2.8 - 12mm	f = 4.4 - 10mm
Aperture	F1.6 - 2.7	F1.6 - 2.7	F1.4 - 2.8	F1.6 - 2.7	F1.2 - 1.95
Iris Control	P-Iris	P-Iris	P-Iris	P-Iris	P-Iris
Angular Field of View	Wide : 98°(H), 52°(V), 116°(D) Tele : 33°(H), 18.5°(V), 37.9°(D)	Wide : 98° (H), 52° (V), 116° (D) Tele : 33° (H), 18.5° (V), 37.9° (D)	Wide : 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)	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° ~ 66° Rotate: -90° ~ 90°	Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90°	Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90°	Pan: -176° ~ 176° Tilt: 0° ~ 66° Rotate: -90° ~ 90°	Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90°
Min. Illumination	Color : 0.1 Lux @ F1.6 B/W : 0.01 Lux @ F1.6	Color : 0.1 Lux @ F1.6 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)	Color : 0.01 Lux @ F1.2 B/W : 0 Lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	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)	20m / 65.6ft (4ea)	30m / 98.4ft (6ea)
Image Stabilizer	-	-	-	-	-
De-fog	Yes	Yes	Yes	Yes	Yes
Video Out	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC (Accessory)
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported	Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	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)	60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100/1000 BASE-T)
Recording Session Buffer	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)
Trigger Event	Motion Detection 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	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	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	Input 1ea / Output 1ea
Vandal Resistance	-	IK10	IK10	-	IK10
Outdoor Ready	-	IP67, Heater	IP67, Heater	-	IP67, Heater
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-40°C ~ +60°C (+40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-40°C ~ +60°C (+40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)
Dimensions (W x H x D)	Ø174mm x 122.4mm (Ø6.85" x 4.82") surface : Ø174mm x 70.7mm (Ø6.85" x 2.78")	Ø160mm x 116.5mm (Ø6.30" x 4.59")	Ø160mm x 128.5mm (Ø6.30" x 5.06")	Ø174mm x 122.4mm (Ø6.85" x 4.82") surface: Ø174mm x 70.7mm (Ø6.85" x 2.78")	Ø160mm x 128.5mm (Ø6.30" x 5.06")
Weight	0.71kg (1.56lb)	1.21kg (2.66lb)	1.21kg (2.66lb)	0.72kg (1.58lb)	1.21kg (2.66lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 2)	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 =, 0.48A, 5.8W PoE, IEEE 802.3af (Class 2)	12V=, 0.82A, 9.84W PoE, IEEE 802.3af (Class 3)	12V=, 0.82A, 9.84W PoE, IEEE 802.3af(Class 3)	12V =, 0.62A, 7.4W PoE, IEEE 802.3af (Class 3)	12V =, 0.97A, 11.6W PoE, IEEE 802.3af (Class 3)

BULLET CAMERAS

	MFZ, 12MP	MFZ, 5MP	MFZ, 2MP
	DC-T3C33HRX	DC-T3533HRX	DC-T3233HRXL
Model Name	 12MP	 5MP	 full HD 2MP
Image Sensor	1/1.7" CMOS	1/1.8" CMOS	1/1.9" CMOS
Max. Resolution	4000 x 3000	2592 x 1944	1920 x 1080
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 4.5 - 10mm	f = 3.6 - 10mm	f = 4.4 - 10mm
Aperture	F1.6 - 2.6	F1.8 - 2.8	F1.2 - 1.95
Iris Control	P-Iris	P-Iris	P-Iris
Angular Field of View	[8MP mode] Wide : 90.2°(H), 48.5°(V), 106.2°(D) Tele : 41.6°(H), 23.3°(V), 47.8°(D) [12MP mode] Wide : 94.6°(H), 68.5°(V), 125.2°(D) Tele : 43.4°(H), 32.4°(V), 54°(D)	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 @ F1.6 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)	50m / 164ft (4ea)	30m / 98.4ft (10ea)	30m / 98.4ft (10ea)
Image Stabilizer	-	-	-
De-Fog	Yes	Yes	Yes
Video Out	-	1 BNC	1 BNC
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 : 3840 x 2160 (WDR) 15ips : 4000 x 3000 (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 (NLTsrec)	Yes (Up to 100MB)	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)	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 Proof Casing	IK10	IK10	IK10
Outdoor Ready	IP67, Heater	IP66, Heater	IP66, Heater
Operating Temperature	-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 ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)
Dimensions (W x H x D)	132.8mm x 132.8mm x 372.9mm (5.23" x 5.23" x 14.68")	Ø73.5mm x 311.1mm (Ø2.9" x 12.25")	Ø73.5mm x 308.5mm (Ø2.9" x 12.15")
Weight	2.7kg (5.95lb)	1.27kg (2.80lb)	1.17kg (2.58lb)
Power Source	12VDC, PoE IEEE 802.3at (Class 4)	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12V =, 1.6A, 19.2W PoE, IEEE 802.3at (Class 4)	12V =, 0.95A, 11.4W PoE, IEEE 802.3af (Class 3)	12V =, 0.8A, 9.6W PoE, IEEE 802.3af (Class 3)

COVERT MODULAR CAMERAS

	Covert Modular, 2MP	
	DC-V3213XJ-4.3mm	DC-V3213XJ-2.5mm
Model Name	 full HD 2MP	 full HD 2MP
Image Sensor	1/2.9" SONY CMOS Sensor	1/2.9" SONY CMOS Sensor
Max. Resolution	1920 x 1080	1920 x 1080
Lens Type	Fixed-focal Sharp-corn	Fixed-focal Board Type
Focal Length	f = 4.3mm	f = 2.5mm
Aperture	F2.0	F2.0
Iris Control	Fixed Iris	Fixed Iris
Angular Field of View	83° (H), 47° (V), 95° (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	Auto / On / Off / Schedule	Auto / On / Off / Schedule
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
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 (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 (Terminal Block)	Line-in 1ea / Line-out 1ea (Terminal Block)
Alarm In / Out	Input 1ea / Output 1ea (Terminal Block)	Input 1ea / Output 1ea (Terminal Block)
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	4.44W	4.44W

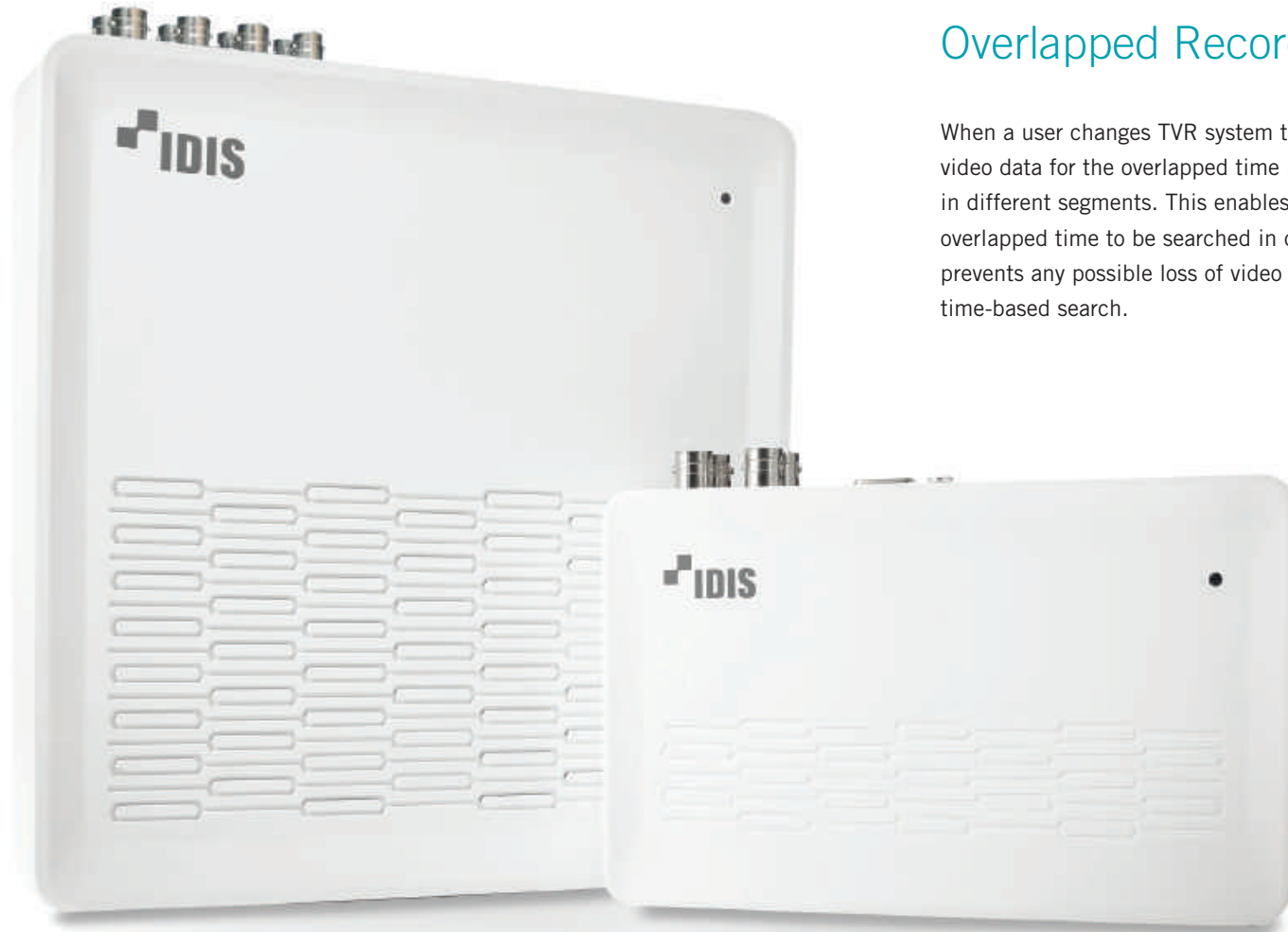
An aerial, top-down view of a modern office or lounge area. The floor is made of large, light-colored square tiles. Several people are seated at small, round tables, some of which are white and others dark. They are working on laptops or looking at documents. The lighting is bright, creating strong shadows. In the upper right, there is a large, orange, octagonal piece of furniture. The overall atmosphere is professional and collaborative.

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

Model Name	TR-4416(R)		TR-4408	
	Compare 200% 		Compare 200% 	
VIDEO				
Video Inputs	16 BNC (Multistandard Analog)		8 BNC (Multistandard Analog)	
Supported Camera Types	5MP, 4MP, 3MP, 1080P30, 1080P25, 720P30, 720P25, CVBS(NTSC / PAL)			
Video Outputs	1 HDMI, 1 VGA, 1 BNC (Spot)			
Display Resolution	HDMI : 3840 x 2160, 1920 x 1080, 1280 x 1024 VGA : 1920 x 1080, 1280 x 1024 Composite : 720x480(NTSC) , 720x576(PAL)			
Display Speed	Up to 480ips		Up to 240ips	
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			
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	8ch 1080P synchronous playback			
Search Mode	Time-lapse, Event Log, Motion, Text-in			
Digital Zoom	x2 ~ x12			
STORAGE				
HDD	SATA x4, eSATA x1 (TR-4416R : SATA x4, eSATA x1, RAID 1 supported)		SATA x4, eSATA x1	
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	5.6kg (12.3 lbs) (with 2 HDD)		5.6kg (12.3 lbs) (with 2 HDD)	
Operating Humidity	0% ~ 90%		0% ~ 90%	
Power Input	100-240V~, 50/60Hz, 1.0-0.5A, 76W		100-240V~, 50/60Hz, 1.0-0.5A, 76W	
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		FCC, CE, KC, CB, UL, PSE	

TR-2000 SERIES

Model Name	TR-2416	TR-2408	TR-2404
			
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

Model Name	TR-1208	TR-1204	TR-1204C
			
VIDEO			
Video Inputs	8 BNC (Multistandard Analog)	4 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	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	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	1ch 1080P / 4ch D1 synchronous playback
Search Mode	Time-lapse, Event log, Motion		
Digital Zoom	x2 ~ x12		
STORAGE			
HDD	SATA x1	SATA x1	SATA x1, (2.5" HDD)
Data Export Device	USB HDD, USB Stick		
NETWORK			
Client Connection	Fast Ethernet x1		
Transmission Speed	30ips @ Full HD		
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")	170mm x 44.5mm x 114.9mm (6.69" x 1.75" x 4.52")
Unit Weight	1.24kg (2.73lb) (with 1 HDD)	1.12kg (2.47lb) (with 1 HDD)	0.44kg (0.97lb) (with 1 HDD)
Operating Humidity	0% ~ 90%	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	12V=, 0.85A, 10.2W
Approvals	FCC, CE, KC		

HD-TVI ANALOG CAMERAS



HD-TVI DOME CAMERAS

Model Name	Fixed-focal, 5MP		MFZ, 5MP		
	TC-D5511RX	TC-D5531RX	TC-D5531WRX	TC-D5532RX	TC-D5532WRX
					
VIDEO					
Image Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor
Max. Resolution	2592 x 1944	2592 x 1944	2592 x 1944	2592 x 1944	2592 x 1944
Scanning Mode	Progressive Scan	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)	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	Fixed-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 2.8mm	f = 3.0mm - 13.5mm	f = 3.0mm - 13.5mm	f = 3.0mm - 13.5mm	f = 3.0mm - 13.5mm
Iris Control	Fixed Iris	DC IRIS	DC IRIS	DC IRIS	DC IRIS
Angular Field of View	104.8° (H) 76.9°(V) 130°(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)	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38°(D)	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38°(D)
Pan / Tilt Range	Pan : -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: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177°	Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177°
Min. Illumination	Color : 0.15 Lux @ F 2.0 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 : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED ON)	Color : 0.13 Lux @ F1.4 B/W : 0 Lux (IR LED ON)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	20 m / 65.6 ft (4 ea)	30 m / 98.4 ft (4 ea)	30 m / 98.4 ft (4 ea)	30 m / 98.4 ft (4 ea)	30 m / 98.4 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)	1 HD BNC (Signal Switchable)
FUNCTION					
Sens-Up	Off / x2 ~ x32	Off / x2 ~ x32	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 / 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	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)	1 ~ 20 Level Adjustable (All Day / Night Only)
Privacy Masking	-	-	-	-	-
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable	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	Off / Low / Middle / High
De-Fog	Off / On	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	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	OSD button, TVI / AHD coaxial protocol
ENVIRONMENTAL					
Outdoor Ready	-	-	IP67, IK10	-	IP67, 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 ~ +55°C (14°C ~ +131°C) (Humidity : 0% ~ 90%)*	-10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%)	-10°C ~ +55°C (14°C ~ +131°C) (Humidity : 0% ~ 90%)*
MECHANICAL					
Dimensions (W x H x D)	Ø110mm x 78mm (4.33" x 3.07")	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")	Ø155mm x 105mm (6.1" x 4.13")
ELECTRICAL					
Power Source	DC 12V	DC 12V	DC 12V	DC 12V, AC 24V	DC 12V, AC 24V
Power Consumption	3.4W	6.6W	6.6W	T.B.D.	T.B.D.

HD-TVI BULLET CAMERAS

Model Name	MFZ, 5MP		Fixed-focal, 5MP
	TC-T5531WRX	TC-T5532WRX	TC-T5511WRX (4.0mm / 6.0mm)
			
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
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 : 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)
Min. Illumination	Color : 0.13 Lux @ F1.4 B/W : 0 Lux (IR LED ON)	Color : 0.1 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)
Image Stabilizer	-	-	-
Video Out	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)
PAN / TILT / ROTATE			
Tilt Range	-	-	-
Preset	-	-	-
FUNCTION			
Sens-Up	Off / x2 ~ x32	Off / x2 ~ x32	Off / x2 ~ x8
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
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	-	-	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	DC 12V, AC 24V	DC 12V
Power Consumption	6.6W	T.B.D.	3.4W

HD-TVI BOX CAMERA

Model Name	5MP	
	TC-B5502X	TC-B5501X
		
VIDEO		
Image Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor
Max. Resolution	2592 x 1944	2592 x 1944
Scanning Mode	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)
Focal Length	-	-
Iris Control	DC Auto Iris / ELC	DC Auto Iris / ELC
Angular Field of View	-	-
Pan / Tilt Range	-	-
Min. Illumination	Color : 0.1 Lux @ F1.4 B/W : 0.05 Lux @ F1.4	Color : 0.11 Lux @ F1.3 B/W : 0.06 Lux @ F1.3
Day and Night	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	-	-
Video Out	1 HD BNC (Signal Switchable)	1 HD BNC (Signal Switchable)
FUNCTION		
Sens-Up	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
Backlight Compensation (BLC)	Off / On	Off / On
HLC	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
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable	0 ~ 20 Level Adjustable
Digital Noise Reduction	Off / Low / Middle / High	Off / Low / Middle / High
De-Fog	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%)
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
Power Consumption	T.B.D.	1.8W

HD-TVI CAMERAS

Model Name	Vari-focal, 2MP		Fixed-focal, 2MP	Vari-focal, 2MP	Fixed-focal, 2MP
	TC-D4222RX	TC-D4222WRX	TC-D4211RX (2.8mm / 4.0mm)	TC-T4222WRX	TC-E4211WRX 4.0mm
	 	 	 	 	 
VIDEO					
Image Sensor	1/2.8" CMOS Sensor	1/2.8" CMOS 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	1920 x 1080	1920 x 1080
Scanning Mode	Progressive Scan	Progressive Scan	Progressive Scan	Progressive Scan	Progressive Scan
Lens Type	Vari-focal	Vari-focal	Fixed-focal	Vari-focal	Fixed-focal
Focal Length	f = 2.8mm - 12mm	f = 2.8mm - 12mm	f = 2.8mm / 4.0mm	f = 2.8mm ~ 12mm	f = 4.0mm
Iris Control	ELC	DC Auto Iris	Fixed Iris	ELC	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)	f = 2.8mm : 106.5°(H), 57.5°(V), 122.7°(D) f = 4.0mm : 82.7°(H), 44.2°(V), 97.1°(D)	Wide : 96.7°(H), 51.8°(V), 112.4°(D) Tele : 35.2°(H), 19.8°(V), 40.4°(D)	82.7°(H), 44.2°(V), 97.1°(D)
Pan / Tilt Range	Pan : 0° ~ 360° Tilt : 7° ~ 90°	Pan : 0° ~ 360° Tilt : 7° ~ 90°	Pan : 0° ~ 360° Tilt : 7° ~ 90°	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)
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)	Yes (ICR)	Yes (ICR)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	40m / 131.2 ft (4ea)	20 m / 65.6 ft (4ea)
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	1 HD BNC , 1 SD BNC	1 HD BNC
FUNCTION					
Sens-Up	Off / x2 ~ x32	Off / x2 ~ x32	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)	Off / On (Low, Middle, High)	Off / On (Low, Middle, High)
Backlight Compensation (BLC)	Off / On	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)	1 ~ 20 Level Adjustable (All Day / Night Only)
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable	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	-	-
De-Fog	Off / On	Off / On	Off / On	Off / On	Off / On
ENVIRONMENTAL					
Outdoor Ready	-	IP66, IK10	-	IP66	IP66
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%)	-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)	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")	Ø77.5mm X 212mm (Ø3.05" x 8.35")	Ø69.1mm X 210.4mm
ELECTRICAL					
Power Source	12VDC, 24VAC	12VDC, 24VAC	12VDC	12VDC, 24VAC	12VDC
Power Consumption	6W	6W	5W	8.5W	6W

HD-TVI CAMERAS

	BOX, 2MP	PTZ, 2MP
	TC-B4202X	TC-S1283WHX
Model Name	 	 
VIDEO		
Image Sensor	1/2.8" CMOS Sensor	1/2.8" SONY Starvis CMOS Sensor
Max. Resolution	1920 x 1080	1920 x 1080
Scanning Mode	Progressive Scan	Progressive Scan
Lens Type	Optional (C/CS Mount Lens)	AF Zoom lens
Focal Length	-	f = 4.3mm ~ 129mm
Iris Control	DC Auto Iris / ELC	DC Auto Iris
Angular Field of View	82.7°(H), 44.2°(V), 97.1°(D)	65.1°~2.23°(H)
Min. Illumination	Color : 0.1 Lux @ F1.4 B/W : 0.05 Lux @ F1.4	Color : 0.35 Lux BW : 0.013 Lux @ 50IRE
Day and Night	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	-	-
Image Stabilizer	-	Yes (DIS)
Video Out	1 HD BNC , 1 SD BNC	1 HD BNC , 1 SD BNC
PAN / TILT / ROTATE		
Tilt Range	-	-10° ~ 190°
Preset	-	240ea
FUNCTION		
Sens-Up	Off / x2 ~ x32	Off / x2 ~ x8
Wide Dynamic Range (WDR)	Off / On (Low, Middle, High)	True WDR (Off / On, Night Off (Low,Middle,High))
Backlight Compensation (BLC)	Off / On	Off / On
HLC	1 ~ 20 Level Adjustable (All Day / Night Only)	HLC On / Off Level 0~20, Color : Black, White, Yellow, Cyan, Green, Magenta, Red, Blue
Privacy Masking	Off / On (16 Zone)	-
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable	-
Digital Noise Reduction	Off / Low / Middle / High	2D + 3DNR (Off / Low / Middle / High)
De-Fog	Off / On	Off / On
ENVIRONMENTAL		
Outdoor Ready	-	IP66
Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F) (Humidity : 0% ~ 90%)	-30°C ~ +55°C (-22°F ~ +131°F) (Humidity : 0% ~ 95%)
MECHANICAL		
Dimensions (W x H x D)	61mm x 52mm x 116mm (2.40" x 2.05" x 4.57")	Ø234mm x 301mm (Ø9.2" x 11.8")
ELECTRICAL		
Power Source	12VDC, 24VAC	12VDC / 24VAC (Heater & Fan : 24VAC)
Power Consumption	5W	Camera : 12.0W (Heater & Fan : 50.0W)

ACCESSORIES

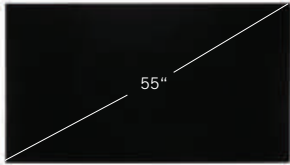
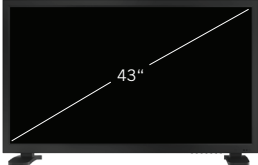
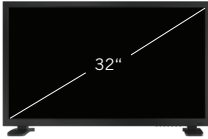


Bringing You the Ultimate Surveillance Experience

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

Model Name	VW-F552	SM-F432	SM-F212	SM-F322
	NEW 			
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	1
Display Port	1(1.2 Ver.)	-	-	-
VGA Input	1	1	1	1
DVI In/Out	1/1*	-	-	-
Audio In/Out	-	1/1	1/-	1/1
BNC Video In/Out	-	1/1	1/1	1/1
S-Video In/Out	-	-	-	-
Component Y/pb/Pr In	-	-	-	-
S/PIDF Output	-	-	-	-
RS232 In/Out	1/1(RJ45)	-	-	-
USB	1	-	-	-
GENERAL				
Outline Dimension(WxHxD)	1,213.4mm x 684.2mm x 121.85mm (47.77"x26.94"x4.79")	985.0mm x 614.77mm x 180.0 mm (38.78" x 24.20" x 7.09")	507.0mm x 370.2mm x 149.1mm (19.96" x 14.56" x 5.87")	741.2mm x 472.9mm x 180.0 mm (29.18" x 18.62" x 7.09")
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)	3.8Kg (8.38lb) / 4.8Kg (10.58lb)	12.5Kg (27.56lb) / 15.6Kg (34.4lb)
Material/Color	Metal / Black	Metal / Black	Plastic / Black	Metal / Black
Warranty-Parts/Labor	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)
Power Supply	AC100~240V(50/60Hz)	AC100~240V (50/60Hz)	DC 12V, 3A (AC100~240V[50/60Hz])	AC100~240V (50/60Hz)
Power Consumption - Typical	200W	67W	25.2W	50W
- Stand by	<0.5W	<0.5W	<0.5W	<0.5W
Power Savings(DPMS)	Yes	Yes	Yes	Yes
Operating Temperature	0°~40°C(32°F~104°F)	-10°~50°C (14°F~122°F)	0°~40°C (32°F~104°F)	-10°~50°C (14°F~122°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)
Built-In Speaker	-	Yes (5W x 2)	Yes (3W x 2)	Yes (5W x 2)
Remote Control	Yes	Yes	Yes	Yes
VESA Mount Size	600mm x 400mm / M6 x 12 Screws	300mm x 300mm / M6 x 10 Screws	100mm x 100mm / M4 x 6 Screws	200mm x 200mm / M6 x 10 Screws
Prevent Burn-In	Yes	Yes	Yes	Yes
OPTIONS				
Android Board	-	-	-	-
OPS	-	-	-	-
EXTERNAL CONTROLS				
IR Sensor (For Remote Control)	Built-in	Built-In	Built-In	Built-In
Serial In / Out	RS232-C Daisy Chain	-	-	-
USB	For Firmware Update	-	-	-

*DVI Port Pass through up to 10 X 10

NETWORK ACCESSORIES

	Network Keyboard	Long Range PoE Extender	Ethernet Over Coax Device	Single Port PoE Injector	Single Port PoE Repeater
	NK-1200	DA-LP1101R / DA-LP1101T	DA-EC3101R / DA-EC3101T	DA-PI2101	DA-PR1101
Model Name					
Key Features	· Remote control of NVRs, network video transmitters, network video receivers and network cameras via network connection · Control of NVRs by using a USB mouse via network connection · Two-way audio communication · Convenient firmware upgrades via either the USB port or ethernet · Firmware duplication and auto-recovery functions to enhance system stability · Management of multiple network keyboards via network connection · Programmable by using the LCD screen · Supports PoE (IEEE 802.3af class 0)	· 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	· 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	· 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	· Compatible with IEEE 802.3af · Supports data transfer up to 130m distance · A maximum distance of 230m can be achieved between the NVR and Camera via a DA-PR1101 · Supports PoE switch off function via PoE On / Off switch · Supports plug-and-play without setting up special IP addresses

	DirectIP Gigabit PoE Switch				
	DH-2328PF	DH-2212PF	DH-2026PF	DH-2018P	DH-2010P
Model Name					
Key Features	· Individual port data transmission to DirectIP NVR · PoE (IEEE 802.3af, IEEE 802.3at) compliant · Maximum per-device PoE delivery of 380W available for 1 to 24 RJ45 ports · Central power control for greater network utility · Supports 24 RJ45 ports and 4 SFP slots	· Individual port for data transmission to DirectIP NVR · PoE (IEEE 802.3af, IEEE 802.3at) compliant · Maximum per-device PoE delivery of 140W available for 1 to 8 RJ45 ports · Central power control for greater network utility · Supports 8+2 RJ45 ports and 2 SFP slots	NEW · Individual port data transmission to DirectIP NVR · PoE (IEEE 802.3af, IEEE 802.3at) compliant · Maximum per-device PoE delivery of 360W available for 1~24 RJ45 ports · Central power control for greater network utility · Supports 24 FE RJ45 ports and Uplink 2 GbE RJ45 / 2 GbE SFP combo slots	· Individual port data transmission to DirectIP NVR · PoE (IEEE 802.3af, IEEE 802.3at) compliant · Maximum per-device PoE delivery of 140W available for 1 to 16 RJ45 ports · Central power control for greater network utility · Supports 16+2 RJ45 ports	· Individual port for data transmission to DirectIP NVR · PoE (IEEE 802.3af, IEEE 802.3at) compliant · Maximum per-device PoE delivery of 70W available for 1 to 8 RJ45 ports · Central power control for greater network utility · Supports 8+2 RJ45 ports

NETWORK ACCESSORIES

	SFP Transceiver	
	FTLF1318P-3BTL	FTLF8519P-3BNL
Model Name		
Key Features	· Up to 10km on 9/125µm SMF · Up to 1.25Gb/s bi-directional data links · Hot-pluggable SFP footprint · 1310nm Fabry-Perot laser transmitter · Compatibility with DH series and DA-MC1101	· Up to 500m on 50/125µm MMF, 300m on 62.5/125µm MMF · Up to 2.125 Gb/s bi-directional data links · Hot-pluggable SFP footprint · 850nm Oxide VCSEL laser transmitter · Compatibility with DH series and DA-MC1101

	4 Bay eSATA Storage			
	DA-ES1104	DA-ES1104B	DA-ES1104C	NEW 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	DR-22/41/42/61/62xx NVR, DR-8364(F)(R) NVR, HD-TVI DVR	DR-23/43/63xx NVR, DR-24xx NVR, DR-8416/8432(D)	Compatible Recorder : IR-100, IR-300, DR-8364(F)(R) v5.4.1 or higher	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	30ips @ 960H per Channel
Multi Streaming Video	Quadruple Stream
Max. Network Throughput	48Mbps (DE-1104), 64Mbps (DE-1108)
Audio In / Out	4 RCA / -
PTZ Support	Yes (RS485)
Trigger Events	Motion Detection Video Loss Tampering
PoE (Class)	Yes (IEEE 802.3af Class 3)
Power Source	12VDC, PoE
Power Consumption	12V =, 1.0A, 12W PoE, IEEE 802.3af (Class 3)
Approvals	FCC, CE

	HDMI/VGA Video Encoder
	HE-1101
Model Name	
Video codec	H.265, H.264, MJPEG, Intelligent Codec
Max. Framerate	1920 x 1080 @ 30ips
Bitrate	Up to 12MP
Max Resolution	1920 x 1080
Streaming	Quadruple Streaming
Max.Network Throughput	30Mbps
Built in OSD	English, Korean
Input	1 x HDMI, 1 x VGA
Output	1 x HDMI (Input Bypass) 1 x VGA (Input Bypass)
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 480ips
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

NETWORK SOFTWARE

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 centralized 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 centralized 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 centralized 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 minimizing network traffic during your peak hours of operation. Further, the IDIS Solution Suite Backup service provides two additional options to maximize 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 centralized management of access privilege control over devices registered to multiple IDIS Solution Suite systems.

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

Failover

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

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

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.



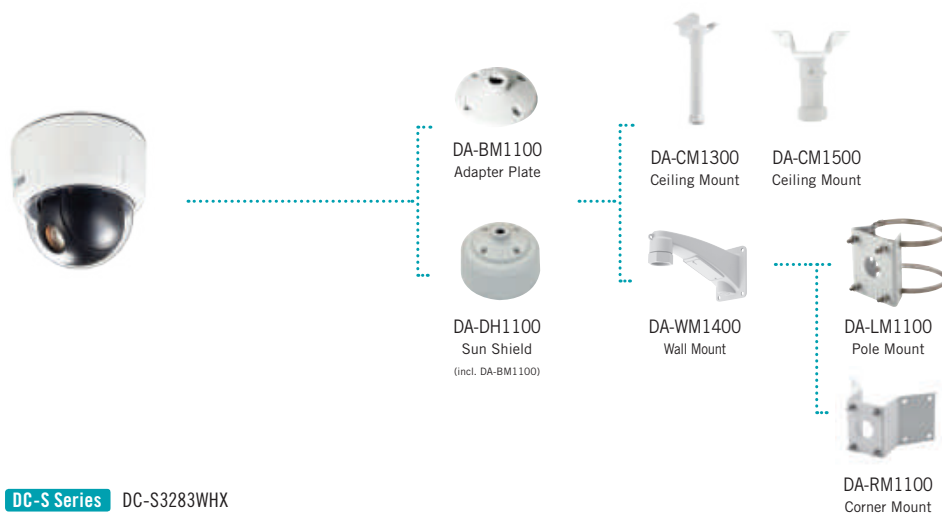
IDIS WEB

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

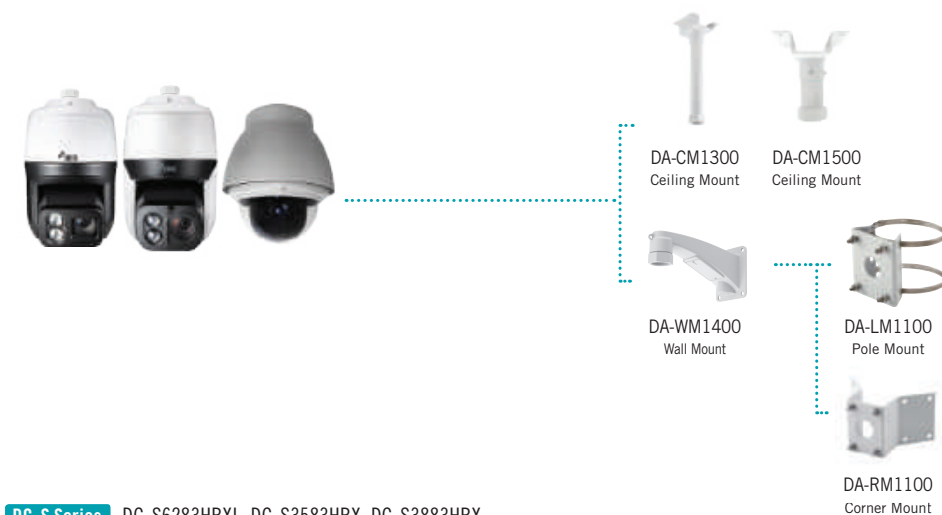


SPEED DOME (1)



DC-S Series DC-S3283WHX

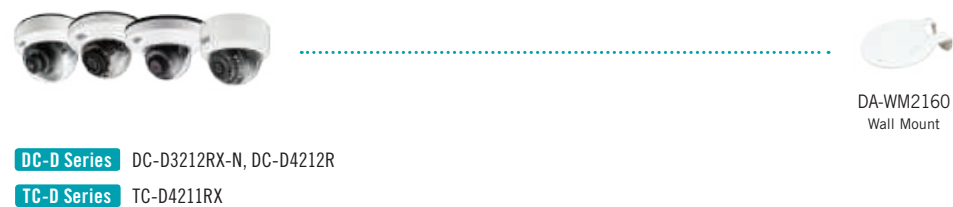
SPEED DOME (2)



DC-S Series DC-S6283HRXL, DC-S3583HRX, DC-S3883HRX

TC-S Series TC-S1283WHX

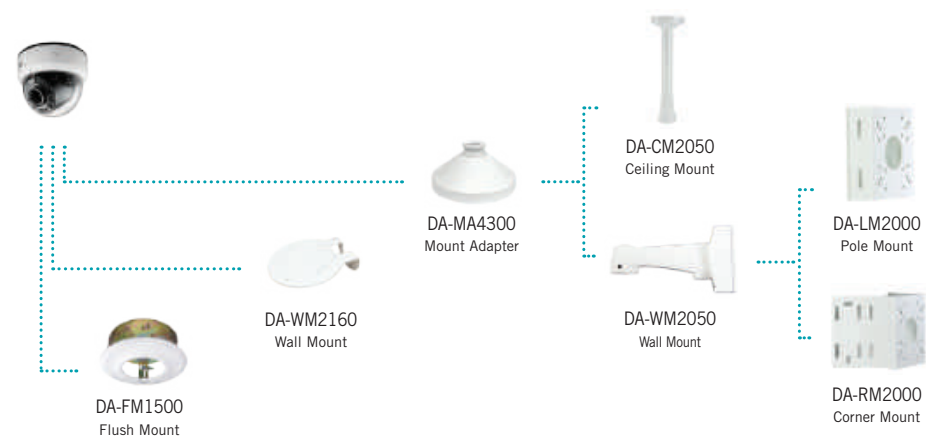
DOME (1)



DC-D Series DC-D3212RX-N, DC-D4212R

TC-D Series TC-D4211RX

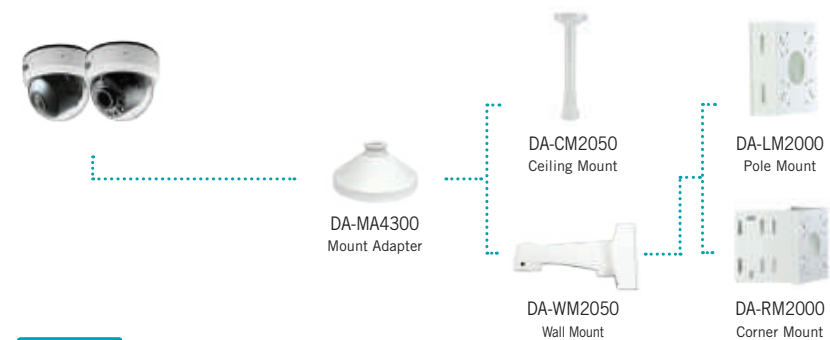
DOME (2)



DC-D Series DC-D4223RX, DC-D4233RX, DC-D4533RX

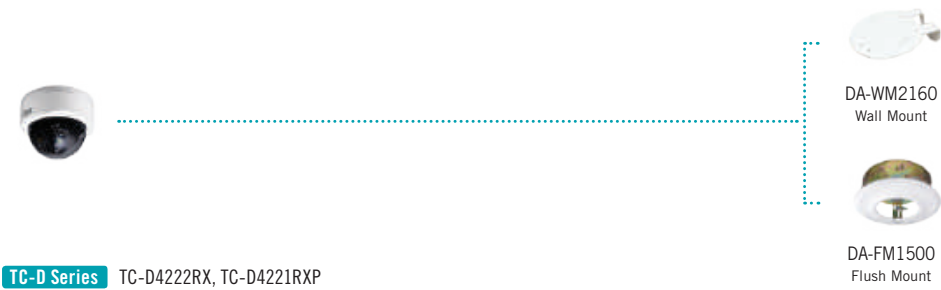
TC-D Series TC-D5531RX, TC-D5531RXP

DOME (2-1)

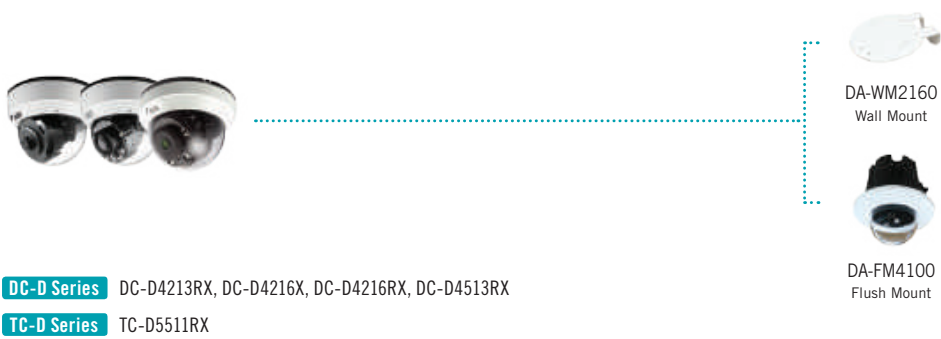


DC-D Series DC-D4236X, DC-D4236RX

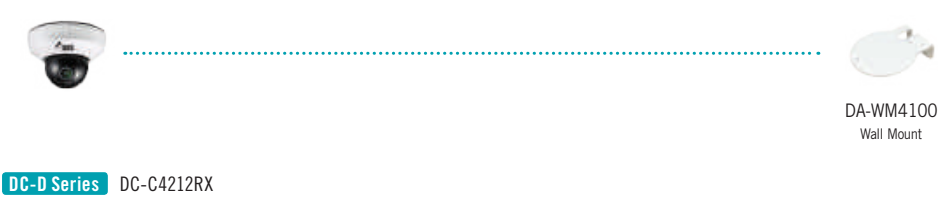
DOME (3)



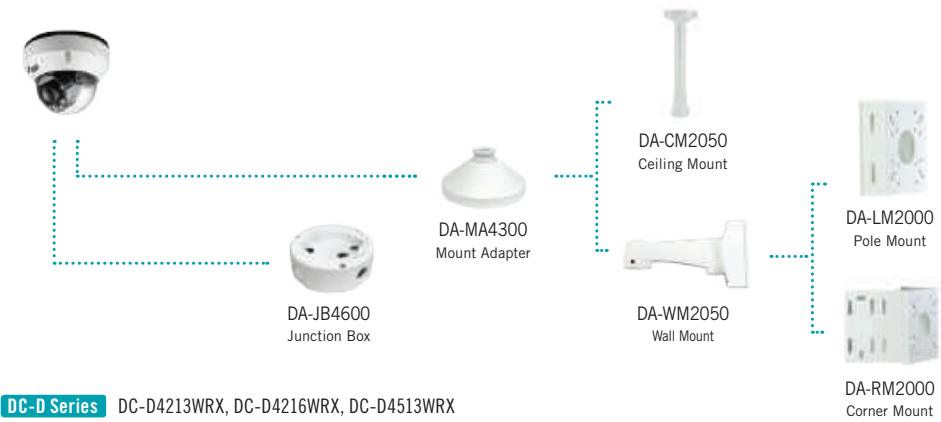
DOME (4)



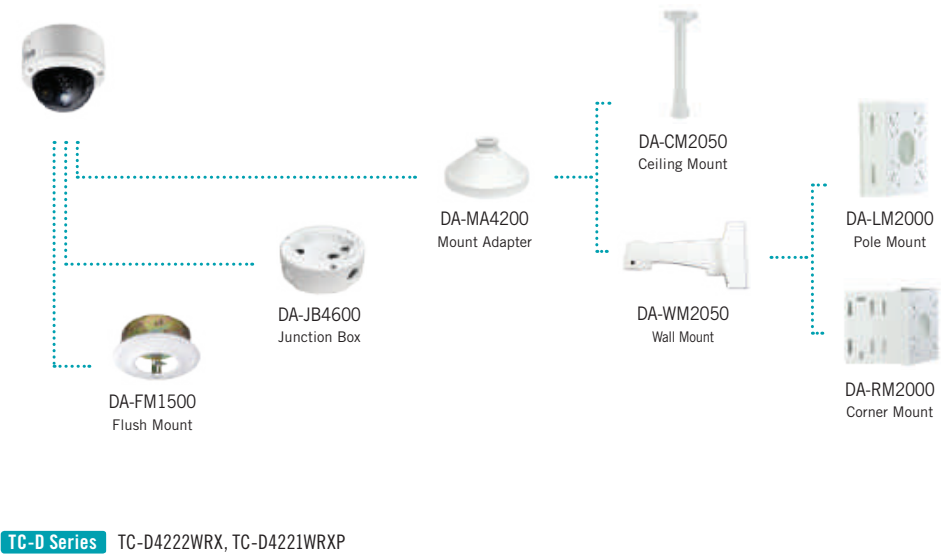
DOME (5)



DOME (6)



DOME (7)



DOME (8)



DC-D Series DC-D3233X, DC-D3233RX, DC-D3233WRX, DC-D3233HRX, DC-D4223WRX, DC-D4233WRX, DC-D4233HRX, DC-D4236WRX, DC-D4236HRX, DC-D4533HRX

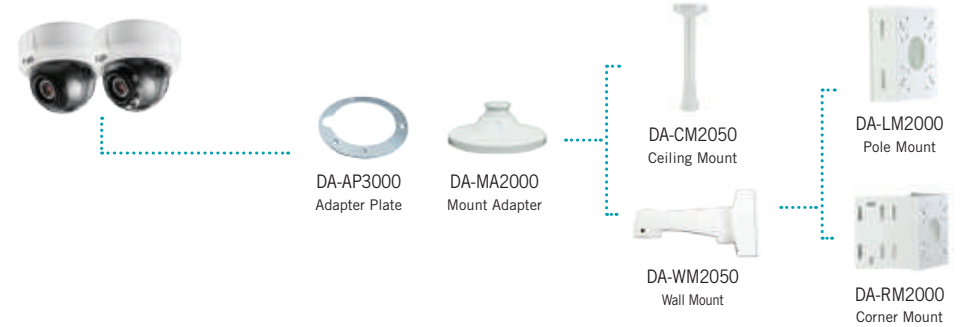
TC-D Series TC-D5531WRX, TC-D5531WRXP

DOME (8-1)



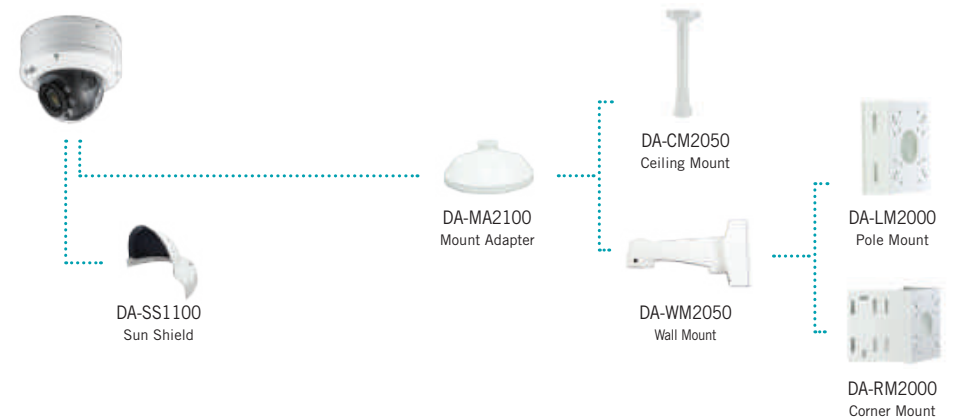
DC-D Series DC-D3533RX

DOME (9)



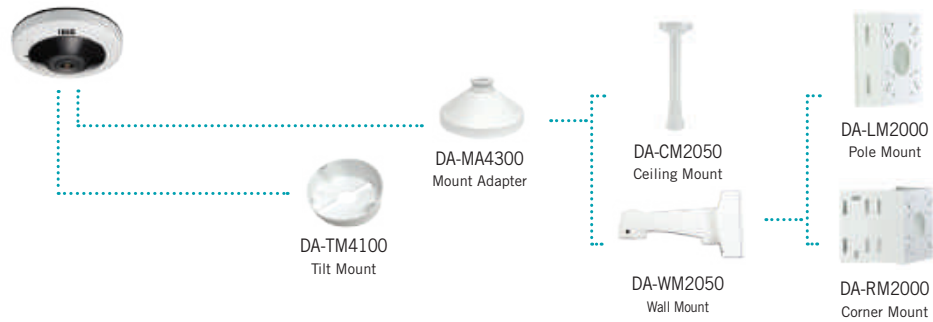
DC-D Series DC-D3233X-N, DC-D3233RX-N, DC-D6233X, DC-D6233RX

DOME (10)



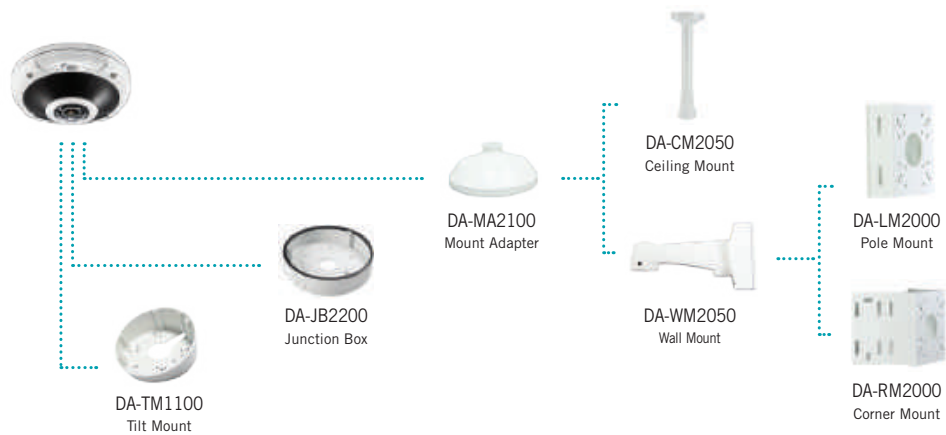
DC-D Series DC-D3233HRX-N, DC-D3233HRXL, DC-D3243HRX-N, DC-D3533HRX, DC-D3C33HRX, DC-D6233HRX, DC-D6233HRXL, DC-D6243HRX

FISHEYE (2)



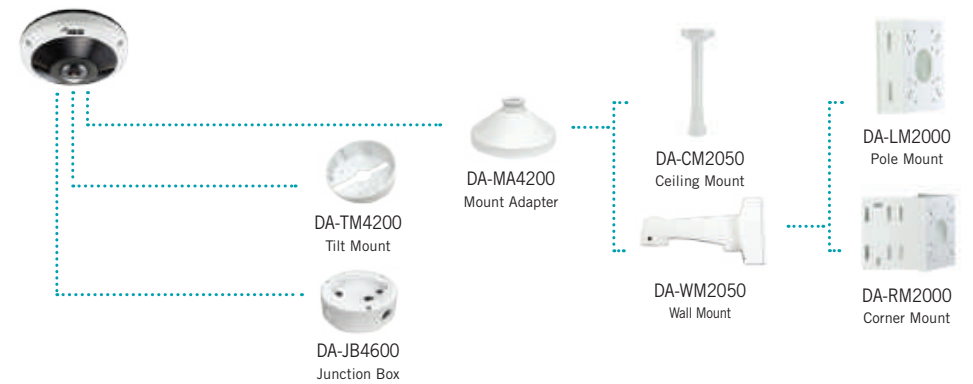
DC-Y Series DC-Y6513RX

FISHEYE (1)



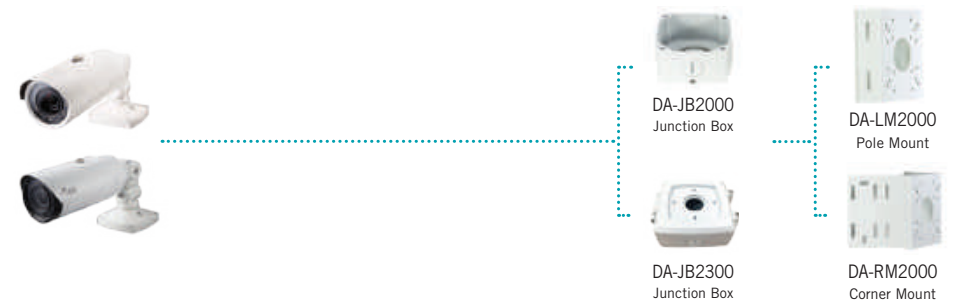
DC-Y Series DC-Y3C14WRX, DC-Y8C13WRX, DC-Y8C13RX

FISHEYE (3)



DC-Y Series DC-Y6513WRX

BULLET (1)



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

BULLET (2)



DC-T Series DC-T3C33HRX

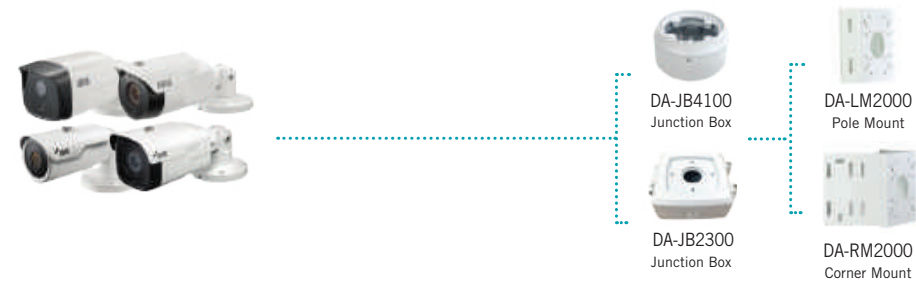
BULLET (4)



TC-T Series TC-T4222WRX, TC-T4221WRXP

TC-E Series TC-E4211WRX

BULLET (3)

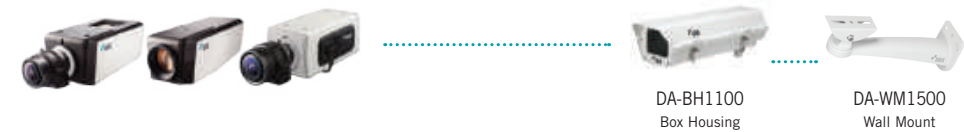


DC-E Series DC-E4212WR, DC-E4213WRX, DC-E4216WRX, DC-E4513WRX

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

TC-T Series TC-T5531WRX, TC-T5531WRXP

BOX / ZOOM



DC-B Series DC-B3303X, DC-B1803

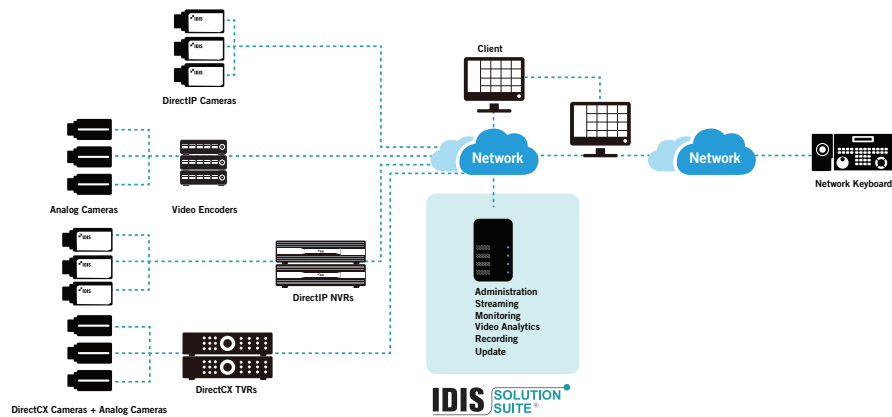
DC-Z Series DC-Z1263

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

APPLICATIONS

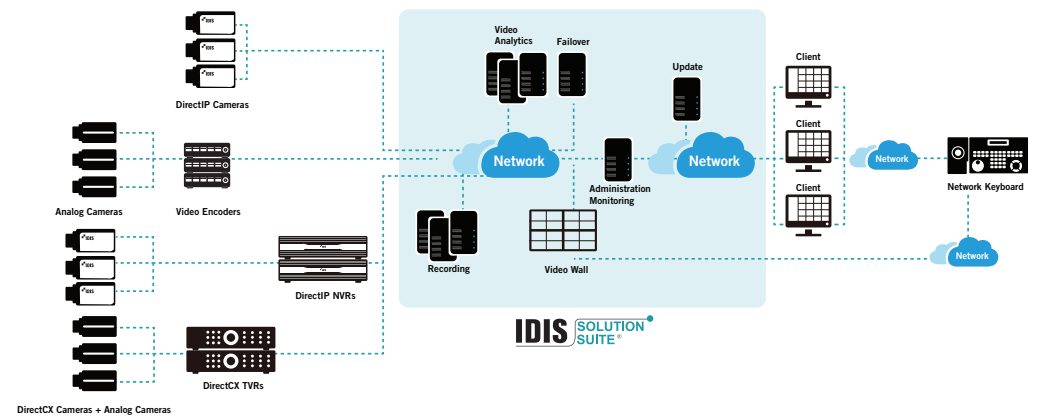
Small Business Installation

- Easy to install
- HD surveillance
- Affordable video solution



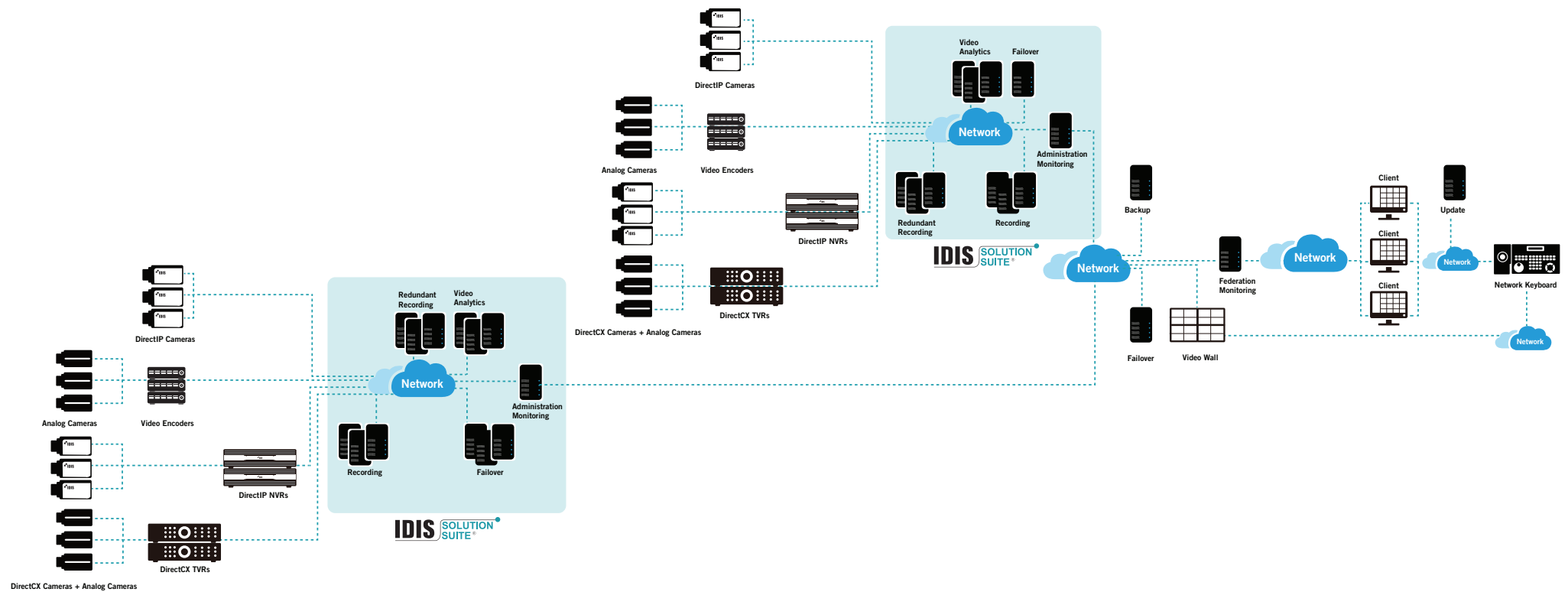
Medium Business Installation

- 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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