

# 2017

PRODUCT LINEUP BROCHURE





Celebrating Two Decades of Innovation

**IDIS was founded in 1997** by experts in computer science and artificial intelligence and is celebrating two decades of next-generation, game-changing innovation this year!

Over the past 20 years, IDIS has grown to be 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 total solution provider with more than two million recorders installed worldwide and over 16.5 million cameras utilizing IDIS technology.

Throughout 2017, we'll be celebrating our 20 years in the security industry across the globe at our regional offices, over social media, during major tradeshows and local events, and with our partners and customers.

The entire global IDIS team invites you to celebrate our 20th anniversary with us all year long. To learn more about the IDIS legacy and follow everything we're doing to celebrate our 20th anniversary, visit [www.idisglobal.com/idis20](http://www.idisglobal.com/idis20).



## ABOUT IDIS



**One Solution. One Company.**

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, scalable, and is able to meet every surveillance need—all with unrivalled performance, quality, and low total cost of ownership.

## IDIS HISTORY

---



IDIS was founded in 1997 by experts in computer science and artificial intelligence: Y.D. Kim, Albert Ryu, and J.H. Jeong.

The company was named Intelligent Digital Integrated Security Co., Ltd. and focused on digital video recording (DVR) technology. The company quickly grew, gaining certification as a “Technology Venture Oriented Company” in 1999 and a listing on the KOSDAQ stock exchange in 2001. ISO9001/14001 certifications followed and in 2006, the company obtained RoHS certification, a first in the DVR industry. The company also became the number one seller of DVRs in the surveillance industry as it was an Original Design Manufacturer/Original Equipment Manufacturer (ODM/OEM) for leading surveillance solution providers.

In the mid-2000s, the company began a series of in-house innovations and acquisitions that expanded the company’s focus beyond DVRs to include next-generation camera and network video recording (NVR) offerings as well as industrial display technologies.

By 2013, IDIS had moved beyond an exclusive industry role as an ODM/OEM for leading surveillance solutions providers, launching a branded security solution, DirectIP™, at the IFSEC International security exhibition in Birmingham, United Kingdom. The company subsequently launched DirectIP and other components of the IDIS Total Solution in the Middle East in 2014 at the Intersec exhibition in Dubai, United Arab Emirates, and in the Americas in 2015 at the ISC West tradeshow in Las Vegas, Nevada. Additionally, at each regional launch, the company debuted regional headquarters and staff dedicated to the sale and support of IDIS branded offerings in those areas.



# THE IDIS DIFFERENCE



## 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 (MP) IP cameras, four to 64 channel NVRs, monitors, network accessories, a choice of video management software (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 a cost-free 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.

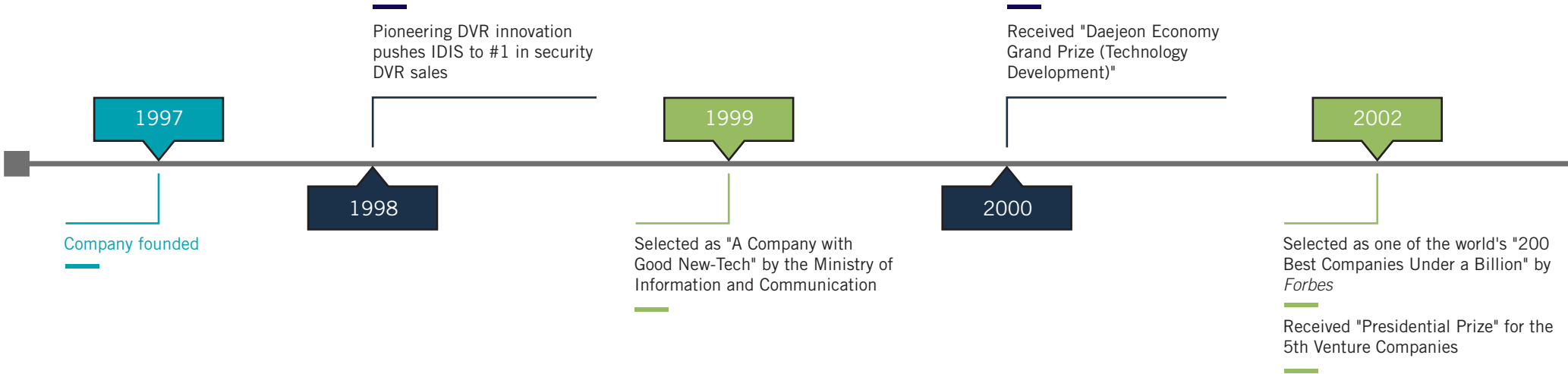


## Integrity

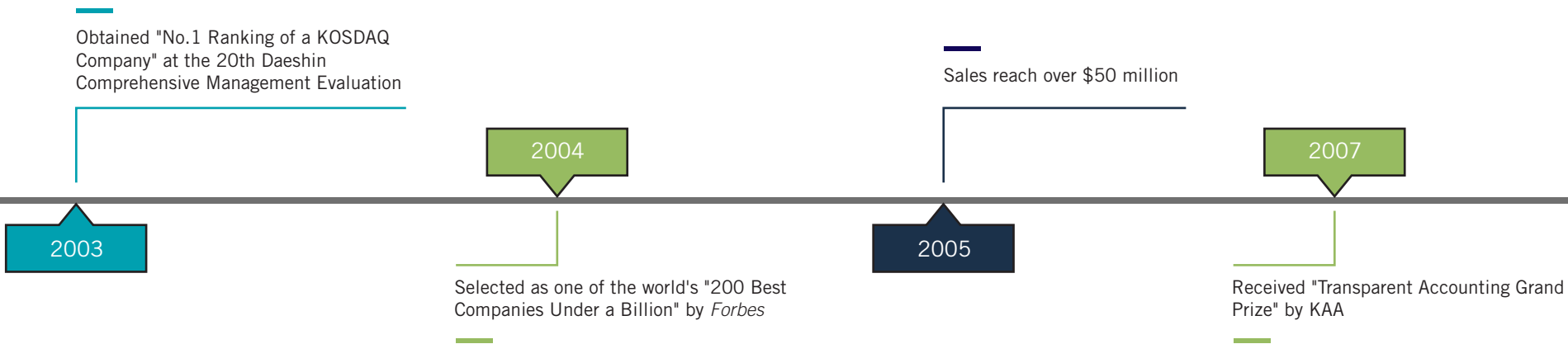
Our integrity means you can trust us and the technology we provide. We ensure we comply with the legal and regulatory requirements at both global and local levels and seek to be transparent at all times in the way we do business. We believe in open and candid communications with our customers and partners 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

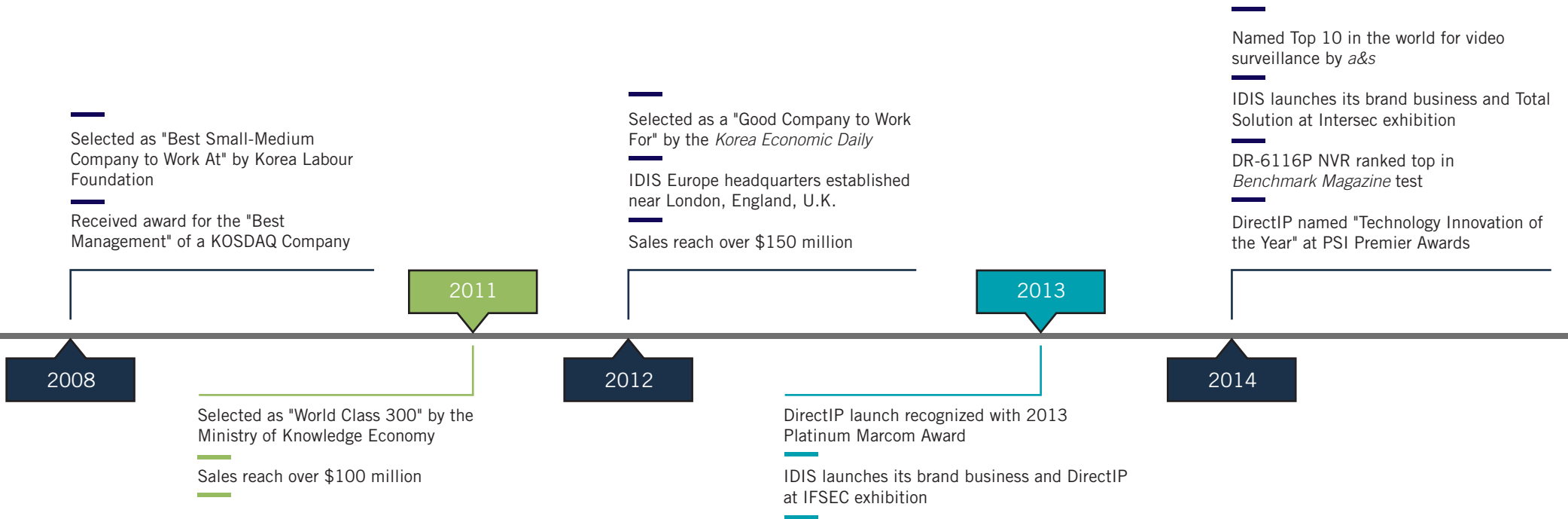








# IDIS MILESTONES



2015

IDIS launches its brand business and Total Solution at ISC West tradeshow

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

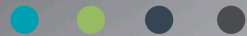
Double finalist at IFSEC's Security & Fire Excellence Awards

2017

IDIS celebrates its 20th anniversary



Celebrating Two Decades of Innovation



# Network Video Recorders



## Make Your Surveillance Future Proof

- 1 Flexible, scalable, forward compatible technology
- 2 High performance and reliable solutions for every need
- 3 Simple legacy migration and off-the-shelf integration

IDIS delivers total surveillance solutions combining highest quality, world-class performance, and a low total cost of ownership. Easily scaled and adapted, IDIS meets both current and future requirements.

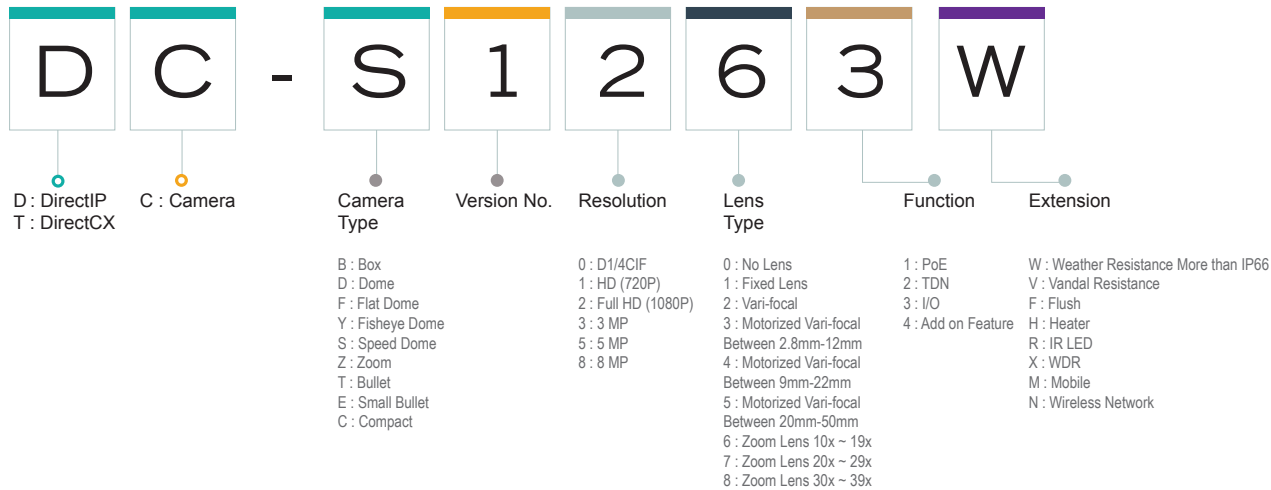


# NAMING STRUCTURE

## Network Video Recorders



## Network Cameras





**Direct IP**<sup>™</sup> ONVIF full member

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



### 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 set up and handle DirectIP cameras without a PC.

DirectIP is a networked HD video surveillance solution platform with NVRs similar to traditional DVRs. DirectIP defines a set of protocols and operations among DirectIP devices as well as a set of methods to connect to DirectIP devices.

# 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 NVRs with a full-featured, completely cost-free 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

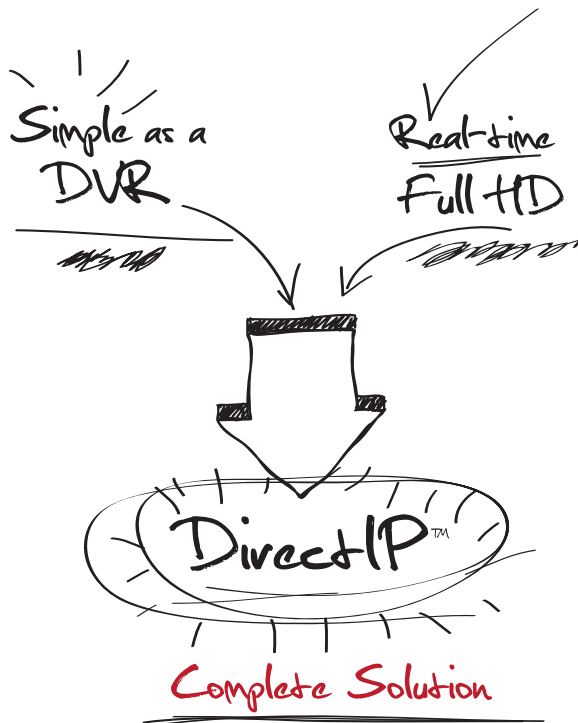
With IDIS DirectIP, say goodbye to the calculations and guesswork previously required to determine the necessary specs for a PC server. Questions such as “what CPU do I need,” “what VGA will be required,” “how much RAM will the system need,” or “is there enough network bandwidth” no longer need to be asked. The only thing users have to determine is how much storage will be required—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 allow for the management of up to 64,000 IP cameras, while IDIS Solution Suite supports an unlimited number of IP cameras. Multiple NVRs can be united as one system to create a mini matrix.

## Reduced Maintenance Requirements Mean Lowered Costs


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






# Network Video Recorders



Model Name	DR-2300P Series		
	NEW DR-2304P	NEW DR-2308P	NEW DR-2316P
			
<b>VIDEO</b>			
Video Inputs	4 IP Channels	8 IP Channels	16 IP Channels
Max. Incoming Throughput	140Mbps	230Mbps	300Mbps
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF		
Video Outputs	1 HDMI, 1 VGA		
Display Resolution	3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200		
Display Speed	Up to 120ips	Up to 240ips	Up to 480ips
<b>RECORDING</b>			
Max. Throughput	50Mbps, 120ips@Full HD, 60ips @ 4K(UHD)	100Mbps, 240ips @ Full HD, 120ips @ 4K(UHD)	160Mbps, 480ips@Full HD, 120ips @ 4K (UHD)
Recording Resolution	Up to 8MP (Depending on IP Camera)		
Compression	H.265, H.264		
Recording Mode	Time-lapse, Event, Pre-event, Panic		
<b>PLAYBACK</b>			
Performance	4ch 4K, Playback	8ch Full HD synchronous playback, 4ch 4K playback	16ch Full HD synchronous playback, 4ch 4K playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in		
<b>STORAGE</b>			
HDD	SATA x 2, eSATA x 1, (Up to 6TB Capacity for Each Disk)		
Total Capacity	36TB = 6TB x (2 + 1 x 4)		
<b>NETWORK</b>			
Client Connection	Gigabit Ethernet (Client) x 1		
Video In Connection	Fast Ethernet (IP Camera) x 4	Fast Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1	Fast Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)		
Camera Power	PoE (IEEE 802.3at Class 4) Supported 4 Ports, 30W	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 50W	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 50W
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite		
<b>INTERFACE</b>			
Audio In / Out	Local (NVR) : - / 1 RCA + 1 HDMI IP Camera : 4 / 4 (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 : 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 4 / 4 (Depending on IP Camera)	Local (NVR) : 4 / 1 IP Camera : 8 / 8 (Depending on IP Camera)	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)
Alarm Reset In	-		
Serial Interface	RS232 (Terminal Block)		
USB	USB 2.0 x 1, USB 3.0 x 1		
<b>GENERAL</b>			
Operating System	Embedded Linux		
Power Input	DC 12V 1.76A (for NVR), DC 48V 0.65A (for PSE)	DC 12V 1.76A (for NVR), DC 48V 1.1A (for PSE)	DC 12V 1.76A (for NVR), DC 48V 1.1A (for PSE)
Power Consumption	Max. 21.12W (for NVR), Max. 31.2W (for PSE)	Max. 21.12W (for NVR), Max. 52.8W (for PSE)	Max. 21.12W (for NVR), Max. 52.8W (for PSE)
Approvals	FCC, CE, KC		



DR-6200P Series				
Model Name	DR-6216P(-S)	DR-6232P(-S)	DR-6216PS(-S)	DR-6232PS(-S)
				
<b>VIDEO</b>				
<b>Video Inputs</b>	16 IP Channels	32 IP Channels	16 IP Channels	32 IP Channels
<b>Max. Incoming Throughput</b>	260Mbps	330Mbps	260Mbps	330Mbps
<b>Supported Camera</b>	DirectIP, AXIS, PANASONIC, ONVIF			
<b>Video Outputs</b>	1 HDMI, 1 VGA			
<b>Display Resolution</b>	1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200			
<b>Display Speed</b>	Up to 480ips	Up to 960ips	Up to 480ips	Up to 960ips
<b>RECORDING</b>				
<b>Max. Throughput</b>	160Mbps, 480ips @ Full HD	230Mbps, 960ips @ Full HD	160Mbps, 480ips @ Full HD	230Mbps, 960ips @ Full HD
<b>Recording Resolution</b>	Up to 8MP (Depending on IP Camera)			
<b>Compression</b>	H.264			
<b>Recording Mode</b>	Time-Lapse, Event, Pre-Event, Panic			
<b>PLAYBACK</b>				
<b>Performance</b>	4ch Full HD Synchronous Playback			
<b>Search Mode</b>	Time-lapse, Event log, Thumbnail, Motion, Text-in			
<b>STORAGE</b>				
<b>HDD</b>	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk) RAID 1 supported			
<b>Total Capacity</b>	132TB = 6TB x (6(Internal) + 4 x 4(External))			
<b>NETWORK</b>				
<b>Client Connection</b>	Gigabit Ethernet(Client) x 1			
<b>Video in Connection</b>	Gigabit Ethernet (IP Camera) x 8 + Gigabit Ethernet(Ext) x 1		Fast Ethernet (IP Camera) x 16 + Gigabit Ethernet(Ext) x 1	
<b>Transmission Speed</b>	50Mbps / 100Mbps (BRP Mode)			
<b>Camera Power</b>	PoE(IEEE 802.3at class 4) Supported 8 Ports, 120W		PoE(IEEE 802.3at class 4) Supported 16 Ports, 120W	
<b>Client Viewer</b>	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite			
<b>INTERFACE</b>				
<b>Audio In / Out</b>	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 : 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 : 32 / 32 (Depending on IP Camera)
<b>Alarm In / Out</b>	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)	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 : 32 / 32 (Depending on IP Camera)
<b>Alarm Reset In</b>	1			
<b>Serial Interface</b>	RS232 (Terminal Block), RS485 (Terminal Block)			
<b>USB</b>	USB 2.0 x 2			
<b>GENERAL</b>				
<b>Operating System</b>	Embedded Linux			
<b>Power Input</b>	AC 100-240 V, 50/60Hz, 3.0 ~ 1.5A			
<b>Power Consumption</b>	Max. 200W (With 6 HDDs)			
<b>Approvals</b>	FCC, CE, KC, CB, UL, PSE / FCC, CE, CB, UL (DR-6216P-S)	FCC, CE, KC, CB, UL, PSE / FCC, CE, CB, UL (DR-6232P-S)	FCC, CE, KC, CB, UL, PSE / FCC, CE, CB, UL (DR-6216PS-S)	FCC, CE, KC, CB, UL, PSE / FCC, CE, CB, UL (DR-6232PS-S)

# NETWORK VIDEO RECORDERS



Model Name	DR-6300P Series		
	DR-6308P(-S)	DR-6316PS(-S)	DR-6332PS(-S)
	 		
<b>VIDEO</b>			
Video Inputs	8 IP Channels	16 IP Channels	32 IP Channels
Max. Incoming Throughput	230Mbps	300Mbps	350Mbps
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF		
Video Outputs	1 HDMI, 1 VGA		
Display Resolution	3840x2160, 1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200		
Display Speed	Up to 240ips	Up to 480ips	Up to 960ips
<b>RECORDING</b>			
Max. Throughput	100Mbps, 240ips @ Full HD, 120ips @ 4K (UHD)	160Mbps, 480ips @ Full HD, 240ips @ 4K (UHD)	230Mbps, 960ips @ Full HD, 240ips @ 4K (UHD)
Recording Resolution	Up to 8MP (Depending on IP Camera)		
Compression	H.265, H.264		
Recording Mode	Time-lapse, Event, Pre-event, Panic		
<b>PLAYBACK</b>			
Performance	8ch Full HD Synchronous Playback 4ch 4K Playback	16ch Full HD Synchronous Playback 4ch 4K Playback	
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in		
<b>STORAGE</b>			
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk) RAID 1 Supported		
Total Capacity	132TB = 6TB x 6 (Internal) + 4 x 4(External))		
<b>NETWORK</b>			
Client Connection	Gigabit Ethernet (Client) x 1		
Video In Connection	Gigabit Ethernet (IP Camera) x 8 + Gigabit Ethernet(Ext) x 1	Gigabit Ethernet (IP Camera) x 16 + Gigabit Ethernet(Ext) x 1	Gigabit Ethernet (IP Camera) x 32 + Gigabit Ethernet(Ext) x 1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)		
Camera Power	PoE(IEEE 802.3at Class 4) Supported 8 Ports, 120W	PoE(IEEE 802.3at Class 4) Supported 16 Ports, 120W	
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite		
<b>INTERFACE</b>			
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera :8 / 8 (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 : 32 / 32 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera :8 / 8 (Depending on IP Camera)	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)	Local (NVR) : 4 / 1 IP Camera : 32 / 32 (Depending on IP Camera)
Alarm Reset In	1		
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)		
USB	USB 2.0 x 1, USB 3.0 x 1		
<b>GENERAL</b>			
Operating System	Embedded Linux		
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A		
Power Consumption	Max. 200W (With 6 HDDs)		
Approvals	FCC, UL, CE, CB, KC		



# 8300 Series 64 Channel Real-time Full HD Recorder

# NETWORK VIDEO RECORDERS



DR-8300 Series		
Model Name	DR-8364	DR-8364D
		
<b>VIDEO</b>		
Video Inputs	64 IP Channels	64 IP Channels
Max. Incoming Throughput	900Mbps	900Mbps
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF	DirectIP, AXIS, PANASONIC, ONVIF
Video Outputs	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Display Resolution	3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200	3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 1920ips	Up to 1920ips
<b>RECORDING</b>		
Max. Throughput	400Mbps, 1920ips @ Full HD 240ips @ 4K (UHD)	400Mbps, 1920ips @ Full HD 240ips @ 4K (UHD)
Recording Resolution	Up to 8MP (Depending on IP Camera)	Up to 12MP (Depending on IP Camera)
Compression	H.265, H.264	
Recording Mode	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic
<b>PLAYBACK</b>		
Performance	16ch Full HD Synchronous Playback 4ch 4K Playback	16ch Full HD Synchronous Playback 4ch 4K Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in	Time-lapse, Event Log, Thumbnail, Motion, Text-in
<b>STORAGE</b>		
HDD	SATA x 8, eSATA x 4, (Up to 6TB Capacity for Each Disk), RAID 1, 5, 10 Supported	SATA x 8, eSATA x 4, (Up to 6TB Capacity for Each Disk), RAID 1, 5, 10 supported
Total Capacity	144TB = 6TB x (8 (Internal) + 4 x 4 (External))	144TB = 6TB x (8 (Internal) + 4 x 4 (External))
<b>NETWORK</b>		
Client Connection	Gigabit Ethernet (Client) x 1	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (Video In) x 3, SFP (Video In) x 2	Gigabit Ethernet (Video In) x 3, SFP (Video In) x 2
Transmission Speed	400Mbps / 500Mbps (BRP Mode)	400Mbps / 500Mbps (BRP Mode)
Camera Power	-	-
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
<b>INTERFACE</b>		
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 64 / 64 (Depending on IP Camera)	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)	Local (NVR) : 4 / 1 IP Camera : 64 / 64 (Depending on IP Camera)
Alarm Reset In	1	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2, USB 3.0 x 1	USB 2.0 x 2, USB 3.0 x 1
<b>GENERAL</b>		
Operating System	Embedded Linux	Embedded Linux
Power Input	AC 100-240 V, 50/60Hz, 2.0 - 1.0A	AC 100-240 V, 50/60Hz, 2.0 - 1.0A (Redundant Power)
Power Consumption	120W (With 8 HDDs)	120W (With 8 HDDs)
Certifications	FCC, UL, CE, CB, KC	FCC, UL, CE, CB, KC



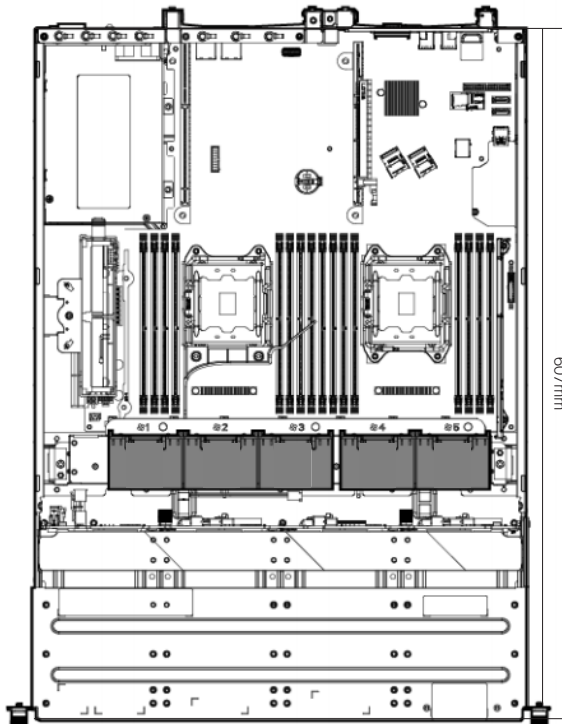
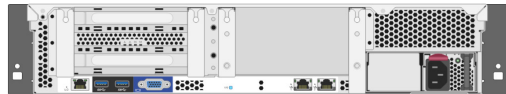
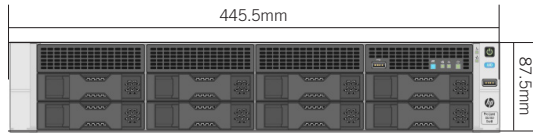
# IDIS Enterprise NVR IR-1000



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
- Storage capacity option, up to 48TB expandable using 2U storage (Serial Attached SCSI Hard Disks)
- Supports up to 256 Full HD cameras in real-time for enterprise-level surveillance systems
- 1,536Mbps (192MBps) maximum recording bandwidth per server
- Redundancy of power for mission-critical reliability
- Complete compatibility with IDIS components, from analog DVR, TVR, and encoders to IP systems
- Equipped with RAID 5 recording, Hot swappable
- 2U rack mount chassis with sliding rails and cable management arm, for ease of serviceability
- Supports H.264, H.265 compression
- Supports Onvif Profile S
- Built-in graphic card

## DIMENSIONS



## SPECIFICATIONS

IR-1000		
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 1536Mbps (192MBps)
	Number of Cameras	Up to 256
	Recording Storage Capacity	Up to 48TB Raw, 42TB Effective (RAID 5 - 6TB, 8 Bay)
	Hard Disk Drive Configuration	Up to 8 x Large Form Factor Near-line SATA Hard Disk Drives, Hot-swappable, RAID 5
	Operating System	Microsoft® Windows Embedded Standard 8 / Microsoft® Windows Server 2012 R2 (Optional)
	Processor	Intel® Xeon® Processor E5-2620v4 : 2.1GHz/8-core/DDR4 2133
	Memory	8GB RAM (1 x 8GB DDR4-2133MHz RDIMMs)
	Video Outputs	1 VGA
MECHANICAL	Optical Drive	1 DVD-RW (Optional, External)
	Form Factor	2U Rack Mount Chassis
	Dimensions (W x D x H)	445.4mm x 607mm x 87.5mm (17.54in x 23.9in x 3.44in)
	Weight	Maximum 42.31lb (19.19kg)
ELECTRICAL	Power Input	AC 100V-240V
	Power Supply	Single / Redundant, Hot Swappable (Optional)
	Power Consumption	900W
ENVIRONMENTAL	Operating Temperature	10° to 35°C (50° to 95°F)
	Storage Temperature	-30° to 60°C (-22° to 140°F)
	Operating Humidity	8% to 90% Relative Humidity
	Non-operating Humidity	5% to 95% Relative Humidity, 38.7°C (101.7°F) Maximum Wet Bulb Temperature, Non-condensing
	Operating Vibration	Random Vibration at 0.000075 G²/Hz, 10Hz to 300Hz, (0.15 G's Nominal)
	Storage Vibration	Random Vibration at 0.0005 G²/Hz, 10Hz to 500Hz, (0.5 G's Nominal)
	Operating Shock	2 Gs (The Values Represent a Peak Input Acceleration During 11ms Half-sine Shock Pulse)
	Storage Shock	15 Gs (The Values Represent a Peak Input Acceleration During 11ms Half-sine Shock Pulse)
SUPPLIED	Operating Altitude	3048m (10,000ft)
	Storage Altitude	9144m (30,000ft)
	Rack Mount Kit	Brackets, Rails, Hardware
ACCESSORIES	Cable Management Arm	Yes
	Rack Bezel	1, Front
	Power Cord	1
CERTIFICATIONS	Emissions Classification (EMC)	FCC Rating Class A CISPR 22; EN55022; EN55024; FCC CFR 47; Pt 15; ICES-003; CvNS14336-1; CNS13438; GB4943; GB9254; EN 61000-3-2; EN61000-3-3; EN 60950-1; IEC 60950-1
	Directives	RoHS, Reach (SVHC), WEEE

## ORDERING INFORMATION

Part Number	Description
IR-1000-4TB W8E SP	IDIS Enterprise NVR, 4TB / Single Power Supply with Microsoft Windows Embedded Standard 8 and IDIS Solution Suite Expert
IR-1000-16TB W8E SP	IDIS Enterprise NVR, 16TB, RAID5 / Single Power Supply with Microsoft Windows Embedded Standard 8 and IDIS Solution Suite Expert
IR-1000-32TB W8E SP	IDIS Enterprise NVR, 32TB, RAID5 / Single Power Supply with Microsoft Windows Embedded Standard 8 and IDIS Solution Suite Expert
IR-1000-48TB W8E SP	IDIS Enterprise NVR, 48TB, RAID5 / Single Power Supply with Microsoft Windows Embedded Standard 8 and IDIS Solution Suite Expert
IR-1000-16TB WS12 SP	IDIS Enterprise NVR, 16TB, RAID5 / Single Power Supply with Microsoft Windows Server 2012 R2 and IDIS Solution Suite Expert
IR-1000-32TB WS12 SP	IDIS Enterprise NVR, 32TB, RAID5 / Single Power Supply with Microsoft Windows Server 2012 R2 and IDIS Solution Suite Expert
IR-1000-48TB WS12 SP	IDIS Enterprise NVR, 48TB, RAID5 / Single Power Supply with Microsoft Windows Server 2012 R2 and IDIS Solution Suite Expert
IR-1000-16TB W8E DP	IDIS Enterprise NVR, 16TB, RAID5 / Redundant Power with Microsoft Windows Embedded Standard 8 and IDIS Solution Suite Expert
IR-1000-32TB W8E DP	IDIS Enterprise NVR, 32TB, RAID5 / Redundant Power with Microsoft Windows Embedded Standard 8 and IDIS Solution Suite Expert
IR-1000-48TB W8E DP	IDIS Enterprise NVR, 48TB, RAID5 / Redundant Power with Microsoft Windows Embedded Standard 8 and IDIS Solution Suite Expert
IR-1000-16TB WS12 DP	IDIS Enterprise NVR, 16TB, RAID5 / Redundant Power with Microsoft Windows Server 2012 R2 and IDIS Solution Suite Expert
IR-1000-32TB WS12 DP	IDIS Enterprise NVR, 32TB, RAID5 / Redundant Power with Microsoft Windows Server 2012 R2 and IDIS Solution Suite Expert
IR-1000-48TB WS12 DP	IDIS Enterprise NVR, 48TB, RAID5 / Redundant Power with Microsoft Windows Server 2012 R2 and IDIS Solution Suite Expert
IR-1000-3Y WTY NBD	3 Year Next Day Full Care Service
IR-1000-3Y WTY 24HR	3 Year 24/7 Full Care Service



# IDIS Expansion Storage

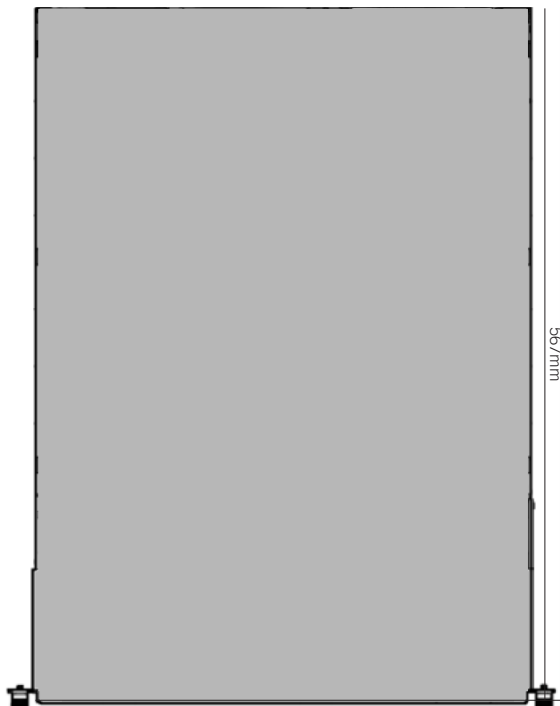
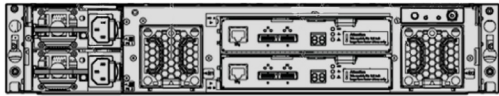
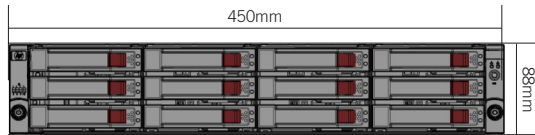
## IS-1000



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

- Storage capacity expansion with IDIS Enterprise NVR
- RAID 5 and 6 hard disk configuration
- Support up to 60TB with RAID 6 support
- Cascading 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 coolings
- Extensive faulty prediction capability
- 2U rack mount chassis

## DIMENSIONS



## SPECIFICATIONS

IS-1000		
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)
	Interface to IDIS Enterprise NVR	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 D x H)	450mm x 567mm x 88mm (17.99in x 22.3in x 3.47in)
	Weight	Maximum 59.97lb (27.2kg)
ELECTRICAL	Power Input	100 to 240 VAC
	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




# IDIS SUPER 4K 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.








	Lens
Model Name	<b>NEW</b> DCL-M2880P
	
Specification	Vari-focal P-Iris 3MP IR
Imager Size	1/2.7"
Mount Type	CS
Focal Length	2.8 ~ 8mm
Aperture Range	F/1.2 ~ Close
Field of View	Wide : 124.1°(H) x 65.1°(V) x 140.1°(D) Tele : 43.0°(H) x 24.1°(V) x 49.2°(D)
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



# NETWORK CAMERAS

Model Name	Box				
	DC-B1203	DC-B1203X	DC-B1303	NEW DC-B3303X	DC-B1803
					
<b>Image Sensor</b>	1/2.7" CMOS	1/2.8" CMOS	1/3" CMOS	1/2.8" CMOS	1/2.3" CMOS
<b>Max. Resolution</b>	1920 x 1080	1920 x 1080	2304 x 1296	2048 x1536	3840 x 2160
<b>Lens Type</b>	Optional (C/CS Mount)	Optional (C/CS Mount)	Optional (C/CS Mount)	Optional (C/CS mount)	Optional (C/CS Mount)
<b>Iris Control</b>	DC Auto Iris / Manual Iris	DC Auto Iris / Manual Iris	DC Auto Iris / Manual Iris	P-Iris / DC Auto Iris / Manual Iris	P-Iris / DC Auto Iris / Manual Iris
<b>Min. Illumination</b>	Color : 0.08 Lux @ F1.2 B/W : 0.08 Lux @ F1.2	Color : 0.01 Lux @ F1.2 B/W : 0.005 Lux @ F1.2	Color : 0.4 Lux @ F1.4 B/W : 0.01 Lux @ F1.4	Color : 0.0206 Lux @ F1.2 B/W : 0.0007 Lux @ F1.2	Color : 0.4 Lux @ F1.6 B/W : 0.009 Lux @ F1.6
<b>Dynamic Range</b>	More than 70 dB	120dB (True WDR)	More than 70 dB	120 dB (True WDR)	More than 70 dB
<b>Day and Night</b>	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
<b>Image Stabilizer</b>	-	Yes (DIS)	-	Yes (DIS)	-
<b>Video Out</b>	1 RCA	1 RCA	1 RCA	1 RCA	1 RCA
<b>Video Compression</b>	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.264 (MP), M-JPEG
<b>Max. Frame Rate</b>	30fps : 1920 x 1080	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	15fps : 2304 x 1296 30fps : 1920 x 1080	30fps : 2048 x1536	30fps : 3840 x 2160 60fps : 1920 x 1080
<b>Audio Compression</b>	G.726, G.711	G.726, G.711	G.726, G.711	G.726, G.711	G.726, G.711
<b>Ethernet</b>	RJ45 (10/100 BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000 BASE-T)
<b>Edge Storage</b>	micro SD / SDHC	micro SD / SDHC	micro SD / SDHC	micro SD/SDHC/SDXC	micro SD / SDHC / SDXC
<b>Trigger Event</b>	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Face Detection Alarm In Tampering	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Face Detection Alarm In Tampering	Motion Detection Alarm In Audio Detection Tampering Trip Zone
<b>Audio In / Out</b>	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	Line-in 1ea + Internal Mic 1ea / Line-out 1ea
<b>Alarm In / Out</b>	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
<b>Vandal Proof Casing</b>	-	-	-	-	-
<b>Outdoor Ready</b>	-	-	-	-	-
<b>Operating Temperature</b>	-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)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
<b>Power Source</b>	12VDC,PoE (IEEE 802.3af Class 2)	12VDC,PoE (IEEE 802.3af Class 2)	12VDC,PoE (IEEE 802.3af Class 2)	12VDC,PoE (IEEE 802.3af Class 3)	12VDC,PoE (IEEE 802.3af Class 3)
<b>Power Consumption</b>	4.8W	4.8W	4.8W	6W	8.4W

# NETWORK CAMERAS








Model Name	Fixed-focal Dome			Vari-focal Dome			
	DC-D2212R	DC-D2212WR	DC-D3212(R)X	DC-D1223(R)	DC-D1223F(R)	DC-D1223WX	DC-D1323R
							
<b>Image Sensor</b>	1/2.9" CMOS	1/2.9" CMOS	1/3" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/3" CMOS
<b>Max. Resolution</b>	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	2304 x 1296
<b>Lens Type</b>	Fixed-focal	Fixed-focal	Fixed-focal	Vari-focal	Vari-focal	Vari-focal	Vari-focal
<b>Focal Length</b>	f=4.0mm	f=4.0mm	f=2.9mm (f=3.3mm : DC-D3212RX)	f=3.3 - 10mm	f=3.3 - 10mm	f=3 - 9mm	f=3.3 - 10mm
<b>Aperture</b>	F2.0	F2.0	F2.0	F1.3 - 2.5	F1.3 - 2.5	F1.2 - 2.3	F1.3 - 2.5
<b>Iris Control</b>	Fixed Iris	Fixed Iris	Fixed Iris	DC Auto Iris	DC Auto Iris	DC Auto Iris	DC Auto Iris
<b>Angular Field of View</b>	84.4° (H), 50.3° (V), 104.6° (D)	84.4° (H), 50.3° (V), 104.6° (D)	111.5° (H), 59.6° (V), 132.8° (D) (96.4° (H), 52.3° (V), 113.2° (D) : DC-D3212RX)	Wide : 108.2° (H), 56.2° (V), 129.3° (D) Tele : 35.4° (H), 19.8° (V), 40.5° (D)	Wide : 108.2° (H), 56.2° (V), 129.3° (D) Tele : 35.4° (H), 19.8° (V), 40.5° (D)	Wide : 111.0° (H), 57.8° (V), 133.8° (D) Tele : 35.7° (H), 20.0° (V), 41.0° (D)	Wide : 89.6° (H), 47.9° (V), 105.6° (D) Tele : 30.6° (H), 17.2° (V), 35.1° (D)
<b>Pan / Tilt Range</b>	Pan: -180° ~ 174°, Tilt: 0° ~ 65°	Pan: -180° ~ 174°, Tilt: 0° ~ 65°	Pan: -180° ~ 174°, Tilt: 0° ~ 65°	Pan: -167° ~ 167° Tilt: 0° ~ 70° (0° ~ 80° : DC-D1223R) Rotate: -176° ~ 176°	Pan: -167° ~ 167° Tilt: 0° ~ 70° (0° ~ 80° : DC-D1223FR) Rotate: -176° ~ 176°	Pan: -167° ~ 167° Tilt: 0° ~ 70° Rotate: -176° ~ 176°	Pan: -167° ~ 167° Tilt: 0° ~ 80° Rotate: -176° ~ 176°
<b>Min. Illumination</b>	Color : 0.07 Lux @F2.0 B/W : 0 Lux (IR LED On)	Color : 0.07 Lux @F2.0 B/W : 0 Lux (IR LED On)	COLOR : 0.1 lux @F2.0 B/W : 0.01 lux @F2.0 (0 lux (IR LED ON) : DC-D3212RX)	Color : 0.1 Lux @ F1.3 B/W : 0.002 Lux @ F1.3 (0 Lux (IR LED On) : DC-D1223R)	Color : 0.1 Lux @ F1.3 B/W : 0.002 Lux @ F1.3 (0 Lux (IR LED On) : DC-D1223FR)	Color : 0.005 Lux @ F1.2 B/W : 0.0002 Lux @ F1.2	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)
<b>Dynamic Range</b>	74.7dB	74.7dB	120 dB (True WDR)	More than 70dB	More than 70dB	120dB (True WDR)	69.5dB
<b>Day and Night</b>	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 Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
<b>IR Distance (LEDs)</b>	15m (2ea)	15m (2ea)	- / 15 m (4 ea) (DC-D3212RX)	- / 20m (18ea) (DC-D1223R)	- / 20m (18ea) (DC-D1223FR)	-	20m (18ea)
<b>Image Stabilizer</b>	-	-	Yes (DIS)	-	-	Yes (DIS)	-
<b>Video Out</b>	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC (Accessory)	1 Terminal Block	1 Terminal Block	1 Terminal Block	1 Terminal Block
<b>Video Compression</b>	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	H.265 , H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG
<b>Max. Frame Rate</b>	30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1920 x 1080(WDR)	30fps : 1920 x 1080	30fps : 1920 x 1080	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	15fps : 2304 x 1296 30fps : 1920 x 1080
<b>Audio Compression</b>	-	-	-	G.726, G.711	G.726, G.711	G.726, G.711	G.726, G.711
<b>Ethernet</b>	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100 BASE-T)
<b>Edge Storage</b>	micro SD / SDHC	micro SD / SDHC	micro SD / SDHC / SDXC	micro SD / SDHC	micro SD / SDHC	micro SD / SDHC	micro SD / SDHC
<b>Trigger Event</b>	Motion Detection Tampering Trip Zone	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 Face Detection Alarm In Tampering	Motion Detection Alarm In Audio Detection Tampering Trip Zone
<b>Audio In / Out</b>	-	-	-	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea
<b>Alarm In / Out</b>	-	-	-	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
<b>Vandal Resistance</b>	-	IK10	-	-	-	IK10	-
<b>Outdoor Ready</b>	-	IP66	-	-	-	IP66	-
<b>Operating Temperature</b>	-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)	-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)
<b>Power Source</b>	12VDC, PoE (IEEE 802.3af Class 2)	12VDC, PoE (IEEE 802.3af Class 2)	PoE (IEEE 802.3af Class 2)	12VDC, PoE (IEEE 802.3af Class 2)	12VDC, PoE (IEEE 802.3af Class 2)	12VDC, PoE (IEEE 802.3af Class 2)	12VDC, PoE (IEEE 802.3af Class 2)
<b>Power Consumption</b>	3.96W	3.96W	3.4W / 4.5W (DC-D3212RX)	4.8W / 5.6W (DC-D1223R)	4.8W	5.16W	5.6W







# HD Vandal Resistant IR Dome Cameras



# NETWORK CAMERAS

Model Name	Dome						
	DC-D1323WHR	DC-D2233	DC-D2233R	DC-D2233W	DC-D2233WR	DC-D2233WHR	DC-D2233WHX
							
<b>Image Sensor</b>	1/3" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Max. Resolution</b>	2304 x 1296	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
<b>Lens Type</b>	Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
<b>Focal Length</b>	f=3.3 - 10mm	f=3.3 - 10mm	f=3.3 - 10mm	f=3.3 - 10mm	f=3.3 - 10mm	f=3.3 - 10mm	f=3.3 - 10mm
<b>Aperture</b>	F1.3 - 2.5	F1.3 - 2.5	F1.3 - 2.5	F1.3 - 2.5	F1.3 - 2.5	F1.3 - 2.5	F1.3 - 2.5
<b>Iris Control</b>	DC Auto Iris	DC Auto Iris	DC Auto Iris	DC Auto Iris	DC Auto Iris	DC Auto Iris	DC Auto Iris
<b>Angular Field of View</b>	Wide : 89.6° (H), 47.9° (V), 105.6° (D) Tele : 30.6° (H), 17.2° (V), 35.1° (D)	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)
<b>Pan / Tilt Range</b>	Pan: -167° ~ 167° Tilt: 0° ~ 80° Rotate: -176° ~ 176°	Pan: -165° ~ 165° Tilt: 7° ~ 90° Rotate: -178° ~ 178°	Pan: -165° ~ 165° Tilt: 7° ~ 90° Rotate: -178° ~ 178°	Pan: -165° ~ 165° Tilt: 7° ~ 90° Rotate: -178° ~ 178°	Pan: -165° ~ 165° Tilt: 7° ~ 90° Rotate: -178° ~ 178°	Pan: -165° ~ 165° Tilt: 7° ~ 90° Rotate: -178° ~ 178°	Pan: -176° ~ 176° Tilt: 0° ~ 66° Rotate: -90° ~ 90°
<b>Min. Illumination</b>	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)	Color : 0.3 Lux @ F1.3 B/W : 0.002 Lux @ F1.3	Color : 0.3 Lux @ F1.3 B/W : 0 Lux (IR LED On)	Color : 0.3 Lux @ F1.3 B/W : 0.002 Lux @ F1.3	Color : 0.3 Lux @ F1.3 B/W : 0 Lux (IR LED On)	Color : 0.3 Lux @ F1.3 B/W : 0 Lux (IR LED On)	Color : 0.007 Lux @ F1.3 B/W : 0 Lux (IR LED On)
<b>Dynamic Range</b>	69.5dB	74.7dB	74.7dB	74.7dB	74.7dB	74.7dB	120dB (True WDR)
<b>Day and Night</b>	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 Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
<b>IR Distance (LEDs)</b>	20m (18ea)	-	20m (28ea)	-	20m (28ea)	20m (28ea)	20m (28ea)
<b>Image Stabilizer</b>	-	-	-	-	-	-	Yes (DIS)
<b>Video Out</b>	1 Terminal Block	1 BNC	1 BNC	1 BNC	1 BNC	1 BNC	1 BNC (Accessory)
<b>Video Compression</b>	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG
<b>Max. Frame Rate</b>	15fps : 2304 x 1296 30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1920 x 1080	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)
<b>Audio Compression</b>	G.726, G.711	G.726, G.711	G.726, G.711	G.726, G.711	G.726, G.711	G.726, G.711	G.726, G.711
<b>Ethernet</b>	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100/1000 BASE-T)
<b>Edge Storage</b>	micro SD / SDHC	micro SD / SDHC	micro SD / SDHC	micro SD / SDHC	micro SD / SDHC	micro SD / SDHC	micro SD / SDHC
<b>Trigger Event</b>	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	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Face Detection Alarm In Tampering
<b>Audio In / Out</b>	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	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea
<b>Alarm In / Out</b>	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
<b>Vandal Resistance</b>	IK10	-	-	IK10	IK10	IK10	IK10
<b>Outdoor Ready</b>	IP66, Heater	-	-	IP66	IP66	IP66, Heater	IP66, Heater
<b>Operating Temperature</b>	-40°C ~ +50°C (-40°F ~ +122°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)	-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 ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)
<b>Power Source</b>	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)	12VDC, PoE (IEEE 802.3af Class 3)	12VDC, PoE (IEEE 802.3af Class 3)
<b>Power Consumption</b>	4.8W (Heater Off) 19.2W (Heater on / DC 12V Only)	3.5W	4.8W	3.5W	4.8W	4.8W (Heater off) 14.4W (Heater On / DC 12V Only)	7.2W (Heater off) 19.2W (Heater on / DC 12V only)

# NETWORK CAMERAS

Model Name	Dome			Flat Dome
	DC-D3233RX	DC-D3233WRX	<b>NEW</b> DC-D3233HRX	DC-F1211A
				
<b>Image Sensor</b>	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/2.7" CMOS
<b>Max. Resolution</b>	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
<b>Lens Type</b>	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Fixed-focal
<b>Focal Length</b>	f=3.3 - 10mm	f=3.3 - 10mm	f=3.3 - 10mm	f=2.8mm
<b>Aperture</b>	F1.3 - 2.5	F1.3 - 2.5	F1.3 - 2.5	F2.2
<b>Iris Control</b>	P-Iris	P-Iris	P-Iris	Fixed Iris
<b>Angular Field of View</b>	Wide : 95.7° (H), 50.6° (V), 114.4° (D) Tele : 31.8° (H), 17.9° (V), 36.5° (D)	Wide : 95.7° (H), 50.6° (V), 114.4° (D) Tele : 31.8° (H), 17.9° (V), 36.5° (D)	Wide : 95.7° (H), 50.6° (V), 114.4° (D) Tele : 31.8° (H), 17.9° (V), 36.5° (D)	118.7° (H), 66.4° (V), 137.0° (D)
<b>Pan / Tilt Range</b>	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: -60° ~ 60° Tilt: 0° ~ 80° Rotate: -176° ~ 176°
<b>Min. Illumination</b>	Color : 0.01 Lux @ F1.3 B/W : 0 Lux (IR LED On)	Color : 0.01 Lux @ F1.3 B/W : 0 Lux (IR LED On)	Color : 0.01 Lux @ F1.3 B/W : 0 Lux (IR LED On)	Color : 0.5 Lux @ F2.2 B/W : 0.3 Lux @ F2.2
<b>Dynamic Range</b>	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	More than 70dB
<b>Day and Night</b>	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	Electrical
<b>IR Distance (LEDs)</b>	20m (28ea)	20m (28ea)	20m (6ea)	-
<b>Image Stabilizer</b>	Yes (DIS)	Yes (DIS)	Yes (DIS)	-
<b>De-fog</b>	Yes	Yes	Yes	-
<b>Video Out</b>	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC (Accessory)	1 BNC
<b>Video Compression</b>	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.264 (MP), M-JPEG
<b>Max. Frame Rate</b>	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	30fps : 1920 x 1080
<b>Audio Compression</b>	G.726, G.711	G.726, G.711	G.726, G.711	-
<b>Ethernet</b>	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100 BASE-T)
<b>Edge Storage</b>	micro SD / SDHC / SDXC	micro SD / SDHC / SDXC	micro SD / SDHC / SDXC	-
<b>Trigger Event</b>	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 Tampering Trip Zone
<b>Audio In / Out</b>	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	-
<b>Alarm In / Out</b>	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	-
<b>Vandal Resistance</b>	-	IK10	IK10	-
<b>Outdoor Ready</b>	-	IP66	IP66, Heater	-
<b>Operating Temperature</b>	-10°C ~ +55°C (+14°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +55°C (+14°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
<b>Power Source</b>	12VDC, PoE (IEEE 802.3af Class 3)	12VDC, PoE (IEEE 802.3af Class 3)	12VDC, PoE (IEEE 802.3af Class 3)	PoE(IEEE 802.3af Class 1)
<b>Power Consumption</b>	7.5W	7.5W	11.7W	3.6W






## Compact Camera






● ● ● ●

# IDIS IR Bullet Cameras

## NETWORK CAMERAS

	Bullet		
	DC-E1212WR	DC-E3212WRX	DC-T1233WHR
Model Name			
Image Sensor	1/2.7" CMOS	1/3" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Fixed-focal	Fixed-focal	Motorized Vari-focal
Focal Length	f=4.0mm	f=3.3mm / 6.0mm	f=3.3 - 10mm
Aperture	F2.0	F2.0	F1.3 - 2.5
Iris Control	Fixed Iris	Fixed Iris	DC Auto Iris
Angular Field of View	90.3° (H), 47.0° (V), 108.4° (D)	96.4° (H), 52.3° (V), 113.2° (D) (f=3.3mm) 51.6° (H), 27.8° (V), 60.6° (D) (f=6.0mm)	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)
Min. Illumination	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.006 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)
Dynamic Range	More than 70dB	120dB (True WDR)	74.7dB
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	10m (24ea)	20m (2ea)	30m (42ea)
Image Stabilizer	-	Yes (DIS)	-
De-fog	-	Yes	-
Video Out	1 BNC	1 BNC	1 BNC
Video Compression	H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.264 (MP), M-JPEG
Max. Frame Rate	30fps : 1920 x 1080	30fps : 1920 x 1080 (WDR)	30fps : 1920 x 1080
Audio Compression	-	-	G.726, G.711
Ethernet	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)
Edge Storage	-	-	-
Trigger Event	Motion Detection Tampering Trip Zone	Motion Detection Tampering Trip Zone	Motion Detection Audio Detection Tampering Trip Zone
Audio In / Out	-	-	Line-in 1ea / Line-out 1ea
Alarm In / Out	-	-	Input 1ea / Output 1ea
Vandal Resistance	IK10	IK10	IK10
Outdoor Ready	IP66	IP66	IP66, Heater
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)
Power Source	PoE(IEEE 802.3af Class 2)	PoE(IEEE 802.3af Class 2)	12VDC, PoE (IEEE 802.3af Class 3)
Power Consumption	4.8W	5.24W	9.24W (Heater Off) 17.4W (Heater On / DC 12V Only)


# NETWORK CAMERAS

	Bullet						
Model Name	DC-T1233WHX	DC-T1234WR	DC-T1244WR	DC-T3233HRX	DC-T3243HRX	DC-T3533HRX	DC-T1833WHR
							
<b>Image Sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/3" CMOS	1/3" CMOS	1/1.8" CMOS	1/2.5" CMOS
<b>Max. Resolution</b>	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	2592 x 1944	3840 x 2160
<b>Lens Type</b>	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
<b>Focal Length</b>	f=3.3 - 10mm	f=3.3 - 10mm	f=9 - 22mm	f=3.3 - 10mm	f=9 - 22mm	f=3.6 - 10mm	f=3.6 - 9.8mm
<b>Aperture</b>	F1.3 - 2.5	F1.3 - 2.5	F1.5	F1.3 - 2.5	F1.5 - 2.8	F1.8 - 2.8	F1.6 - 3.2
<b>Iris Control</b>	DC Auto Iris	DC Auto Iris	DC Auto Iris	P-Iris	P-Iris	P-Iris	P-Iris
<b>Angular Field of View</b>	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	Wide : 35.7° (H), 19.4° (V), 41.2° (D) Tele : 14.9° (H), 8.3° (V), 17° (D)	Wide : 93.9° (H), 50.0° (V), 111.0 (D) Tele : 31.8° (H), 17.9° (V), 36.5° (D)	Wide : 33.8° (H), 18.8° (V), 39.2° (D) Tele : 14.2° (H), 8° (V), 16.2° (D)	Wide : 90° (H), 67° (V), 116° (D) Tele : 37° (H), 27° (V), 46° (D)	Wide : 103.0° (H), 52.7° (V), 118.0° (D) Tele : 36.6° (H), 19.6° (V), 41.1° (D)
<b>Min. Illumination</b>	Color : 0.002 Lux B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)	Color : 0.5 Lux B/W : 0 Lux (IR LED On)	Color : 0.01 Lux @ F1.3 B/W : 0 Lux (IR LED On)	Color : 0.07 Lux @ F1.5 B/W : 0 Lux (IR LED On)	Color : 0.15 Lux @ F1.8 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.6 B/W : 0 Lux (IR LED On)
<b>Dynamic Range</b>	120dB (True WDR)	74.7dB	More than 75 dB	120dB (True WDR)	120dB(True WDR)	120dB(True WDR)	More than 69 dB
<b>Day and Night</b>	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 Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
<b>IR Distance (LEDs)</b>	30m (42 ea)	30m (24ea) / White LED (6ea)	50 m (40 ea)	30m (10 ea)	30m (10 ea)	30m (10 ea)	30m (10 ea)
<b>Image Stabilizer</b>	Yes (DIS)	-	-	Yes (DIS)	Yes (DIS)	-	-
<b>De-fog</b>	-	-	-	Yes	Yes	Yes	-
<b>Video Out</b>	1 BNC	1 BNC	1 BNC	1 BNC	1 BNC	1 BNC	1 BNC
<b>Video Compression</b>	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	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.264 (MP), M-JPEG
<b>Max. Frame Rate</b>	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	30fps : 1920 x 1080	30fps : 1920 x 1080	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	30fps : 2592 x 1944	30fps : 3840x2160 60fps : 1920x1080
<b>Audio Compression</b>	G.726, G.711	-	-	G.726, G.711	G.726, G.711	G.726, G.711	G.726, G.711
<b>Ethernet</b>	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 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)
<b>Edge Storage</b>	-	-	-	micro SD / SDHC / SDXC	micro SD / SDHC / SDXC	micro SD / SDHC / SDXC	-
<b>Trigger Event</b>	Motion Detection Alarm In Tampering Face Detection	Motion Detection Tampering Trip Zone	Motion Detection Tampering Trip Zone	Motion Detection Audio Detection Tampering Trip Zone	Motion Detection Audio Detection Tampering Trip Zone	Motion Detection Audio Detection Tampering Trip Zone	Motion Detection Audio Detection Tampering Trip Zone
<b>Audio In / Out</b>	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
<b>Alarm In / Out</b>	Input 1ea / Output 1ea	Output 1ea	-	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
<b>Vandal Resistance</b>	IK10	IK10	IK10	IK10	IK10	IK10	IK10
<b>Outdoor Ready</b>	IP66, Heater	IP66	IP66	IP66, Heater	IP66, Heater	IP66, Heater	IP66, Heater
<b>Operating Temperature</b>	-20°C ~ +50°C (-4°F ~ +122°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)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F)	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)
<b>Power Source</b>	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)	12VDC, PoE (IEEE 802.3af Class 3)	12VDC, PoE (IEEE 802.3af Class 3)
<b>Power Consumption</b>	10.8W (Heater Off) 22.8W (Heater On / DC 12V Only)	7.2W	9.6W	8.64W	8.64W	11.4W	13.2W



# IDIS Super Fisheye Camera



	Fisheye
Model Name	DC-Y1514(W) 
Image Sensor	1/1.8" CMOS
Max. Resolution	2560 x 2048
Lens Type	Fixed-focal
Focal Length	f=1.45mm
Aperture	F2.2
Iris Control	Fixed Iris
Angular Field of View	180° (H), 180° (V), 180° (D)
Pan / Tilt / Zoom	-
Min. Illumination	Color : 0.8 Lux @ F2.2 B/W : 0.003 Lux @ F2.2
Dynamic Range	More than 70dB (90dB @ digital WDR)
Day and Night	IR Cut Filter with Auto Switch
IR Distance (LEDs)	-
Image Stabilizer	-
Viewing Composition	10, 1P, 1P2R, 2P, 4R, 107R
Video Out	-
Video Compression	H.264 (MPEG-4 Part 10/AVC), M-JPEG
Max. Frame Rate	30fps : 2560 x 2048
Audio Compression	G.726, G.711
Ethernet	RJ45 (10/100/1000 BASE-T)
Edge Storage	micro SD / SDHC / SDXC
Trigger Event	Motion Detection Alarm In Audio Detection Tampering Trip Zone
Audio In / Out	Line-in 1ea + Internal Mic 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea
Vandal Resistance	- / IK10 (W)
Outdoor Ready	- / IP 66 (W)
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Power Source	12VDC, PoE (IEEE 802.3af Class 3)
Power Consumption	7.56W



# IDIS Dual Side Dewarping Solution

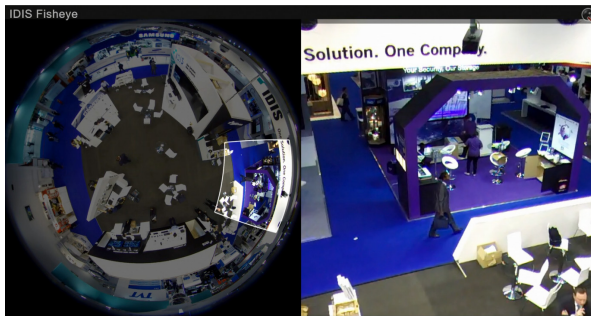
## On-Board Camera and Client PC / Mobile Devices

Since image dewarping is done either on-board the IDIS Fisheye Camera or via client-side software (including our smartphone application), this enables customers to choose from a wide variety of recording platforms and VMS options.



### Camera-Side Dewarping

Dewarping on-board the camera enables highly efficient storage management, allowing customers to keep costs down by utilizing an NVR-based solution without the need for PC-based dewarping software.



### Client-Side Dewarping






Client-side dewarping allows for retrospective viewing, enabling operations to go back in time to view the total scene in its original form and then pan, tilt, and/or zoom within the 360° image as desired. This high-performance dewarping also provides the ability for multiple clients to view the same source image from different perspectives, concurrently.




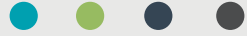
### Mobile Device Dewarping

The IDIS mobile application allows users to conveniently access their surveillance system while on the move and view distortion-free dewarped images from anywhere at any time. This provides an additional level of usability for integrators and end users on the go.

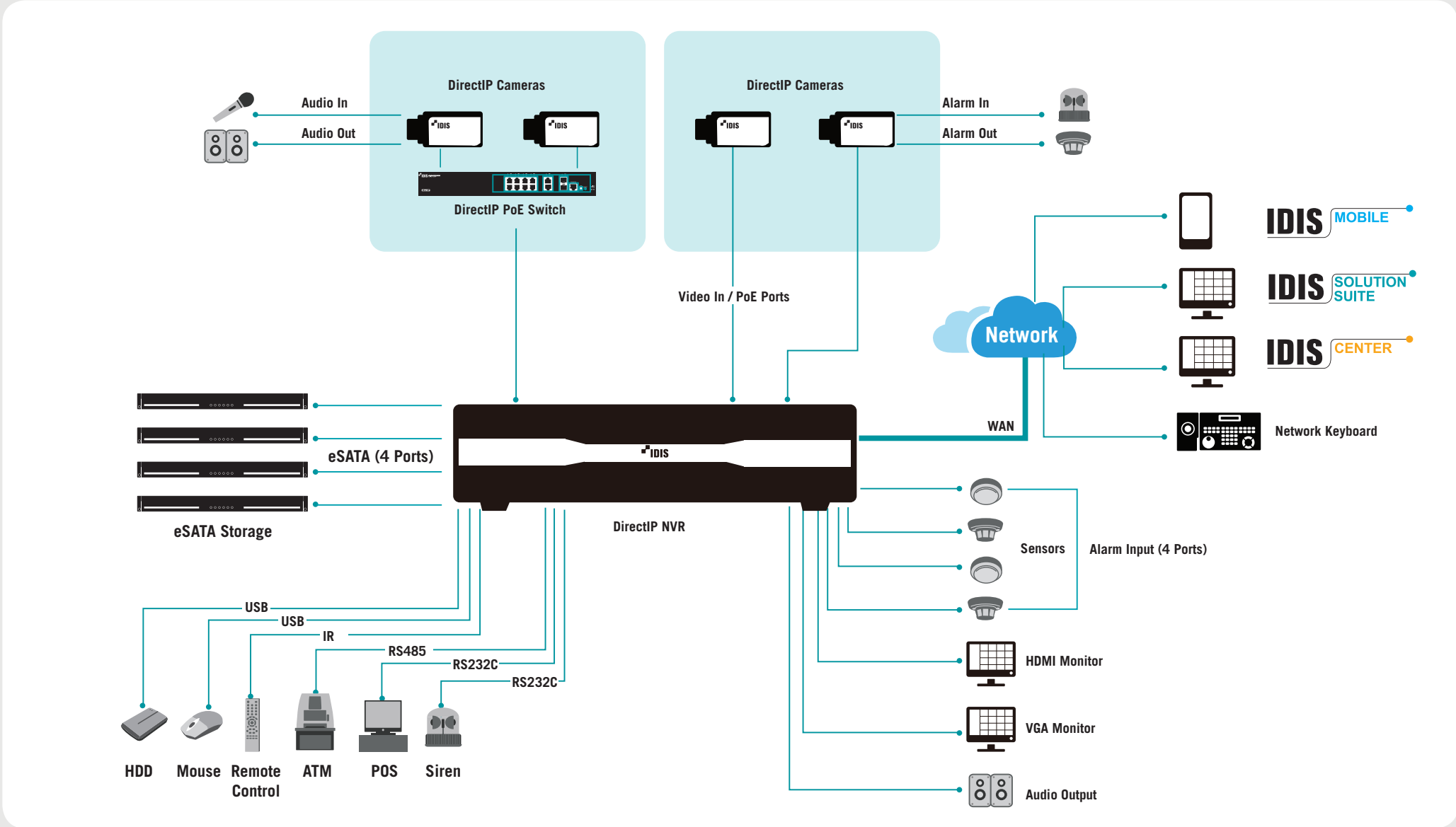
# NETWORK CAMERAS

Model Name	Speed Dome				
	DC-S1263WH	DC-S1263F	DC-S1283WHX	DC-S1283FX	DC-S1283WRX
					
<b>Image Sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Max. Resolution</b>	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
<b>Lens Type</b>	AF Zoom Lens	AF Zoom Lens	AF Zoom Lens	AF Zoom Lens	AF Zoom Lens
<b>Focal Length</b>	f=4.7 - 84.6mm	f=4.7 - 84.6mm	f=4.3 - 129.0mm	f=4.3 - 129.0mm	f=4.3 - 129.0mm
<b>Aperture</b>	F1.6 - 2.8	F1.6 - 2.8	F1.6 - 5.0	F1.6 - 5.0	F1.6 - 5.0
<b>Iris Control</b>	DC Auto Iris	DC Auto Iris	DC Auto Iris	DC Auto Iris	DC Auto Iris
<b>Angular Field of View</b>	Wide : 61.2° (H), 35.6° (V), 68.9° (D) Tele : 3.6° (H), 2.1° (V), 4.1° (D)	Wide : 61.2° (H), 35.6° (V), 68.9° (D) Tele : 3.6° (H), 2.1° (V), 4.1° (D)	Wide : 65.0° (H), 38.5° (V), 72.9° (D) Tele : 2.3° (H), 1.4° (V), 2.6° (D)	Wide : 65.0° (H), 38.5° (V), 72.9° (D) Tele : 2.3° (H), 1.4° (V), 2.6° (D)	Wide : 65.0° (H), 38.5° (V), 72.9° (D) Tele : 2.3° (H), 1.4° (V), 2.6° (D)
<b>Min. Illumination</b>	Color : 0.05 Lux @ F1.6 B/W : 0.003 Lux @ F1.6	Color : 0.05 Lux @ F1.6 B/W : 0.003 Lux @ F1.6	Color : 0.01 Lux @ F1.6 B/W : 0.0004 Lux @ F1.6	Color : 0.01 Lux @ F1.6 B/W : 0.0004 Lux @ F1.6	Color : 0.0088 Lux @ F1.6 B/W : 0 Lux (IR LED On)
<b>Dynamic Range</b>	74.7dB	74.7dB	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
<b>IR Distance (LEDs)</b>	-	-	-	-	150m (492ft) (13ea)
<b>Image Stabilizer</b>	-	-	Yes (DIS)	Yes (DIS)	Yes (DIS)
<b>Video Out</b>	1 Terminal Block	1 Terminal Block	1 Terminal Block	1 Terminal Block	1 Terminal Block
<b>Video Compression</b>	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG	H.264 (MP), M-JPEG
<b>Max. Frame Rate</b>	30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1920 x 1080
<b>Audio Compression</b>	G.726, G.711	G.726, G.711	G.726, G.711	G.726, G.711	G.726, G.711
<b>Ethernet</b>	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)
<b>Edge Storage</b>	micro SD / SDHC	micro SD / SDHC	micro SD / SDHC	micro SD / SDHC	micro SD / SDHC
<b>Trigger Event</b>	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Face Detection Alarm In Tampering	Motion Detection Face Detection Alarm In Tampering	Motion Detection Face Detection Alarm In Tampering
<b>Audio In / Out</b>	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
<b>Alarm In / Out</b>	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
<b>Vandal Resistance</b>	IK10	-	-	-	IK10
<b>Outdoor Ready</b>	IP66, Heater	-	IP66, Heater	-	IP66, Heater
<b>Operating Temperature</b>	-40°C ~ +50°C (-40°F ~ +122°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 ~ +50°C (-40°F ~ +122°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 ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)
<b>Power Source</b>	12VDC, 24VAC PoE(IEEE 802.3at Class 4)	12VDC, 24VAC PoE(IEEE 802.3af Class 3)	12VDC, 24VAC PoE(IEEE 802.3at Class 4)	12VDC, 24VAC PoE(IEEE 802.3af Class 3)	24VAC
<b>Power Consumption</b>	DC12V : Max 35.6W AC24V : Max 27.1W PoE : Max 24.3W (Heater on)	DC12V : Max 10.6W AC24V : Max 11.1W PoE : Max 10.6W	DC12V : Max 27.7W AC24V : Max 26.5W PoE : Max 23.7W (Heater on)	DC12V : Max 10.6W AC24V : Max 11.0W PoE : Max 10.5W	AC24V : Max 58W (Heater On, IR LED On)

Model Name	Zoom
	DC-Z1263
	
<b>Image Sensor</b>	1/2.8" CMOS
<b>Max. Resolution</b>	1920 x 1080
<b>Lens Type</b>	AF Zoom Lens
<b>Focal Length</b>	f=4.7 - 84.6mm
<b>Aperture</b>	F1.6 - 2.8
<b>Iris Control</b>	DC Auto Iris
<b>Angular Field of View</b>	Wide : 61.2° (H), 35.6° (V), 68.9° (D) Tele : 3.6° (H), 2.1° (V), 4.1° (D)
<b>Min. Illumination</b>	Color : 0.1 Lux @ F1.6 B/W : 0.004 Lux @ F1.6
<b>Dynamic Range</b>	74.7dB
<b>Day and Night</b>	IR Cut Filter with Auto Switch
<b>IR Distance (LEDs)</b>	-
<b>Image Stabilizer</b>	-
<b>Privacy Masking</b>	16 Zones
<b>Video Out</b>	1 RCA
<b>Video Compression</b>	H.264 (MP), M-JPEG
<b>Max. Frame Rate</b>	30fps : 1920 x 1080
<b>Audio Compression</b>	G.726, G.711
<b>Ethernet</b>	RJ45 (10/100 BASE-T)
<b>Edge Storage</b>	SD (SDHC)
<b>Trigger Event</b>	Motion Detection Alarm In Audio Detection Tampering Trip Zone
<b>Audio In / Out</b>	Line-in 1ea / Line-out 1ea
<b>Alarm In / Out</b>	Input 1ea / Output 1ea
<b>Vandal Resistance</b>	-
<b>Outdoor Ready</b>	-
<b>Operating Temperature</b>	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
<b>Power Source</b>	12VDC, 24VAC PoE(IEEE 802.3af Class 0)
<b>Power Consumption</b>	6W



# DR-6300Series NVR Connection Diagram






# Direct CX







## The Most Advanced HD Analogue Over Coax Solution



## HD-TVI RECORDERS

Model Name	TVR		
	NEW TR-2204	NEW TR-4208R	NEW TR-4216R
			
<b>VIDEO</b>			
Video Inputs	4 BNC (Multistandard Analog)	8 BNC (Analog and HD-TVI)	16 BNC (Analog and HD-TVI)
Supported Camera Types	720P25, 720P30, 1080P25, 1080P30, CVBS(NTSC / PAL)	720P25, 720P30, 1080P25, 1080P30, CVBS (NTSC / PAL)	
Video Outputs	1 HDMI, 1 VGA	1 HDMI, 1 VGA, 1 BNC(Spot)	
Display Resolution	HDMI / 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 Composite : 720 x 480 (NTSC) , 720 x 576 (PAL)	
Display Speed	Up to 120ips	Up to 240ips	Up to 480ips
<b>RECORDING</b>			
Recording Resolution	1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240, 480 x 240, 360 x 240	1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240, 480 x 240, 360 x 240	
Frame Rate	120ips @ 1080P	240ips @ 1080P	480ips @ 1080P
Recording Mode	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic	
Trigger Events	Alarm In, Motion detection, Video loss, Text-in	Alarm In, Motion detection, Video loss, Text-in	
<b>PLAYBACK</b>			
Performance	2ch 1080P synchronous playback	4ch 1080P Synchronous Playback	
Search Mode	Time-lapse, Event log, Motion, Text-in	Time-lapse, Event log, Motion, Text-in	
Digital Zoom	x2 ~ x12	x2 ~ x12	
<b>STORAGE</b>			
HDD	SATA x 2 (Up to 6TB capacity for each disk)	SATA x 4, eSATA x 1 (Up to 6TB capacity for each disk), RAID 1 supported	
Data Export Device	USB HDD, USB Stick	USB HDD, USB Stick	
<b>NETWORK</b>			
Client Connection	Fast Ethernet x 1	Gigabit Ethernet x 1	
Transmission Speed	30ips @ Full HD per channel, shared with recording	120ips @ Full HD	
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web	IDIS Center, IDIS Mobile, IDIS Web	
<b>INTERFACE</b>			
Audio In / Out	4 RCA / 1 RCA + 1 HDMI	4 RCA / 1 RCA + 1 HDMI	
Alarm In / Out	4 In / 1 Relay Out	8 In / 4 Relay Out	16 In / 4 Relay Out
Alarm Reset In	-	1	
Serial Interface	RS232, RS485 (Terminal Block), USB 2.0 x 2	RS232, RS485 (Terminal Block), USB 2.0, USB 3.0	
<b>GENERAL</b>			
Operating System	Embedded Linux	Embedded Linux	
Operating Humidity	0% ~ 90%	0% ~ 90%	
Power Input	DC 12V 1.3A	AC 100-240 V, 50/60Hz, 1.2 - 0.6A	
Power Consumption	15.6W	76W	
Approvals	FCC, CE, KC	FCC, CE, KC, CB, UL, PSE	

# HD-TVI CAMERAS

	Box	Dome			IR Bullet	
Model Name	TC-B1202	TC-D1212R	TC-D1222R	TC-D1222WR	TC-E1212WR	TC-T1222WR
						
<b>VIDEO</b>						
Image Sensor	1/2.8" SONY 2Mega Exmor CMOS Sensor	1/2.8" SONY 2Mega Exmor CMOS Sensor	1/2.8" SONY 2Mega Exmor CMOS Sensor	1/2.8" SONY 2Mega Exmor CMOS Sensor	1/2.8" SONY 2Mega Exmor CMOS Sensor	1/2.8" SONY 2Mega Exmor CMOS Sensor
Max. Resolution	1920 x 1080	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	Progressive Scan
Lens Type	Optional (C/CS Mount)	Fixed-focal	Vari-focal	Vari-focal	Fixed-focal	Vari-focal
Focal Length	-	f = 3.6mm	f = 2.8mm ~ 12mm	f = 2.8mm ~ 12mm	f = 3.6mm	f = 2.8mm ~ 12mm
Iris Control	DC Auto Iris / Manual Iris	Fixed Iris	DC Auto Iris	DC Auto Iris	Fixed Iris	DC Auto Iris
Angular Field of View	-	92.6°(H), 54.6°(V), 120.0°(D)	Wide : 120.9°(H), 61.4°(V), 149.6°(D) Tele : 37.1°(H), 20.7°(V), 42.7°(D)	Wide : 120.9°(H), 61.4°(V), 149.6°(D) Tele : 37.1°(H), 20.7°(V), 42.7°(D)	92.6°(H), 54.6°(V), 120.0°(D)	Wide : 120.9°(H), 61.4°(V), 149.6°(D) Tele : 37.1°(H), 20.7°(V), 42.7°(D)
Pan / Tilt Range	-	Pan : 0° ~ 340° Tilt : 7° ~ 90°	Pan : 0° ~ 340° Tilt : 7° ~ 90°	Pan : 0° ~ 340° Tilt : 7° ~ 90°	-	-
Min. Illumination	COLOR : 0.3 Lux @ F1.4 (AGC MAX) B/W : 0.1 Lux @ F1.4 (AGC MAX) 0.001 Lux @ F1.4 (AGC MAX, Sens-up Max)	Color : 0.3 Lux @ F1.2 B/W : 0 Lux (IR LED On)	Color : 0.3 Lux @ F1.4 (AGC MAX) B/W : 0 Lux (IR LED On)	Color : 0.3 Lux @ F1.4 (AGC MAX) B/W : 0 Lux (IR LED On)	Color : 0.9 Lux @ F1.8 B/W : 0 Lux (IR LED On)	Color : 0.3 Lux @ F1.4 (AGC MAX) B/W : 0 Lux (IR LED On)
Day and Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	-	10m (18ea)	30m (28ea)	30m (24ea)	10m (24ea)	40m (42ea)
Video Out	1 HD BNC , 1 SD BNC	1 HD BNC , 1 SD BNC	1 HD BNC , 1 SD BNC	1 HD BNC , 1 SD BNC	1 HD BNC , 1 SD BNC	1 HD BNC , 1 SD BNC
<b>FUNCTION</b>						
Sens-up	Off / x2 ~ x32	Off / x2 ~ x32	Off / x2 ~ x32	Off / x2 ~ x32	Off / x2 ~ x32	Off / x2 ~ x32
Wide Dynamic Range (WDR)	Off / On (Low, Middle, High / 15 Frame)	Off / On (Low, Middle, High / 15 Frame)	Off / On (Low, Middle, High / 15 Frame)	Off / On (Low, Middle, High / 15 Frame)	Off / On (Low, Middle, High / 15 Frame)	Off / On (Low, Middle, High / 15 Frame)
Backlight Compensation (BLC)	Off / On	Off / On	Off / On	Off / On	Off / On	Off / On
HSBLC	1 ~ 20 Level Adjustable (All Day / Night Only)	1 ~ 20 Level Adjustable	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)	-	0~15 Level Adjustable	0~20 Level Adjustable	0~20 Level Adjustable	0~20 Level Adjustable	0~20 Level Adjustable
Digital Noise Reduction	2D + 3DNR (Off / Low / Middle / High)	2D, 3DNR	2D + 3DNR (Off / Low / Middle / High)	2D + 3DNR (Off / Low / Middle / High)	-	-
De-fog	Off / On	Off / On	Off / On	Off / On	Off / On	Off / On
<b>ENVIRONMENTAL</b>						
Outdoor Ready	-	-	-	IP66	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 ~ +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%)
<b>ELECTRICAL</b>						
Power Source	12VDC, 24VAC	DC 12V	12VDC, 24VAC	12VDC, 24VAC	DC 12V	12VDC, 24VAC
Power Consumption	2.64W	4.56W	4.8W	4.8W	6W	7.2W

IDIS HD-TVI Solution



# ***Direct View***

Bringing You the Ultimate Surveillance Experience

# IDIS Offers a Complete Line of Surveillance-Grade Monitors Designed to Meet Stringent Demands from the IP Surveillance Industry

Combining our expertise in image processing technology and in-depth understanding of the video surveillance industry, IDIS surveillance monitors provide an array of surveillance-oriented features, which allow for longer lifetime, anti-image sticking, energy savings, and VESA compliances. Our exclusive range of surveillance monitors feature industry-leading ultra high definition (UHD) to Full HD resolution in various sizes.



SM-U841

## Built to Run 24/7

IDIS monitors provide superior color reproduction with the reliability and quality to run 24/7.

## Ultra Wide Viewing Angles, Super Multi-Domain Vertical Alignment

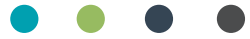
IDIS offers exceptionally wide horizontal and vertical viewing angles. Crystal clear technology also provides a high contrast ratio and remarkable black levels clearly emit the darkest areas of an image.

## Commercial Grade "A" Panels

IDIS surveillance monitors are built with commercial grade "A" panels for superior color reproductions, low defect ratio, etc.

## LED Backlight Technology

See a brighter, sharper picture with more vibrant colors. LED backlight technology offers superior benefits compared to CCFL LCDs, in terms of reduced energy consumption, better contrast and brightness, greater color range, a faster response to changes in scene, and exceptionally accurate image rendering.



# IDIS 4K UHD LCD Monitors

Maximize Desk Space in Your Control Room with the Ability to View Four Cameras from a Single Monitor and Maximize the Resolution of Your Megapixel Cameras

The IDIS UHD surveillance monitors are specifically designed for use in a variety of surveillance applications. Featuring industry-leading UHD resolution (3840 x 2160) S-IPS technology with LED backlight, IDIS DirectView monitors produce life-like color and exceptional detail with a 178° viewing angle.



## 24/7 Operational 50,000 Hour Lifetime

Featuring advanced backlight control, IDIS 4K monitors provide an industry-leading super lifetime of 50,000 hours.



## 84" 4K UHD Surveillance LCD Monitor

When in a mission critical surveillance control room environment, DirectView UHD surveillance monitors provide operators with extensive visual information and enhanced clarity.



## 178° True Wide Viewing

DirectView monitors produce crystal clear images from any viewing angle by maintaining high color fidelity, low gamma distortion, and a high contrast ratio.



## Eco-Friendly, Low Power Consumption

Utilizing the latest LED backlighting technology, the SM-U841 monitor provides exceptional energy efficiency by consuming 30% less power than conventional CCFL monitors.





## 28" 4K UHD / Quad View



### Mode 1

Display 4K (3840 x 2160) Resolution

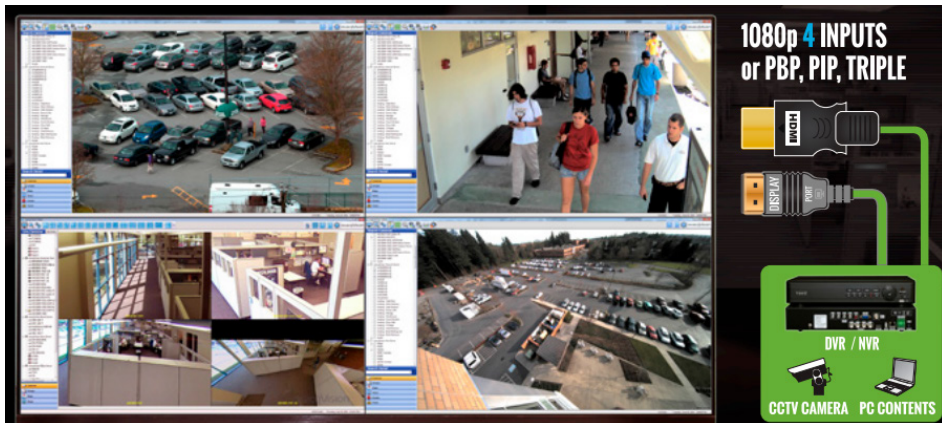


### Mode 2

PBP, PIP Triple / Quad (Each 1080p PIP)

## 1080p Four Inputs

A display port (4K active loop-through) and HDMI come as standard interfaces.



## A Professional 4K Security Display and Perfect Digital Signage Solution

The IDIS 4K 28" UHD monitor is perfectly suited for commercial and public safety security environments. It supports Quad Full HD/4K resolution (3840 x 2160px @ 60Hz).



## Vivid Colors + Various Quad Full HD





The IDIS 4K UHD monitor supports 1.07G colors (8-bit + FRC) and Quad Full HD (24/30 Hz, Quad Full HD 50/60 Hz), resulting in exceptionally vivid images.



# SURVEILLANCE DISPLAYS



Model Name	UHD LCD Monitor		Full HD UNB Video Wall Monitor
	SM-U841	SM-U281	VW-F551
			
<b>PANEL</b>			
Screen Size	84 Inch	28 Inch	55 Inch
Active Display Area	1,860.48mm (H) x 1,046.52mm (V)	648.9mm (H) x 369.3mm (V)	1,209.6mm (H) x 680.4mm (V)
Max. Resolution	UHD (3840 x 2160)	3840 x 2160 @ 60Hz	Full HD 1920 x 1080@ 60Hz
Panel Technology	IPS (In-plane Switching)	WLED Backlight	IPS (In-plane Switching)
Anti-Glare	Yes	Yes	Yes
Pixel Pitch	0.4845 mm (H) x 0.4845 mm (V)	0.16mm (H) x 0.16mm (V)	0.63mm (H) X 0.63mm (V)
Brightness	350 cd/m2	400cd/m <sup>2</sup> (Typical)	500 cd/m2
Contrast Ratio	1400:1	4000:1	1400:1
Aspect Ratio	16:9	16:9	16:9
Viewing Angle (H / V)	178° / 178°	176° / 176°	178° / 178°
Display Color	1.06 Billion	1.07G (8-bit + FRC)	1.06 Billion
Response Time	8ms	< 9.5ms	12ms
Refresh Rate	120Hz	60Hz	60Hz
<b>INTERFACE</b>			
HDMI In	2 (HDMI 1.4)	4	1
Display Port	1 (1.1a Ver.)	1	1 (1.1a Ver.) Input / 1 (1.1a Ver.) Output
VGA In	1	1	1
DVI In	1	No	1
Audio Input	1 (3.5 Stereo Jack)	1	-
Audio Output	1 (3.5 Stereo Jack)	1	-
BNC Video In	-	No	1
BNC Video Out	-	No	-
S-Video In / Out	-	No	-
Component Y / Pb / Pr In	-	No	-
RS232	1	No	1
<b>GENERAL</b>			
Outline Dimensions (W x H x D)	1,910mm x 1,102mm x 90.5mm (75.2" x 43.3" x 3.5")	663.0mm x 462.0mm x 48.0mm (Stand : 230mm) (26.10" x 18.19" x 1.89")	1,213.4mm x 684.2mm x 86mm (47.7" x 26.9" x 3.3")
Bezel	-	-	3.6mm (Bezel-to-Bezel)
Net Weight	68kg (150lb)	5kg (11.02lb)	24kg (52.9lb)
Material / Color	Metal / Black	Metal / Black	Metal / Black
Warranty - Parts / Labor	3 Year / 3 Year	3 Year / 2 Year	3 Year / 3 Year
MTBF	50,000 Hours	50,000 Hours / Panel (40,000 Hours)	60,000 Hours
Power Supply	AC 100 ~ 240V 50/60Hz	AC100~240V (50/60Hz)	AC 110 ~ 127V 50/60Hz, 220 ~ 240 50/60Hz
Power Consumption	500W	110W	240W
Power Savings (DPMS)	Yes	Yes	Yes
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	30°C ~ 35°C (32°F ~ 95°F)	5°C ~ 35°C (41°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)	0°C ~ 40°C (32°F ~ 104°F)
Built-In Speakers	Yes (10W x 2)	Yes (2W x 2)	-
Remote Control	Yes	Yes	Yes
VESA Mount Size	600mm x 600mm / M8 Screw	200mm x 200mm / 4 x (M6 x 8) Screws	600mm x 400mm / M8 Screw
<b>EXTERNAL CONTROLS</b>			
IR Sensor (For Remote Control)	Detachable	Built-in	Built-in
Serial In / Out	RS232-C Daisy Chain	No	RS232-C Daisy Chain
USB	For Firmware Update	Yes	For Firmware Update







# SURVEILLANCE DISPLAYS





Model Name	Full HD LCD Monitors			
	SM-F211	SM-F231	SM-F321	SM-F421
				
<b>PANEL</b>				
Screen Size	21.5 Inch	23 Inch	32 Inch	42 Inch
Active Display Area	476.64mm (H) x 268.11mm (V)	509.76mm (H) x 286.74mm (V)	698.4mm (H) x 392.85mm (V)	930.24mm (H) x 523.26mm (V)
Max. Resolution	1920 x 1080 @ 60Hz	1920 x 1080 @ 60Hz	1920 x 1080 @ 60Hz	1920 x 1080 @ 60Hz
Panel Technology	TN LCD Panel	TN LCD Panel	IPS (In-plane Switching)	IPS (In-plane Switching)
Anti-Glare	Yes	Yes	Yes	Yes
Pixel Pitch	0.24825mm (H) x 0.24825mm (V)	0.2655mm (H) x 0.2655mm (V)	0.36375mm (H) x 0.36375mm (V)	0.4845mm (H) x 0.4845mm (V)
Brightness	250cd/m <sup>2</sup> (Typical)	250cd/m <sup>2</sup> (Typical)	350cd/m <sup>2</sup> (Typical)	350cd/m <sup>2</sup> (Typical)
Contrast Ratio	1000:1	1000:1	3000:1	3000:1
Aspect Ratio	16:9	16:9	16:9	16:9
Viewing Angle (H / V)	170° / 160°	170° / 160°	178° / 178°	178° / 178°
Display Color	16.7 Million	16.7 Million	16.7 Million	16.7 Million
Response Time	< 5ms	< 5ms	< 6.5ms	< 6.5ms
Refresh Rate	60Hz	60Hz	60Hz	60Hz
<b>INTERFACE</b>				
HDMI In	1	1	2	2
Display Port	No	No	No	No
VGA In	1	1	1	1
DVI In	No	No	1	1
Audio Input	1	1	Component 1 (L) / 1 (R) AV (Composite) 2 (L) / 2 (R)	Component 1 (L) / 1 (R) AV (Composite) 2 (L) / 2 (R)
Audio Output	No	No	1	1
BNC Video In (Optional)	1	1	2	2
BNC Video Out	1	1	2	2
S-Video In / Out	No	No	1/1	1/1
Component Y / Pb / Pr In	No	No	1	1
RS232	No	No	No	No
<b>GENERAL</b>				
Outline Dimensions (W x H x D)	515.1mm x 371.1mm x 45.0mm (20.28" x 14.61" x 1.77")	547.9mm x 410.2mm x 62.23mm (21.57" x 16.15" x 2.45")	753.4mm x 485.7mm x 180mm (29.66" x 19.12" x 7.09")	986.4mm x 617.7mm x 180mm (38.83" x 24.31" x 7.09")
Bezel	-	-	-	-
Net Weight	3.67kg (8.1lb)	4.56kg (10.05lb)	13kg (28.66lb)	13kg (28.66lb)
Material / Color	Plastic / Black	Plastic / Black	Metal / 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 / Panel (30,000 Hours)	50,000 Hours / Panel (30,000 Hours)	50,000 Hours / Panel (30,000 Hours)	50,000 Hours / Panel (30,000 Hours)
Power Supply	DC 12V, 2.1A (AC100 ~ 240V [50/60Hz])	DC12V, 2.0A (AC100 ~ 240V [50/60Hz])	AC100 ~ 240V (50/60Hz)	AC100 ~ 240V (50/60Hz)
Power Consumption	25.2W	24W	55W	55W
Power Savings (DPMS)	Yes	Yes	Yes	Yes
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4 ~ 140°F)	-20°C ~ 60°C (-4 ~ 140°F)
Built-In Speakers	Yes (2W x 2)	Yes (2W x 2)	Yes (2W x 2)	Yes (2W x 2)
Remote Control	No	No	Yes	Yes
VESA Mount Size	100mm x 100mm / M4 x 10 Screws	100mm x 100mm / M4 x 10 Screws	200mm x 200mm / 4 x (M6 x 8) Screws	200mm x 200mm / 4 x (M6 x 8) Screws
<b>EXTERNAL CONTROLS</b>				
IR Sensor (For Remote Control)	No	No	Built-in	Built-in
Serial In / Out	No	No	No	No
USB	No	No	No	No






# NETWORK ACCESSORIES


	Network Keyboard	Long Reach PoE Extender
Model Name	NK-1100	DA-LP1101R / DA-LP1101T
		
Key Features	<ul style="list-style-type: none"> <li>· Remote control of NVRs, network video transmitters, network video receivers, and network cameras via network connection</li> <li>· Control of NVRs by using a USB mouse via network connection</li> <li>· Two-way audio communication</li> <li>· Convenient firmware upgrades via either the USB port or ethernet</li> <li>· Firmware duplication and auto-recovery functions to enhance system stability</li> <li>· Management of multiple network keyboards via network connection</li> <li>· Programmable by using the LCD screen</li> </ul>	<ul style="list-style-type: none"> <li>· Up to 500m PoE transmission between devices using UTP cable</li> <li>· Up to 700m DATA transmission between equipment using UTP cable</li> <li>· Plug-and-play without PC setting</li> <li>· Supports 1Gbps / IEEE802.3af for PoE Injector</li> <li>· Supports 1Gbps / IEEE802.3at / 100m for PoE Repeater</li> </ul>

	Ethernet Over Coax Transceiver	UTP Exchanger for Ethernet Over Coax Transceiver	Single Port PoE Injector	Single Port PoE Repeater	Gigabit Fiber Optic Media Converter	SFP Module	
Model Name	DA-EC1101R DA-EC1101T	DA-BE1101	DA-PI2101	DA-PR1101	DA-MC1101	FTLF1318P-3BTL	FTLF8519P-3BTL
							
Key Features	<ul style="list-style-type: none"> <li>· Makes it possible to install Full HD network cameras using existing coaxial cables</li> <li>· Two-way communication allows use of the product as a transmitter or a receiver</li> <li>· Supports PoE (IEEE 802.3af, IEEE802.3at)</li> <li>· Supports plug-and-play without setting up special IP addresses</li> <li>· Supports data transfer up to 800m</li> </ul>	<ul style="list-style-type: none"> <li>· Converts coaxial cable to UTP cable connecting to DA-EC1101R/T</li> <li>· Supports PoE function of DA-EC1101R/T</li> <li>· Supports data transfer up to 800m distance extension of DA-EC1101R/T</li> <li>· Supports plug-and-play without setting up special IP addresses</li> </ul>	<ul style="list-style-type: none"> <li>· Up to 30W of PoE power feeding on two pairs</li> <li>· Compatible with IEEE 802.3af, IEEE 802.3at</li> <li>· Protects low power devices to receive only the power they need</li> <li>· Automatic detection and protection of non-standard ethernet terminals</li> <li>· Parallel slide-in design for easy installation</li> </ul>	<ul style="list-style-type: none"> <li>· Compatible with IEEE 802.3af</li> <li>· Supports data transfer up to 130m distance</li> <li>· A maximum distance of 490m can be achieved between the NVR and camera via three DA-PR1101 ethernet extenders</li> <li>· Supports PoE switch off function via PoE On / Off switch</li> <li>· Supports plug-and-play without setting up special IP addresses</li> </ul>	<ul style="list-style-type: none"> <li>· Supports automatic negotiation feature</li> <li>· Supports automatic MDI / MDI-X detection</li> <li>· Supports LED status indicators</li> <li>· Mode switching using DirectIP switches</li> </ul>	<p><b>FTLF1318P3BTL</b></p> <ul style="list-style-type: none"> <li>· Up to 10km on 9/125µm SMF</li> <li>· Up to 1.25Gb/s bi-directional data links</li> <li>· Hot-pluggable SFP footprint</li> <li>· 1310nm Fabry-Perot laser transmitter</li> <li>· Compatibility with DH series and DA-MC1101</li> </ul> <p><b>FTLF8519P3BTL</b></p> <ul style="list-style-type: none"> <li>· Up to 2.125 Gb/s bi-directional data links</li> <li>· Hot-pluggable SFP footprint</li> <li>· 850nm Oxide VCSEL laser transmitter</li> <li>· Compatibility with DH series and DA-MC1101</li> </ul>	

	DirectIP PoE Switch		DirectIP Gigabit	
Model Name	DH-2010P	DH-2018P	DH-2112PF	DH-2128PF
				
Key Features	<ul style="list-style-type: none"> <li>· Individual port for data transmission to DirectIP NVR</li> <li>· PoE (IEEE 802.3af, IEEE 802.3at) compliant</li> <li>· Maximum per-device PoE delivery of 70W available for one to eight RJ45 ports</li> <li>· Central power control for greater network utility</li> <li>· Supports 10 RJ45 ports</li> </ul>	<ul style="list-style-type: none"> <li>· Individual port data transmission to DirectIP NVR</li> <li>· PoE (IEEE 802.3af, IEEE 802.3at) compliant</li> <li>· Maximum per-device PoE delivery of 140W available for one to 16 RJ45 ports</li> <li>· Central power control for greater network utility</li> <li>· Supports 16 RJ45 ports</li> </ul>	<ul style="list-style-type: none"> <li>· Individual port for data transmission to DirectIP NVR</li> <li>· PoE (IEEE 802.3af, IEEE 802.3at) compliant</li> <li>· Maximum per-device PoE delivery of 150W available for one to eight RJ45 ports</li> <li>· Central power control for greater network utility</li> <li>· Supports 10 RJ45 ports and two SFP slots</li> </ul>	<ul style="list-style-type: none"> <li>· Individual port data transmission to DirectIP NVR</li> <li>· PoE (IEEE 802.3af, IEEE 802.3at) compliant</li> <li>· Maximum per-device PoE delivery of 400W available for one to 24 RJ45 ports</li> <li>· Central power control for greater network utility</li> <li>· Supports 26 RJ45 ports and two SFP slots</li> </ul>


	Encoder	
Model Name	DE-1104	DE-1108
		
Video Compression	H.264	H.264
Video Input	4 BNC Composite	8 BNC Composite
Max. Video Resolution	D1 : 720 x 480 / 720 x 576 (NTSC / PAL) 960H : 960 x 480 / 960 x 576 (NTSC / PAL)	D1 : 720 x 480 / 720 x 576 (NTSC / PAL) 960H : 960 x 480 / 960 x 576 (NTSC / PAL)
Frame Rate	30ips @ 960H per Channel	30ips @ 960H per Channel
Multi Streaming Video	Quadruple Stream	Quadruple Stream
Max. Network Throughput	48Mbps	64Mbps
Audio In / Out	4 RCA / -	4 RCA / -
PTZ Support	Yes (RS485)	Yes (RS485)
Trigger Events	Motion Detection, Video Loss, Tampering	Motion Detection, Video Loss, Tampering
DirectIP Support	Yes	Yes
PoE (Class)	Yes (IEEE 802.3af Class 3)	Yes (IEEE 802.3af Class 3)
Power Source	12VDC, PoE	12VDC, PoE
Power Consumption	10W	10W
Approvals	FCC, CE	FCC, CE

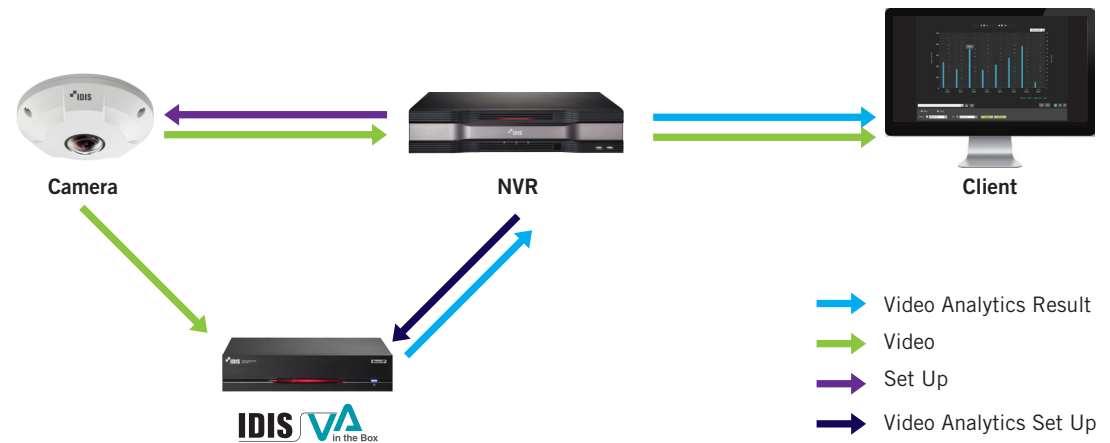
	Decoder
Model Name	DD-1116
	
Video Compression	H.264
Video Input	16ch IP
Supported Devices	DirectIP NVR
Video Outputs	1 HDMI, 1 VGA, 1 CVBS
Display Resolution	HDMI, VGA : 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200 CVBS : 640 x 480
Display Speed	Up to 480ips
Max. Network Throughput	48Mbps
Network Connection	Gigabit Ethernet x 1
PoE (Class)	Yes (IEEE 802.3af Class 0)
Power Source	12VDC, PoE
Power Consumption	8W
Approvals	FCC, CE

	4 Bay eSATA Storage
Model Name	DA-ES1104
	
Interface	eSATA x 1
Number of Drives	SATA II x 4
Drive Size	3.5"
Drive Type	SATA II
Type and Rate	SATA II (3Gbps)
RAID	0, 1 + 0, 5
Max Drive Capacity	16TB (Up to 4TB 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	Max. 40W
Approvals	FCC,CE



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, Heat Maps, and Analytic Reporting 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	
	<ul style="list-style-type: none"> <li>· Specialised in DirectIP NVR</li> <li>· Supports 4ch IP Camera</li> <li>· Supports People Counting</li> <li>· Supports Heatmap</li> <li>· Supports People Counting</li> </ul>
Decoder	
Video Compression	H.264, H.265
Video Inputs	4ch IP
Supported Devices	DirectIP NVR
Max. Network Throughput	20Mbps
Newtork Connection	Gigabit Ethernet x 1
VA Support	People Counting Heatmap 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	6.6W
Approvals	FCC, CE, KC



## Analytic Reporting Data beyond the surveillance

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 Heat Maps functions can be reviewed individually or collectively.



## People Counting

### Count, track, and analyze shoppers

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 foot traffic and behavior

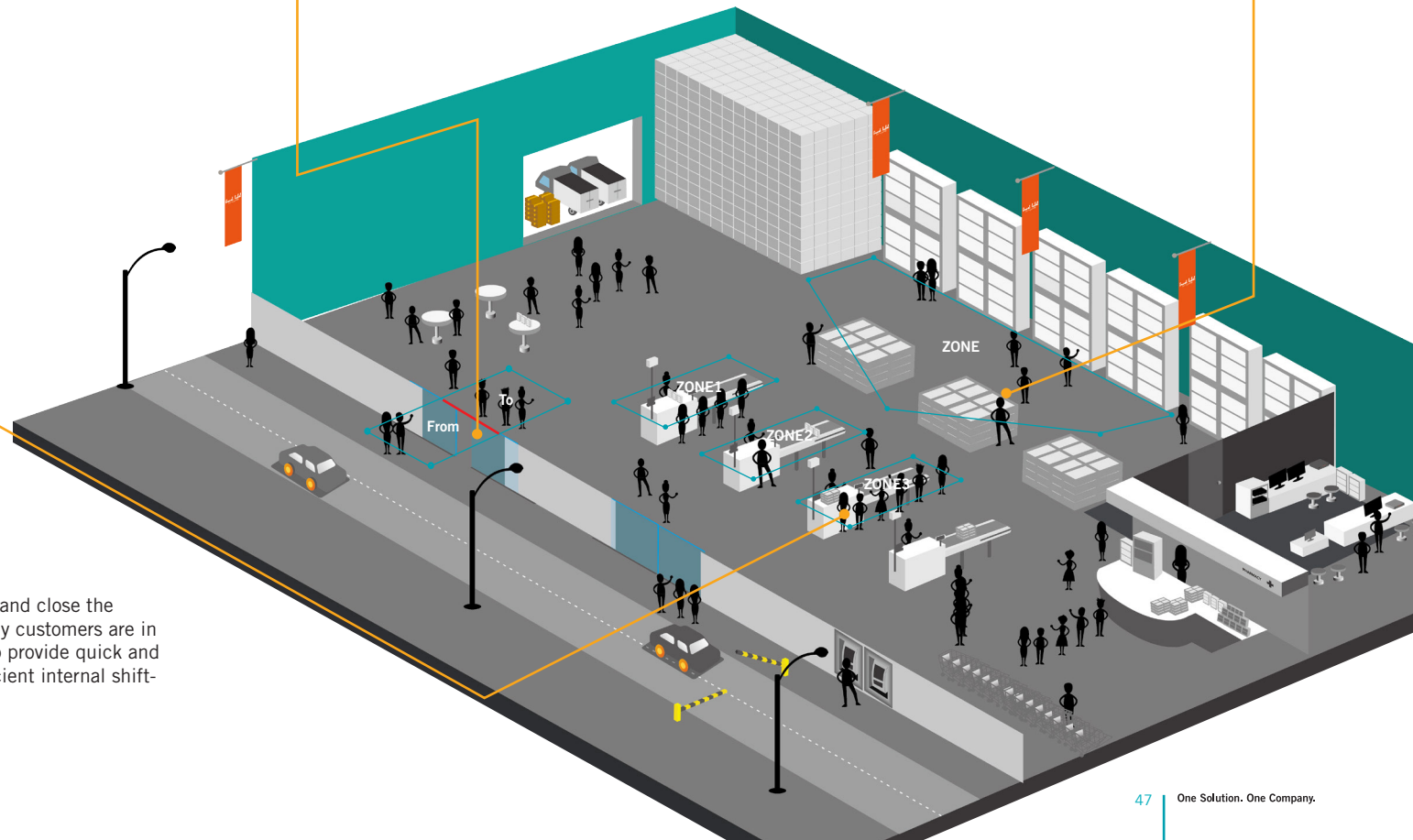
Highlight where people spend time and what they interact with. This function is utilized to determine the best location where exposure needs to be maximized, such as new product zones or areas with sluggish sales. It can also be used to select the best locations for advertisements and promotional materials.



## 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.





# IDIS ANPR

Ground breaking accuracy  
combined with  
plug-and-play functionality



## Limitations of Current ANPR

Imaging software and surveillance equipment have developed dramatically in recent years. However, mainstream ANPR systems have lagged behind, remaining largely dependent on technologies that haven't kept pace with recent advances in imaging and computing science. As a result, they fall short of current requirements for reliable quality, high performance and ease of use. What's more, customers typically find themselves locked into inflexible legacy systems that need constant reconfiguration, adding to the strain on operational resources.

## Introducing Next Generation ANPR from IDIS

IDIS have teamed up with 4Sight Imaging, an expert advanced imaging science technology company, to transform automated number plate recognition (ANPR) surveillance monitoring. By coupling a high performance, specialist IDIS 2MP ANPR camera with 4Sight image analysis software, IDIS offers a simple, fast deployment, a radically improved user experience, measurable savings and multiple performance benefits compared to traditional ANPR technologies. This is further demonstrated by this leading image analysis technology proving ten times more accurate in independent comparative testing.

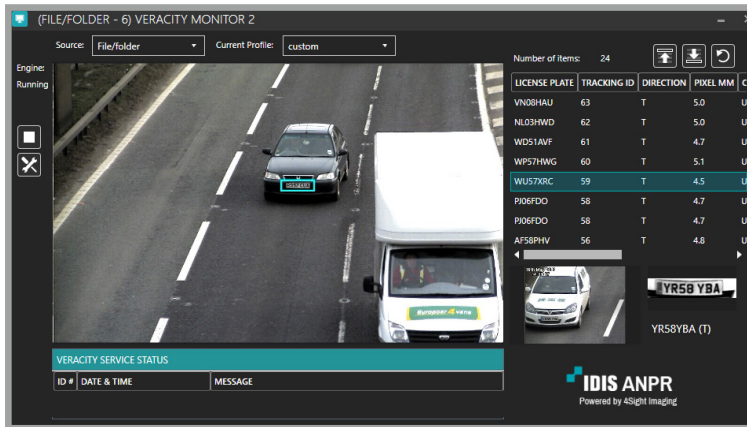
## The New Gold Standard

The IDIS ANPR solution utilises patented plug-and-play technology to eliminate common ANPR challenges, complexity and need for ongoing maintenance. Utilising the next generation IDIS camera and advanced image analysis, delivers world-class accuracy over a wide range of operating conditions to enhance security and surveillance, drive operational efficiencies and improve profitability. IDIS ANPR is powered by self-configuring adaptive appearance modelling technologies to ensure extremely high performance and reliability. Open architecture principles ensure seamless compatibility with computing architectures and with all IDIS solutions and products to establish a new gold standard in ANPR performance.



## Key Features


- Excellent reliability and industry-leading levels of accuracy in all conditions
- True multi-lane capability with no overlaps from one camera
- Wide field of view, superior image quality and high performance accuracy
- Plug-and-play simplicity to maximise ease of deployment
- Greater flexibility in camera and equipment positioning
- Reduced complexity to enable easy operation and maintenance by non-experts
- Seamless integration with all IDIS surveillance platforms
- Future-proof technology offering forward compatibility with future generation IDIS cameras as well as system architectures and processing power



## Key Benefits

IDIS ANPR delivers a variety of tangible benefits including:

- Significant cost reductions and low cost of ownership
- Enhanced safety and security
- Improved surveillance with high quality evidential images
- Operational efficiencies via automation of manual tasks
- Increased profitability from commercial operations
- Improved reporting and compliance
- Rapid return on investment

2MP IR Bullet Camera for LPR	
DC-T1244WR	
Model Name	
Image Sensor	1/2.8" CMOS
Max. Resolution	1920 x 1080
Lens Type	Motorized Vari-focal
Focal Length	f = 9mm - 22mm
Aperture	F1.5
Iris Control	DC Auto Iris
Angular Field of View	Wide : 35.7° (H), 19.4° (V), 41.2° (D) Tele : 14.9° (H), 8.3° (V), 17° (D)
Min. Illumination	Color : 0.5 Lux B/W : 0 Lux (IR LED On)
S/N Ratio	More than 32dB
Dynamic Range	More than 75dB
Backlight Compensation	On / Off / HSBLC
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-flicker, Slow Shutter (1/7.5, 1/15)
Day and Night	IR Cut Filter with Auto Switch
IR Distance (LEDs)	164ft (40ea)
Video Out	1 BNC
Video Compression	H.264 (MP), M-JPEG
Max. Frame Rate	30fps : 1920 x 1080
Audio Compression	-
Ethernet	RJ45 (10/100 BASE-T)
Trigger Event	Motion Detection, Audio Detection, Tampering, Trip Zone
Vandal Proof Casing	IK10
Outdoor Ready	IP66
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Operating Humidity	0% ~ 90%
Power Source	12VDC, PoE (IEEE 802.3af Class 3)
Power Consumption	9.6W



# Modular and Scalable Next Generation VMS

## Integrated VMS Solution



### **IDIS SOLUTION SUITE**

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

#### **Administration**

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

#### **Monitoring**

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

#### **Streaming**

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

#### **Recording**

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

#### **Redundant**

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

#### **Backup**

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

#### **Video Wall**

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

#### **Federation**

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

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

#### **Failover**

IDIS Solution Suite Failover service modules provide service grade redundancy. The Failover services can be applied to different service modules, such as Administration, Federation, Recording, Streaming or Video Wall services. If one of the PC servers fails or if one of the services is interrupted, the corresponding Failover module will take over the operation with minimal interruption. If the failed servers or services are recovered, the operation will recover and return to normal operation.

# NETWORK SOFTWARE

## 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

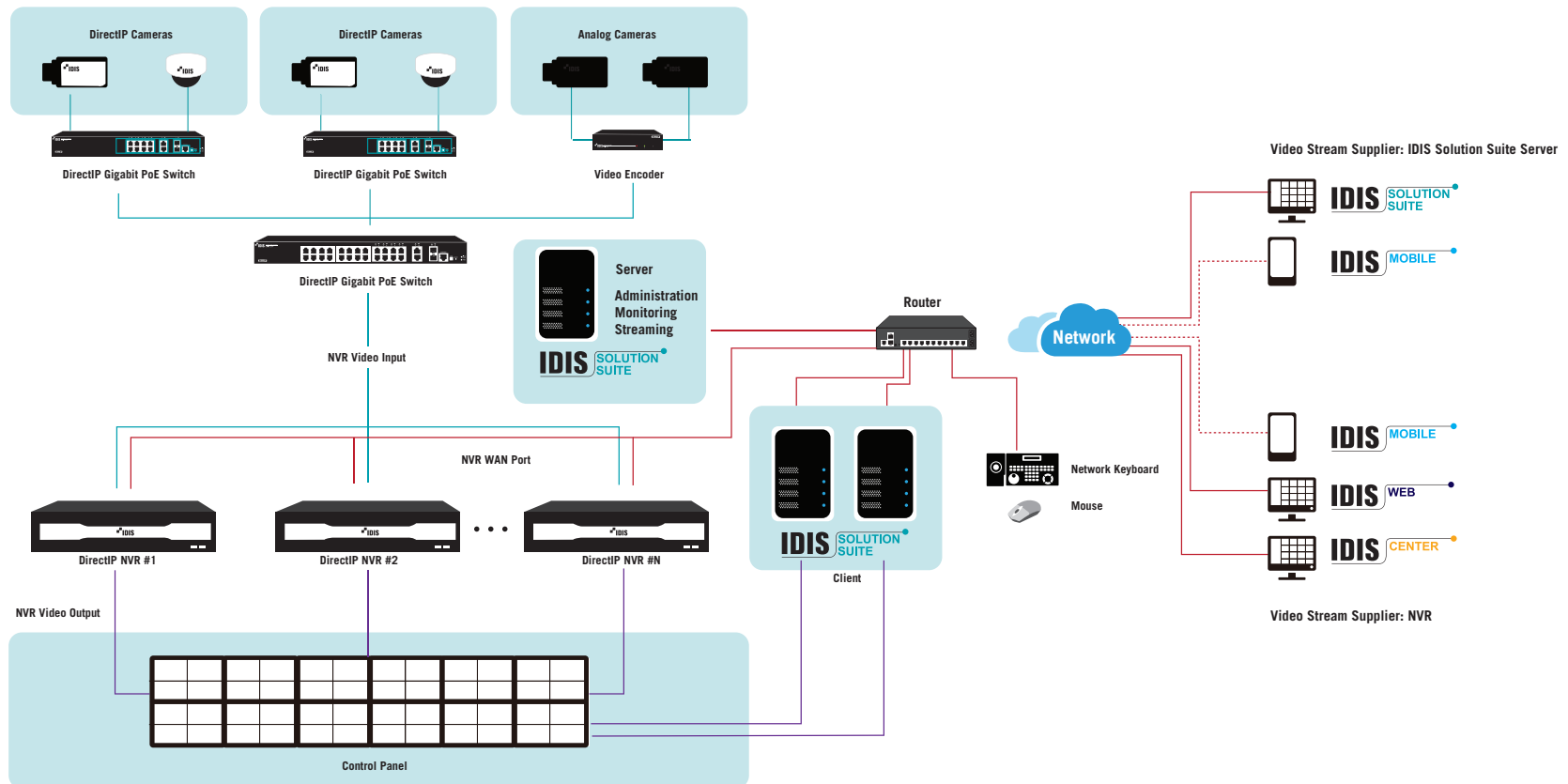
You can access a remote NVR, monitor live video images, and search recorded video using an iPhone, iPad, Android phone, and Android tablet PC any time from virtually anywhere.



### 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.

## IDIS Total Solution for Control Centres

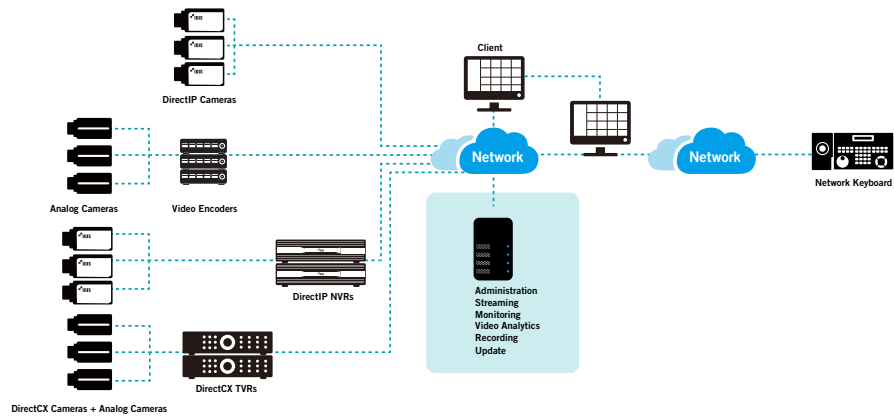




# APPLICATIONS

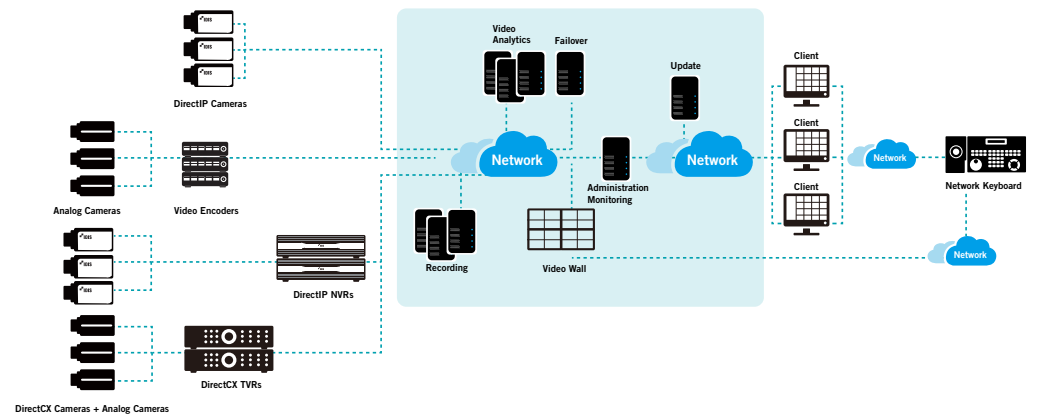
## Small Business Installation

- Easy to install
- HD surveillance
- Affordable video solution



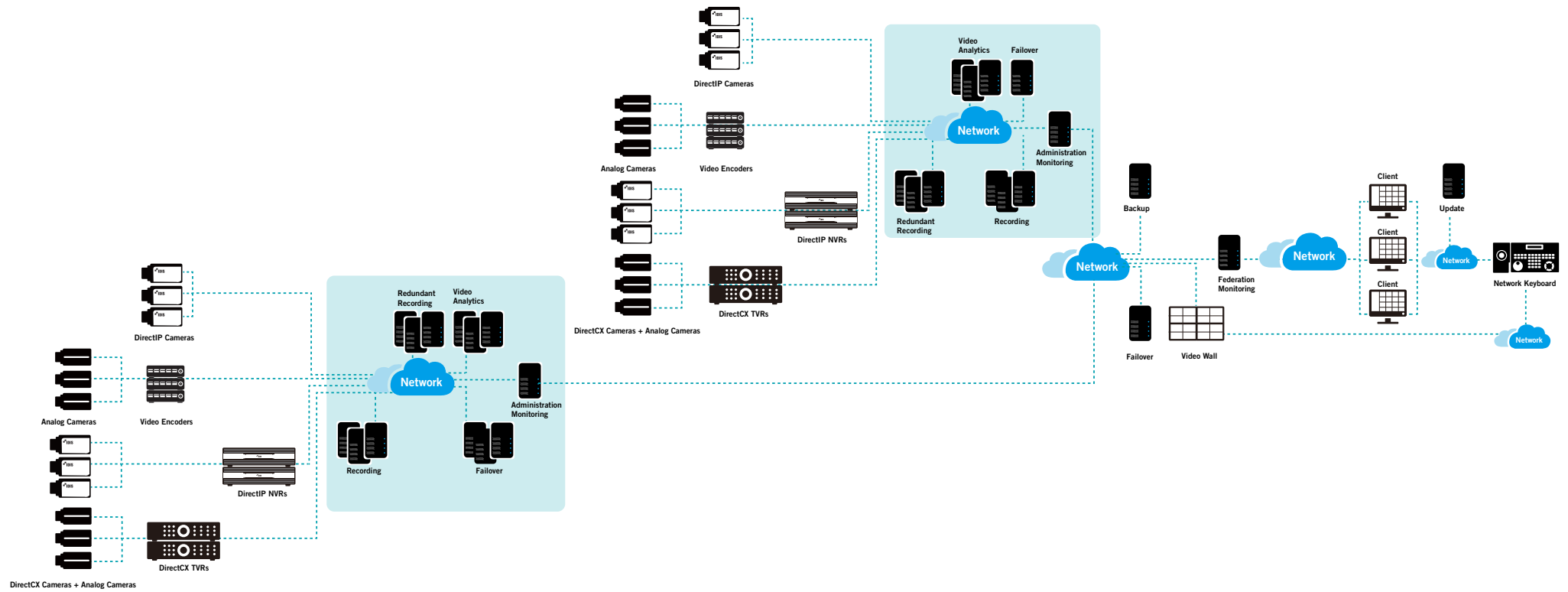
## Medium Business Installation

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



# Large Enterprise Installation

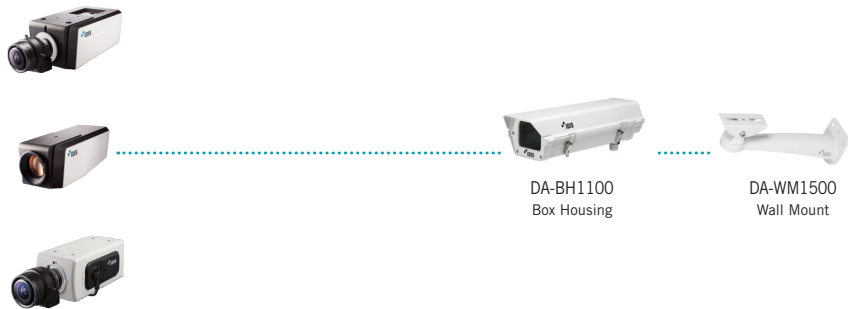
- Scalability with rich connectivity
- Flexibility enabling legacy and third-party system integration
- Simple integration with IDIS Center



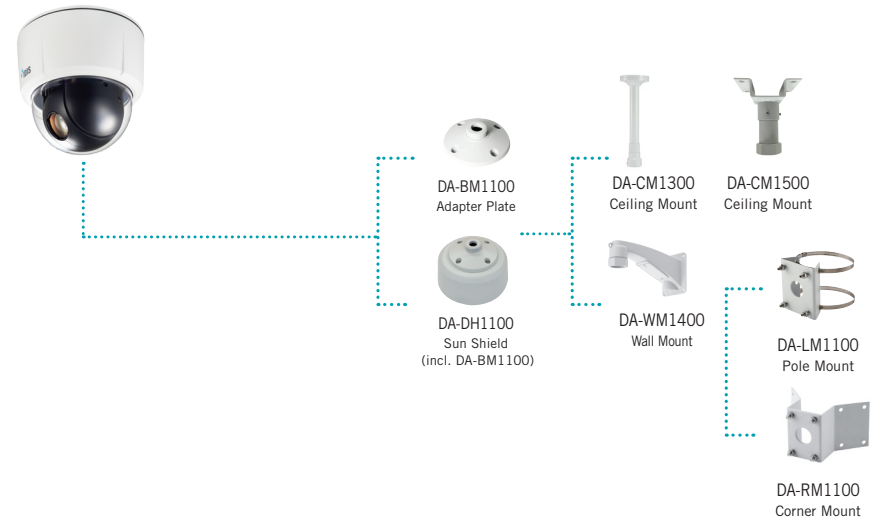


# CONFIGURATION TREE (1)

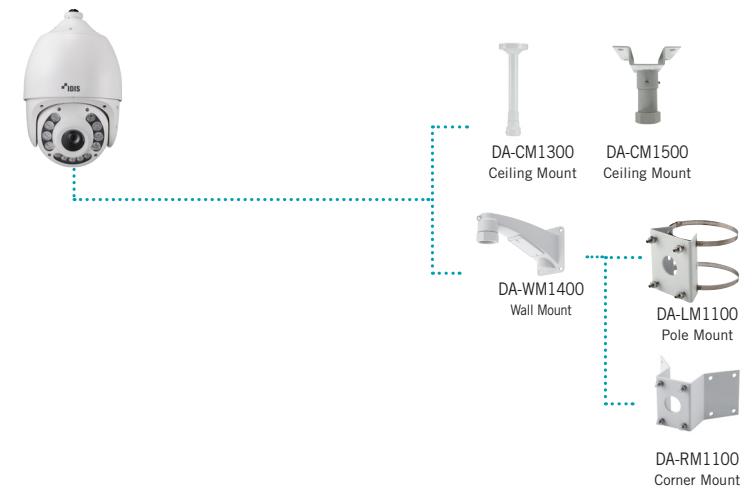
- BOX / ZOOM** · DC-B Series : DC-B1101, DC-B1103, DC-B1203, DC-B1203X, DC-B1303, DC-B3303X, DC-B1803
- DC-Z Series : DC-Z1163, DC-Z1263
- TC-B Series : TC-B1202



## SPEED DOME (1) · DC-Series : DC-S1163WH, DC-S1263WH, DC-S1283WHX



## SPEED DOME (2) · DC-Series : DC-S1163WH, DC-S1263WH, DC-S1283WHX



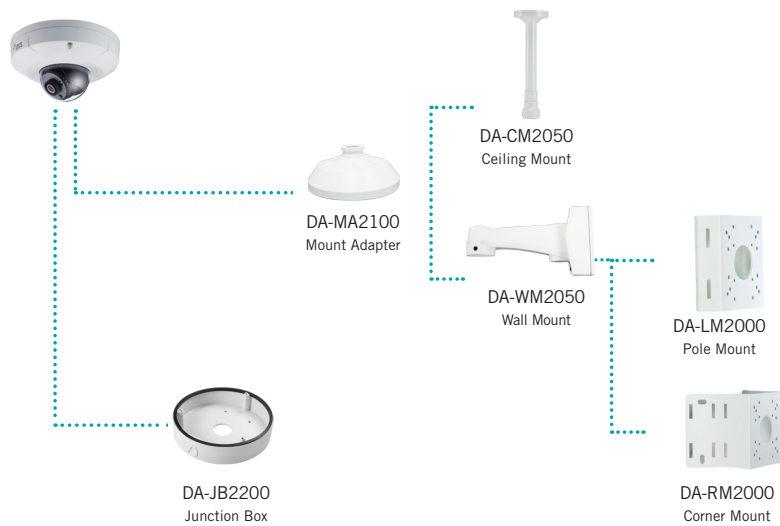
**DOME (1)** · DC-D Series : DC-D1111, DC-D1212R, DC-D2212R, DC-D3212RX  
 · TC-D Series : TC-D1212R



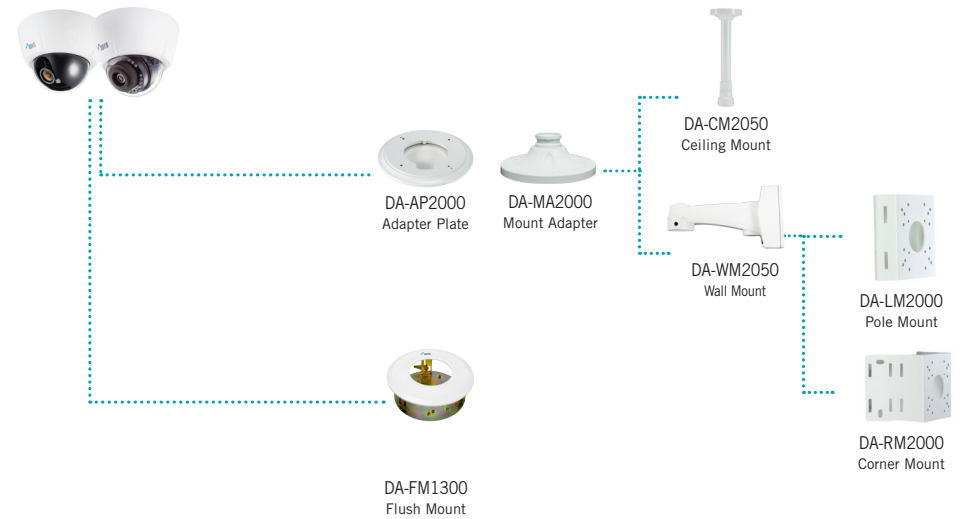
**DOME (1-1)** · DC-D Series : DC-D2233, DC-D2233R  
 · TC-D Series : TC-D1222R



**DOME (2)** · DC-D Series : DC-D2212WR



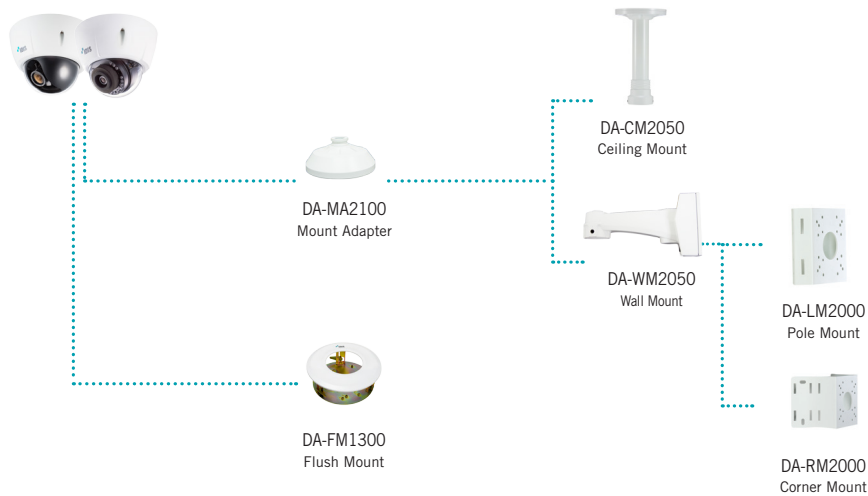
**DOME (3)** · DC-D Series : DC-D1122, DC-D1122R, DC-D1123, DC-D1123R, DC-D1223, DC-D1223R, DC-D1323R



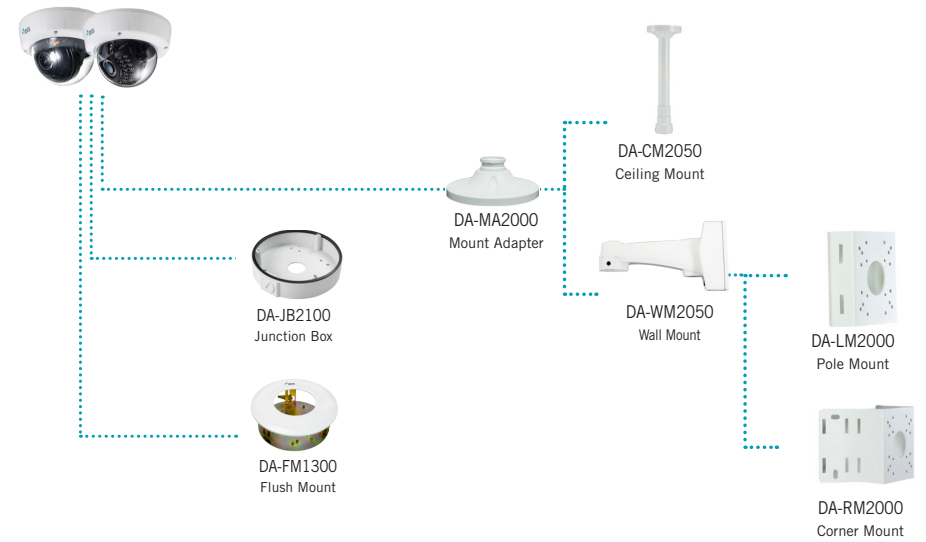


# CONFIGURATION TREE (2)

**DOME (4)** · DC-D Series : DC-D1122W, DC-D1122WR, DC-D1123W, DC-D1123WR, DC-D1123WHR, DC-D1223W, DC-D1223WR, DC-D1223WX, DC-D1223WHR, DC-D1323WHR



**DOME (5)** · DC-D Series : DC-D2233W, DC-D2233WR, DC-D2233WHR  
· TC-D Series : TC-D1222WR

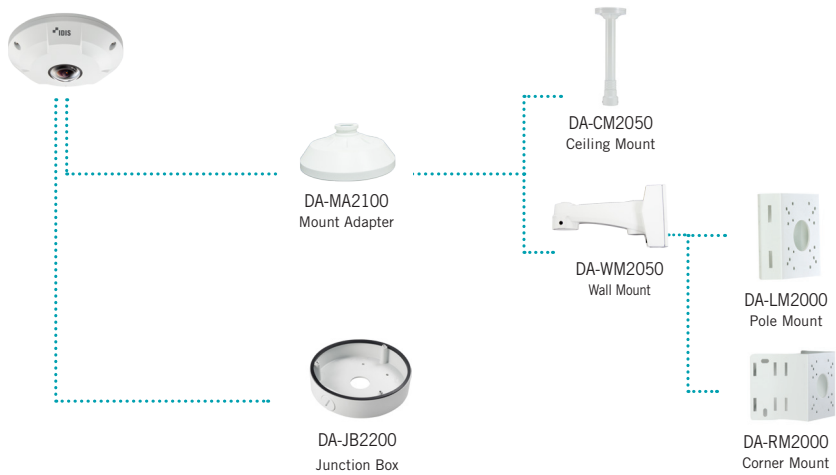


**DOME (6)** · DC-D Series : DC-D2233WHX, DC-D3233X, DC-D3233RX, DC-D3233WRX

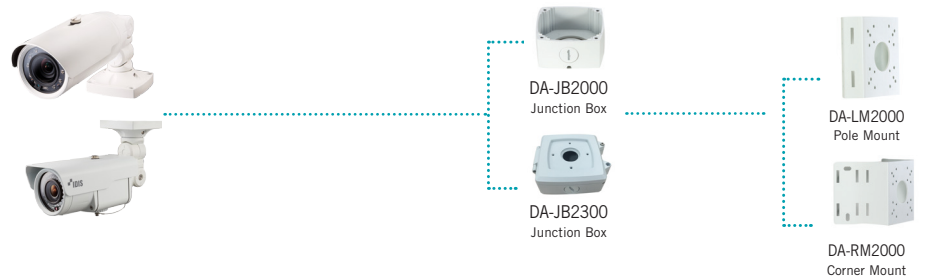




**DOME (7)** · DC-Y Series : DC-Y1514, DC-Y1514W



**BULLET** · DC-T Series : DC-T1232WR, DC-T1233WHR, DC-T1233WHX, DC-T1234WR, DC-T3233HRX, DC-T3243HRX, DC-T1833WHR  
· TC-T Series : TC-T1222WR





**Sales**  
**E** [uksales@idisglobal.com](mailto:uksales@idisglobal.com)

**Technical Support**  
**TF** 0808 168 6312  
 (Toll free for UK and Ireland)

**E** [uksupport@idisglobal.com](mailto:uksupport@idisglobal.com)  
**S** [idis-uksupport](mailto:idis-uksupport@idisglobal.com)  
 Monday-Friday 9am-5pm (Except public holidays)

**IDIS HQ**

IDIS Tower, 344 Pangyo-ro  
 Bundang-gu, Seongnam-si  
 Gyeonggi-do  
 Republic of Korea, 13493

**T** +82 (0)31 723 5400  
**F** +82 (0)31 723 5100  
**E** [sales@idisglobal.com](mailto:sales@idisglobal.com)

**IDIS America**

801 Hammond St, Ste 200  
 Coppell, TX 75019  
 U.S.A.

**T** +1 469 444 6538  
**F** +1 469 464 4449  
**E** [sales\\_americas@idisglobal.com](mailto:sales_americas@idisglobal.com)

**IDIS Europe**

1000 Great West Road  
 Brentford, Middlesex  
 TW8 9HH  
 United Kingdom

**T** +44 (0)203 657 5678  
**F** +44 (0)203 697 9360  
**E** [uksales@idisglobal.com](mailto:uksales@idisglobal.com)

**IDIS BeneLux**

De Slof 9  
 5107 RH  
 Dongen  
 The Netherlands

**T** +31 (0)162 387247  
**F** +31 (0)162 311915  
**E** [sales@bnl.idisglobal.com](mailto:sales@bnl.idisglobal.com)

**IDIS Middle East**

P.O. Box 341037  
 D-308, DSO HQ Bldg  
 Dubai Silicon Oasis  
 Dubai, U.A.E.

**T** +971 4 501 5434  
**F** +971 4 501 5436  
**E** [sales\\_mena@idisglobal.com](mailto:sales_mena@idisglobal.com)

IDIS and identifying product names and numbers herein are registered trademarks of IDIS Co., Ltd. All non-IDIS brands and product names are trademarks or registered trademarks of their respective companies. Product appearance, build status, and/or specifications are subject to change without notice. Copyright © IDIS Co., Ltd. All rights reserved.

\* Availability of product may vary by country / region.

\* Product specifications in this brochure can change. Please confirm details on our website.

For more information, please visit [www.idisglobal.com](http://www.idisglobal.com)