

**IDIS** One Solution. One Company.



**PRODUCT LINEUP BROCHURE**

—  
NETWORK  
VIDEO  
RECORDERS

—  
NETWORK  
CAMERAS

—  
NETWORK  
ACCESSORIES

—  
SOFTWARE  
SOLUTIONS

—  
HD-TVI  
SOLUTION

—  
SURVEILLANCE  
DISPLAYS



---

# 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.

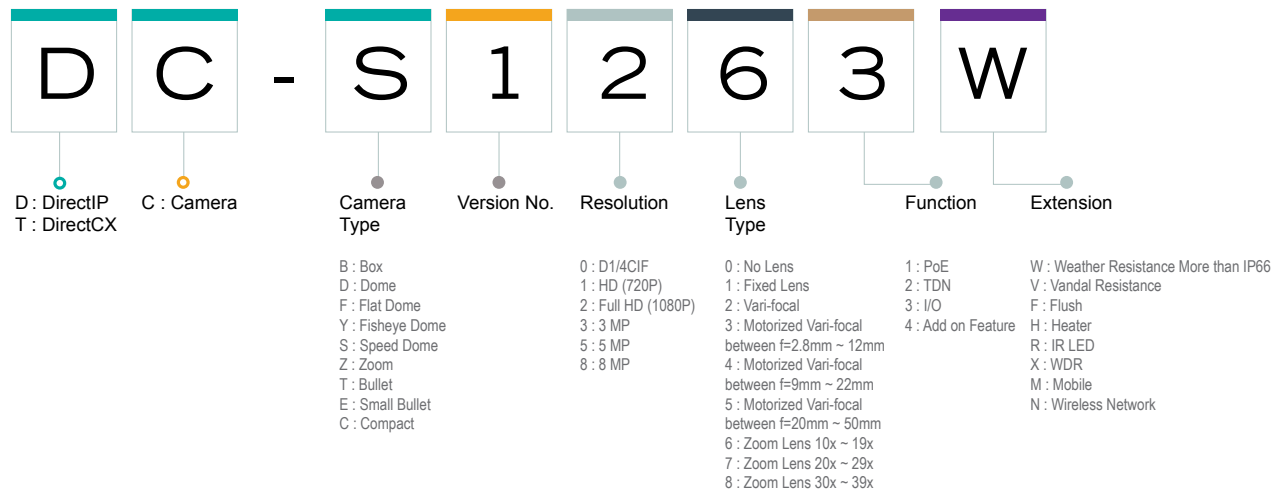
”

# NAMING STRUCTURE

## Network Video Recorders



## Network Cameras



---

# **Direct IP™**

ONVIF full member

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

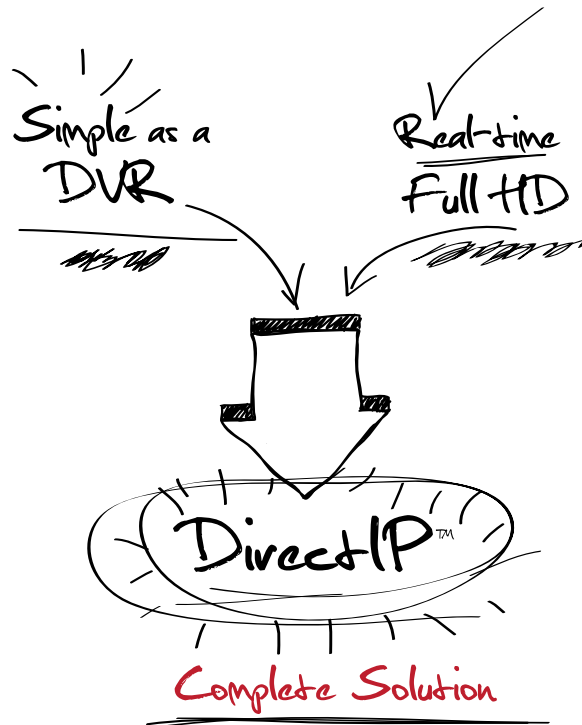


### **IP without the PC**

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 setup 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 network video recorders (NVRs), with a full-featured, completely cost-free video management software (VMS). Remarkably simple to install and maintain, DirectIP goes beyond mere “plug-and-play” capability, delivering an auto-configured, pre-engineered solution that is affordable and high performing.

## A Pre-Engineered Solution that Removes Guesswork without Restricting Choice

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

## Unprecedented Scalability for Any Surveillance Need

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


## Reduced Maintenance Requirements Mean Lowered Costs

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

# NETWORK VIDEO RECORDERS

Model Name	DR-2200P Series			DR-4200P Series	
	DR-2204P	DR-2208P	DR-2216P	DR-4208P	DR-4216P
					
<b>VIDEO</b>					
Video Inputs	4 IP Channels	8 IP Channels	16 IP Channels	8 IP Channels	16 IP Channels
Max. Incoming Throughput	84Mbps	116Mbps	116Mbps	170Mbps	230Mbps
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF			DirectIP, AXIS, PANASONIC, ONVIF	
Video Outputs	1 HDMI, 1 VGA			1 HDMI, 1 VGA	
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200			1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200	
Display Speed	Up to 120ips	Up to 240ips	Up to 480ips	Up to 240ips	Up to 480ips
<b>RECORDING</b>					
Max. Throughput	32Mbps, 120ips @ Full HD	64Mbps, 240ips @ Full HD	64Mbps, 480ips @ Full HD	80Mbps, 240ips @ Full HD	130Mbps, 480ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)			Up to 8MP (Depending on IP Camera)	
Recording Mode	Time-lapse, Event, Pre-event, Panic			Time-lapse, Event, Pre-event, Panic	
<b>PLAYBACK</b>					
Performance	4ch Full HD Synchronous Playback			4ch Full HD Synchronous 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 2, eSATA x 1, (Up to 4TB Capacity for Each Disk)			SATA x 4, eSATA x 2 (Up to 6TB Capacity for Each Disk) RAID 1 Supported	
Total Capacity	36TB = 6TB x (2 + 1 x 4)			72TB = 6TB x (4 (Internal) + 4 x 2(External))	
<b>NETWORK</b>					
Client Connection	Gigabit Ethernet (Client) x 1			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	Gigabit Ethernet (IP Camera) x 9	
Transmission Speed	20Mbps / 50Mbps (BRP Mode)			50Mbps / 100Mbps (BRP Mode)	
Camera Power	PoE (IEEE 802.3at Class4) Supported 4 Ports, 50W	PoE (IEEE 802.3at Class4) Supported 8 Ports, 50W	PoE (IEEE 802.3at Class4) Supported 8 Ports, 50W	PoE (IEEE 802.3at Class4) Supported 8 Ports, 120W	
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 + 1HDMI IP Camera : 4 / 4 (Depending on IP Camera)	Local (NVR) : - / 1 RCA + 1HDMI IP Camera : 8 / 8 (Depending on IP Camera)	Local (NVR) : - / 1 RCA + 1HDMI IP Camera : 16 / 16 (Depending on IP Camera)	Local (NVR) : 1 RCA / 1 RCA + 1HDMI IP Camera : 8 / 8 (Depending on IP Camera)	Local (NVR) : 1 RCA / 1 RCA + 1HDMI IP Camera : 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 4 / 4 (Depending on IP Camera)	Local (NVR) : 4 / 1 IP Camera : 8 / 8 (Depending on IP Camera)	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)	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	-			1	
Serial Interface	RS232 (Terminal Block)			RS232 (Terminal Block), RS485 (Terminal Block)	
USB	USB 2.0 x 1, USB 3.0 x 1			USB 2.0 x 2	
<b>GENERAL</b>					
Operating System	Embedded Linux			Embedded Linux	
Power Input	DC 12V 2.1A (for NVR), DC48V 1.0A (for PSE)	DC 12V 2.1A (for NVR), DC 48V 1.08A (for PSE)		AC 100-240V, 50/60Hz, 3.0 - 1.5A	
Power Consumption	Max. 25.2W (for NVR), Max. 52W (for PSE)			Max. 200W (With 4 HDDs)	
Approvals	FCC, CE, KC, PSE			FCC, CE, KC, CB, UL, PSE	

# NETWORK VIDEO RECORDERS

DR-6200P Series				
Model Name	DR-6216P(-S)	DR-6232P(-S)	DR-6216PS(-S)	DR-6232PS(-S)
				
<b>VIDEO</b>				
Video Inputs	16 IP Channels	32 IP Channels	16 IP Channels	32 IP Channels
Max. Incoming Throughput	260Mbps	330Mbps	260Mbps	330Mbps
Support Camera	DirectIP, AXIS, PANASONIC, ONVIF			
Video Outputs	1 HDMI, 1 VGA			
Display Resolution	1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200			
Display Speed	Up to 480ips	Up to 960ips	Up to 480ips	Up to 960ips
<b>RECORDING</b>				
Max. Throughput	160Mbps, 480ips @ Full HD	230Mbps, 960ips @ Full HD	160Mbps, 480ips @ Full HD	230Mbps, 960ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)			
Recording Mode	Time-Lapse, Event, Pre-Event, Panic			
<b>PLAYBACK</b>				
Performance	4ch Full HD Synchronous 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 9		Fast Ethernet (IP Camera) x 16 +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 / 1RCA + 1HDMI IP Camera : 16 / 16 (Depending on IP Camera)	Local (NVR) : 1 RCA / 1RCA + 1HDMI IP Camera : 32 / 32 (Depending on IP Camera)	Local (NVR) : 1 RCA / 1RCA + 1HDMI IP Camera : 16 / 16 (Depending on IP Camera)	Local (NVR) : 1 RCA / 1RCA + 1HDMI IP Camera : 32 / 32 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 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)
Alarm Reset In	1			
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)			
USB	USB 2.0 x 2			
<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, 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

DR-6300P Series			
Model Name	DR-6308P-S	DR-6316PS-S	DR-6332PS-S
 <span style="color: green; font-weight: bold; font-size: small;">NEW</span>			
<b>VIDEO</b>			
<b>Video Inputs</b>	8 IP Channels	16 IP Channels	32 IP Channels
<b>Max. Incoming Throughput</b>	210Mbps	300Mbps	350Mbps
<b>Support Camera</b>	DirectIP, AXIS, PANASONIC, ONVIF		
<b>Video Outputs</b>	1 HDMI, 1 VGA		
<b>Display Resolution</b>	3840x2160, 1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200		
<b>Display Speed</b>	Up to 240ips	Up to 480ips	Up to 960ips
<b>RECORDING</b>			
<b>Max. Throughput</b>	80Mbps, 240ips @ Full HD, 120ips @ 4K (UHD)	160Mbps, 480ips @ Full HD, 240 ips @ 4K (UHD)	230Mbps, 960ips @ Full HD, 240ips @ 4K (UHD)
<b>Recording Resolution</b>	Up to 8MP (Depending on IP Camera)		
<b>Recording Mode</b>	Time-lapse, Event, Pre-event, Panic		
<b>PLAYBACK</b>			
<b>Performance</b>	8ch Full HD Synchronous Playback 4ch 4K Playback	16ch Full HD Synchronous Playback 4ch 4K 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	Gigabit Ethernet (IP Camera) x 16 + Gigabit Ethernet(Ext) x 1	Gigabit 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 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 + 1HDMI IP Camera :8 / 8 (Depending on IP Camera)	Local (NVR) : 1 RCA / 1 RCA + 1HDMI IP Camera : 16 / 16 (Depending on IP Camera)	Local (NVR) : 1 RCA / 1 RCA + 1HDMI IP Camera : 32 / 32 (Depending on IP Camera)
<b>Alarm In / Out</b>	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)
<b>Alarm Reset In</b>	1		
<b>Serial Interface</b>	RS232 (Terminal Block), RS485 (Terminal Block)		
<b>USB</b>	USB 2.0 x 1, USB 3.0 x 1		
<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, UL, CE, CB, KC		








# DirectIP 8300 Series 64 Channel Real-time Full HD Recorder

## NETWORK VIDEO RECORDERS

	DR-8300 Series
Model Name	DR-8364D
	
<b>VIDEO</b>	
Video Inputs	64 IP Channels
Max. Incoming Throughput	900Mbps
Support 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 1920ips
<b>RECORDING</b>	
Max. Throughput	400Mbps, 1920ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Recording Mode	Time-lapse, Event, Pre-event, Panic
<b>PLAYBACK</b>	
Performance	16ch Full HD Synchronous Playback 4ch 4K Playback
Search Mode	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
Total Capacity	144TB = 6TB x (8(Internal)) + 4 x 4(External)
<b>NETWORK</b>	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (Video In) x 3, SFP (Video In) x 2
Transmission Speed	400Mbps / 500Mbps (BRP Mode)
Camera Power	-
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
<b>INTERFACE</b>	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1HDMI IP Camera : 64 / 64 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 64 / 64 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2, USB 3.0 x 1
<b>GENERAL</b>	
Operating System	Embedded Linux
Power Input	AC 100-240 V, 50/60Hz, 2.0 - 1.0A (Redundant Power)
Power Consumption	120W (With 8 HDDs)
Approvals	FCC, UL, CE, CB, KC

# 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.









# NETWORK CAMERAS

	Box			
Model Name	DC-B1203	DC-B1203X	DC-B1303	DC-B1803
				
<b>Image Sensor</b>	1/2.7" CMOS	1/2.8" CMOS	1/3" CMOS	1/2.3" CMOS
<b>Max. Resolution</b>	1920 x 1080	1920 x 1080	2304 x 1296	3840 x 2160
<b>Lens Type</b>	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
<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 : 0.4 Lux @ F1.6 B/W : 0.009 Lux @ F1.6
<b>Dynamic Range</b>	More than 70 dB	120dB (True WDR)	69.5dB	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
<b>Image Stabilizer</b>	-	Yes (DIS)	-	-
<b>Video Out</b>	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.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 : 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
<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)
<b>Edge Storage</b>	micro SD / SDHC	micro SD / SDHC	micro SD / SDHC	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 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
<b>Alarm In / Out</b>	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)
<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)
<b>Power Consumption</b>	4.8W	4.8W	4.8W	8.4W




# NETWORK CAMERAS

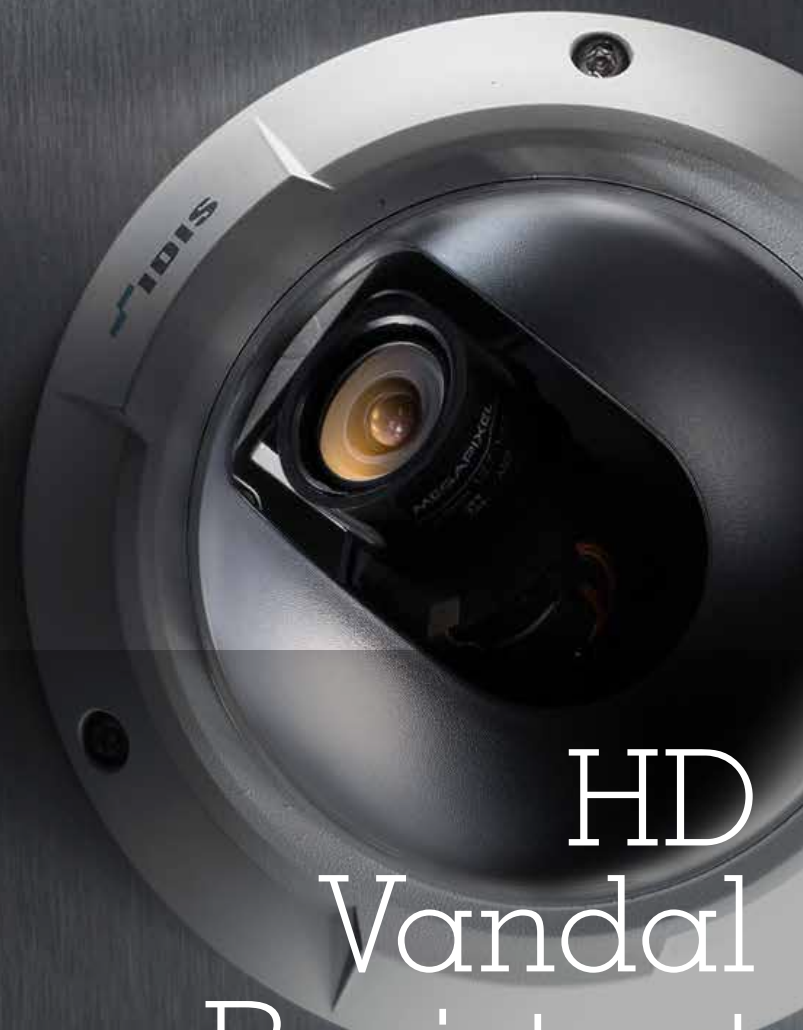
Model Name	Fixed-focal Dome				Vari-focal Dome		
	DC-D2212R	DC-D2212WR	DC-D1223(R)	DC-D1223F(R)	DC-D1223WX	DC-D1323R	DC-D1323WHR
							
<b>Image Sensor</b>	1/2.9" CMOS	1/2.9" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/3" CMOS	1/3" CMOS
<b>Max. Resolution</b>	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	2304 x 1296	2304 x 1296
<b>Lens Type</b>	Fixed-focal	Fixed-focal	Vari-focal	Vari-focal	Vari-focal	Vari-focal	Vari-focal
<b>Focal Length</b>	f=4.0mm	f=4.0mm	f=3.3 - 10mm	f=3.3 - 10mm	f=3 - 9mm	f=3.3 - 10mm	f=3.3 - 10mm
<b>Aperture</b>	F2.0	F2.0	F1.3 - 2.5	F1.3 - 2.5	F1.2 - 2.3	F1.3 - 2.5	F1.3 - 2.5
<b>Iris Control</b>	Fixed Iris	Fixed Iris	DC Auto 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)	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)	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: -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°	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 @ 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)	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)
<b>Dynamic Range</b>	74.7dB	74.7dB	More than 70dB	More than 70dB	120dB (True WDR)	69.5dB	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)	- / 20m (18ea) (DC-D1223R)	- / 20m (18ea) (DC-D1223FR)	-	20m (18ea)	20m (18ea)
<b>Image Stabilizer</b>	-	-	-	-	Yes (DIS)	-	-
<b>Video Out</b>	1 BNC (Accessory)	1 BNC (Accessory)	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	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	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	15fps : 2304 x 1296 30fps : 1920 x 1080	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	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 (10/100/1000 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	micro SD / SDHC	micro SD / SDHC
<b>Trigger Event</b>	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	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	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	-	IK10
<b>Outdoor Ready</b>	-	IP66	-	-	IP66	-	IP66, Heater
<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)	-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 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)	12VDC, PoE (IEEE 802.3af Class 2)
<b>Power Consumption</b>	3.96W	3.96W	4.8W / 5.6W (DC-D1223R)	4.8W	5.16W	5.6W	4.8W (Heater Off) 19.2W (Heater on / DC 12V Only)

# NETWORK CAMERAS

Model Name	Dome					
	DC-D2233	DC-D2233R	DC-D2233W	DC-D2233WR	DC-D2233WHR	DC-D2233WHX
						
<b>Image Sensor</b>	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>	1920 x 1080	1920 x 1080	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	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
<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
<b>Iris Control</b>	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 : 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: -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 : 0.3 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>	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
<b>IR Distance (LEDs)</b>	-	20m (28ea)	-	20m (28ea)	20m (28ea)	20m (28ea)
<b>Image Stabilizer</b>	-	-	-	-	-	Yes (DIS)
<b>Video Out</b>	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
<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	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
<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)
<b>Edge Storage</b>	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 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
<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
<b>Vandal Resistance</b>	-	-	IK10	IK10	IK10	IK10
<b>Outdoor Ready</b>	-	-	IP66	IP66	IP66, Heater	IP66, Heater
<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)	-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 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>	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	DC-F1211A
			
<b>Image Sensor</b>	1/3" CMOS	1/3" CMOS	1/2.7" CMOS
<b>Max. Resolution</b>	1920 x 1080	1920 x 1080	1920 x 1080
<b>Lens Type</b>	Motorized Vari-focal	Motorized Vari-focal	Fixed-focal
<b>Focal Length</b>	f=3.3 - 10mm	f=3.3 - 10mm	f=2.8mm
<b>Aperture</b>	F1.3 - 2.5	F1.3 - 2.5	F2.2
<b>Iris Control</b>	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)	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: -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 : 0.5 Lux @ F2.2 B/W : 0.3 Lux @ F2.2
<b>Dynamic Range</b>	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	Electric
<b>IR Distance (LEDs)</b>	20m (28ea)	20m (28ea)	-
<b>Image Stabilizer</b>	Yes (DIS)	Yes (DIS)	-
<b>De-fog</b>	Yes	Yes	-
<b>Video Out</b>	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.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)	30fps : 1920 x 1080
<b>Audio Compression</b>	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 BASE-T)
<b>Edge Storage</b>	micro SD / SDHC / SDXC	micro SD / SDHC / SDXC	-
<b>Trigger Event</b>	Motion Detection Audio Detection Alarm In Tampering Tripzone	Motion Detection Audio Detection Alarm In Tampering Tripzone	Motion Detection Tampering Trip Zone
<b>Audio In / Out</b>	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	-
<b>Vandal Resistance</b>	-	IK10	-
<b>Outdoor Ready</b>	-	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)
<b>Power Source</b>	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	3.6W



HD  
Vandal  
Resistant  
IR Dome  
Camera

# NETWORK CAMERAS

Model Name	Bullet						
	DC-E1212WR	DC-E3212WRX	DC-T1233WHR	DC-T1233WHX	DC-T1234WR	DC-T3233HRX	DC-T1833WHR
							
<b>Image Sensor</b>	1/2.7" CMOS	1/3" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/3" CMOS	1/2.5" CMOS
<b>Max. Resolution</b>	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160
<b>Lens Type</b>	Fixed-focal	Fixed-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
<b>Focal Length</b>	f=4.0mm	f=3.3mm	f=3.3 - 10mm	f=3.3 - 10mm	f=3.3 - 10mm	f=3.3 - 10mm	f=3.6 - 9.8mm
<b>Aperture</b>	F2.0	F2.0	F1.3 - 2.5	F1.3 - 2.5	F1.3 - 2.5	F1.3 - 2.5	F1.6 - 3.2
<b>Iris Control</b>	Fixed Iris	Fixed Iris	DC Auto Iris	DC Auto Iris	DC Auto Iris	P-Iris	P-Iris
<b>Angular Field of View</b>	90.3° (H), 47.0° (V), 108.4° (D)	96.4° (H), 52.3° (V), 113.2° (D) (f=3.3mm)	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 : 93.9° (H), 50° (V), 111 (D) Tele : 31.8° (H), 17.9° (V), 36.5° (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 : 0.2 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)	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 : 0.01 Lux @ F1.3 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.6 B/W : 0 Lux (IR LED On)
<b>Dynamic Range</b>	More than 70dB	120dB (True WDR)	74.7dB	120dB (True WDR)	74.7dB	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>	10m (24ea)	10m (2ea)	30m (42ea)	30m (42 ea)	30m (24ea) / White LED (6ea)	30m (10 ea)	30m (10 ea)
<b>Image Stabilizer</b>	-	Yes (DIS)	-	Yes (DIS)	-	Yes (DIS)	-
<b>De-fog</b>	-	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.265, H.264 (MP), M-JPEG	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	30fps : 1920 x 1080 (WDR)	30fps : 1920 x 1080	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	30fps : 1920 x 1080	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	30fps : 3840x2160 60fps : 1920x1080
<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 (10/100/1000 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 / SDXC	-
<b>Trigger Event</b>	Motion Detection Tampering Trip Zone	Motion Detection Tampering Trip Zone	Motion Detection Audio Detection Tampering Trip Zone	Motion Detection Alarm In Tampering Face Detection	Motion 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
<b>Alarm In / Out</b>	-	-	Input 1ea / Output 1ea	Input 1ea / Output 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	IP66	IP66, Heater	IP66, Heater	IP66	IP66, Heater	IP66, Heater
<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)	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	-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)	-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>	PoE(IEEE 802.3af Class 2)	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)
<b>Power Consumption</b>	4.8W	5.24W	9.24W (Heater Off) 17.4W (Heater On / DC 12V Only)	10.8W (Heater Off) 22.8W (Heater On / DC 12V Only)	7.2W	8.64W	13.2W

# IDIS Super Fisheye

5 Megapixel  
360° Fisheye Dome Camera



Model Name	Fisheye	
	DC-Y1513(W)	DC-Y1514(W)
		
<b>Image Sensor</b>	1/1.8" CMOS	1/1.8" CMOS
<b>Max. Resolution</b>	2560 x 2048	2560 x 2048
<b>Lens Type</b>	Fixed-focal	Fixed-focal
<b>Focal Length</b>	f=1.45mm	f=1.45mm
<b>Aperture</b>	F2.2	F2.2
<b>Iris Control</b>	Fixed Iris	Fixed Iris
<b>Angular Field of View</b>	180° (H), 180° (V), 180° (D)	180° (H), 180° (V), 180° (D)
<b>Pan / Tilt / Zoom</b>	-	-
<b>Min. Illumination</b>	Color : 0.8 Lux @ F2.2 B/W : 0.003 Lux @ F2.2	Color : 0.8 Lux @ F2.2 B/W : 0.003 Lux @ F2.2
<b>Dynamic Range</b>	More than 70dB (90dB @ digital WDR)	More than 70dB (90dB @ digital WDR)
<b>Day and Night</b>	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
<b>IR Distance (LEDs)</b>	-	-
<b>Image Stabilizer</b>	-	-
<b>Viewing Composition</b>	10, 1P, 1P2R, 2P, 4R, 107R	10, 1P, 1P2R, 2P, 4R, 107R
<b>Video Out</b>	-	-
<b>Video Compression</b>	H.264 (MPEG-4 Part 10/AVC), M-JPEG	H.264 (MPEG-4 Part 10/AVC), M-JPEG
<b>Max. Frame Rate</b>	30fps : 2560 x 2048	30fps : 2560 x 2048
<b>Audio Compression</b>	G.726, G.711	G.726, G.711
<b>Ethernet</b>	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000 BASE-T)
<b>Edge Storage</b>	micro SD / SDHC / SDXC	micro SD / SDHC / SDXC
<b>Trigger Event</b>	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Alarm In Audio Detection Tampering Trip Zone
<b>Audio In / Out</b>	Line-in 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
<b>Vandal Resistance</b>	- / IK10 (W)	- / IK10 (W)
<b>Outdoor Ready</b>	- / IP 66 (W)	- / IP 66 (W)
<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)
<b>Power Source</b>	12VDC, PoE (IEEE 802.3af Class 3)	12VDC, PoE (IEEE 802.3af Class 3)
<b>Power Consumption</b>	7.56W	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 video management software (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

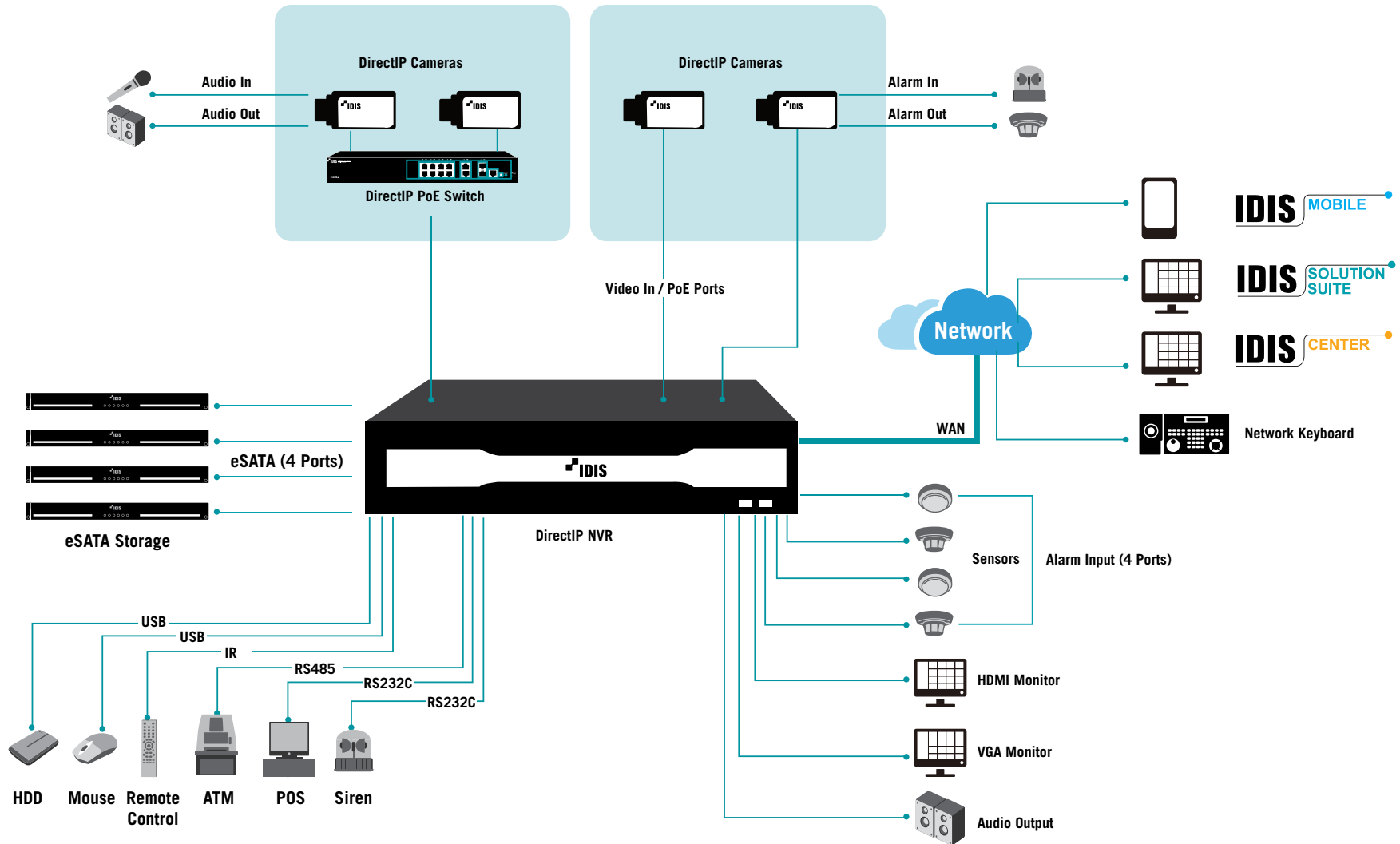
The IDIS mobile application allows users to conveniently access their surveillance system while on the move and view distortion-free dewarped images from anywhere and at any time. This provides an additional level of usability for integrators and end users on the go.

# NETWORK CAMERAS

Model Name	Speed Dome			
	DC-S1263WH	DC-S1263F	DC-S1283WHX	DC-S1283FX
				
<b>Image Sensor</b>	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
<b>Lens Type</b>	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
<b>Aperture</b>	F1.6 - 2.8	F1.6 - 2.8	F1.6 - 5.0	F1.6 - 5.0
<b>Iris Control</b>	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)
<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
<b>Dynamic Range</b>	74.7dB	74.7dB	120dB (True WDR)	120dB (True WDR)
<b>IR Distance (LEDs)</b>	-	-	-	-
<b>Image Stabilizer</b>	-	-	Yes (DIS)	Yes (DIS)
<b>Video Out</b>	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
<b>Max. Frame Rate</b>	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
<b>Ethernet</b>	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
<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
<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	-	-	-
<b>Outdoor Ready</b>	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)
<b>Power Source</b>	12VDC, 24VAC PoE(IEEE 802.3af Class 4)	12VDC, 24VAC PoE(IEEE 802.3af Class 3)	12VDC, 24VAC PoE(IEEE 802.3af Class 4)	12VDC, 24VAC PoE(IEEE 802.3af Class 3)
<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

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-6300 Series NVR Connection Diagram





# Direct CX






## The Most Advanced HD Analogue Over Coax Solution



## HD-TVI RECORDERS

Model Name	TVR		
	TR-2104	TR-4108	TR-4116
			
<b>VIDEO</b>			
Video Inputs	4 BNC (Analog and HD-TVI)	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 / 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	4ch 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 4TB Capacity for Each Disk)	SATA x 4, eSATA x 1, (Up to 4TB Capacity for Each Disk)	
Data Export Device	USB HDD, USB Stick	USB HDD, USB Stick	
<b>NETWORK</b>			
Client Connection	Gigabit Ethernet x1	Gigabit Ethernet x1	
Transmission Speed	30ips @ D1 (NTSC / PAL)	30ips @ D1 (NTSC / PAL)	
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 x 2	
<b>GENERAL</b>			
Operating System	Embedded Linux	Embedded Linux	
Operating Humidity	0% ~ 90%	0% ~ 90%	
Power Input	DC 12V 1.6A	AC 100-240 V, 50/60Hz, 1.0 - 0.5A	
Power Consumption	19.2W	80W	
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 allowing longer lifetime, anti image-sticking, energy saving, and VESA compliances. Our exclusive range of surveillance monitors feature industry-leading UHD to Full HD resolution in various sizes.



SM-U841

### Built to Run 24/7

IDIS monitors provide superior colour 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. Super 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 colours. LED backlight technology offers superior benefits compared to CCFL LCDs, in terms of reduced energy consumption, better contrast and brightness, greater colour range, a rapid response to changes in scene, more accurate image rendering, 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)

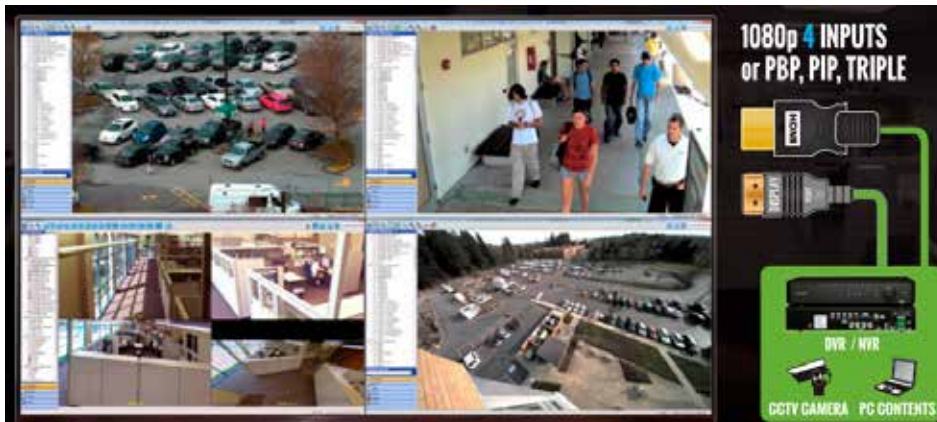
## A Professional 4K Security Display and Perfect Digital Signage Solution.

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.



## 1080p 4 Inputs

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

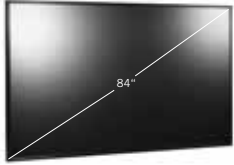




## Vivid colours + Various QFHD




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



# SURVEILLANCE DISPLAYS

	UHD LCD Monitor		Full HD UNB Video Wall Monitor
	SM-U841	SM-U281	VW-F551
Model Name			
<b>PANEL</b>			
Screen Size	84inch	28inch	55inch
Active Display Area	1,860.48 (H) x 1,046.52 (V) mm	648.9 (H) x 369.3 (V) mm	1,209.6 (H) x 680.4 (V) mm
Max. Resolution	UHD (3840 x 2160)	3840 x 2160 @ 60Hz	Full HD (1920 x 1080)
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)	0.16(H) x 0.16 (V) mm	0.63(H) X 0.63 (V) mm
Brightness	250 cd/m2	400cd/m²(Typical)	500 cd/m2
Contrast Ratio	750:1	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	1.07 G (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	3year / 3year	3 year / 2 year	3year / 3year
MTBF	50,000 Hours	50,000 Hours / Panel (40,000Hrs)	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)	32°F ~ 95°F / 0°C ~ 35°C	5°C ~ 35°C (41°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	-4 ~ 140°F / -20 ~ 60°C	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
			
<b>PANEL</b>			
Screen Size	21.5inch	23inch	32inch
Active Display Area	476.64 (H) x 268.11(V) mm	509.76(H) x 286.74 (V)mm	698.4 (H) X 392.85 (V)mm
Max. Resolution	1920 x 1080 @ 60Hz	1920 x 1080 @ 60Hz	1920 x 1080 @60Hz
Panel Technology	TN LCD Panel	TN LCD Panel	IPS (In-Plane Switching)
Anti-glare	Yes	Yes	Yes
Pixel Pitch	0.24825 (H) x 0.24825 (V) mm	0.2655 (H) x 0.2655 (V)mm	0.36375(H) x 0.36375(V)mm
Brightness	250cd/m <sup>2</sup> (Typical)	250cd/m <sup>2</sup> (Typical)	350cd/m <sup>2</sup> (Typical)
Contrast Ratio	1000:1	1000:1	3000:1
Aspect Ratio	16:9	16:9	16:9
Viewing Angle (H/V)	170° / 160°	170° / 160°	178° / 178°
Display Color	16.7 Million	16.7 Million	16.7 Million
Response Time	< 5ms	< 5ms	< 6.5ms
Refresh Rate	60Hz	60Hz	60Hz
<b>INTERFACE</b>			
HDMI In	1	1	2
Display Port	No	No	No
VGA In	1	1	1
DVI In	No	No	1
Audio Input	1	1	Component 1(L) / 1(R) AV (Composite) 2(L) / 2(R)
Audio Output	No	No	1
BNC Video In	1	1	2
BNC Video out	1	1	2
S-Video In / Out	No	No	1/1
COMPONENT Y/Pb/Pr IN	No	No	1
RS232	No	No	No
<b>GENERAL</b>			
Outline Dimensions (W x H x D)	515.1 mm x 371.1 mm x 45.0 mm (20.28" x 14.61" x 1.77")	547.9 mm x 410.2 mm x 62.23 mm (21.57" x 16.15" x 2.45")	753.4mm x 485.7mm x 180mm(29.66" x 19.12" x 7.09")
Bezel	-	-	-
Net Weight	3.67kg (8.1lb)	4.56kg (10.05lb)	13kg (28.66lb)
Material / Color	Plastic / Black	Plastic / Black	Metal / Black
Warranty - Parts / Labor	3 year / 3 year	3 year / 3 year	3 year / 3 year
MTBF	50,000 Hours / Panel (30,000Hrs)	50,000 Hours / Panel (30,000Hrs)	50,000 Hours / Panel (30,000Hrs)
Power Supply	DC 12V, 2.1A (AC100 ~ 240V[50/60Hz])	DC12V, 2.0A (AC100 ~ 240V[50/60Hz])	AC100 ~ 240V(50/60Hz)
Power Consumption	25.2W	24W	55W
Power Savings (DPMS)	Yes	Yes	Yes
Operating Temperature	32 - 104°F / 0 - 40°C	32 - 104°F / 0 - 40°C	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C	-4 - 140°F / -20 - 60°C	-4 - 140°F / -20 - 60°C
Built-in Speakers	Yes (2W x 2)	Yes (2W x 2)	Yes (2W x 2)
Remote Control	No	No	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
<b>EXTERNAL CONTROLS</b>			
IR Sensor (for Remote Control)	No	No	Built-in
Serial In / Out	No	No	No
USB	No	No	No

# Network Accessories



Complete Accessory Lineup


Compliments IDIS IP Surveillance Solutions

	Network Keyboard
Model Name	NK-1100
	
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 Power Over Ethernet (PoE) (IEEE 802.3af, IEEE 802.3at)</li> <li>· Supports plug-and-play without setting up special IP addresses</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	FTLF8519P-3BNL	FTLF1318P-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> </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>· Compatible with IEEE 802.3af, IEEE 802.3at</li> <li>· Up to 30W of PoE power feeding on 2-pairs</li> <li>· Supports 10/100/1000 BASE-T lan environment</li> </ul>	<ul style="list-style-type: none"> <li>· Compatible with IEEE 802.3af</li> <li>· A maximum distance of 1,607ft (490m) can be achieved between the NVR and camera via three DA-PR1101 ethernet extenders</li> <li>· PoE switch off function via PoE on/off switch</li> </ul>	<ul style="list-style-type: none"> <li>· DirectIP switch for auto negotiation, Half/Full duplex and LLF, Converter mode</li> <li>· Comply with IEEE 802.e, 802.3u, 802.3ab and 802.3z</li> </ul>	<p><b>FTLF8519P-3BNL</b></p> <ul style="list-style-type: none"> <li>· Up to 500m on 50/125µm MMF, 300m on 62.5/125µm MMF</li> <li>· Up to 2.125 Gb/s bi-directional data links</li> </ul> <p><b>FTLF1318P-3BTL</b></p> <ul style="list-style-type: none"> <li>· Up to 32,808ft (10km) on 9/125µm SMF</li> <li>· Up to 1.25Gb/s bi-directional data links</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>· DirectIP 10 ports switch with 8 PoE ports</li> <li>· Max. 70W PoE power budget</li> <li>· Power on/off control for each PoE port using DirectIP NVR</li> </ul>	<ul style="list-style-type: none"> <li>· DirectIP 18 ports switch with 16 PoE ports</li> <li>· Max. 140W PoE power budget</li> <li>· Power on/off control for each PoE port using DirectIP NVR</li> </ul>	<ul style="list-style-type: none"> <li>· DirectIP 12 ports switch with 8 PoE ports</li> <li>· Max. 140W PoE power budget</li> <li>· Power on/off control for each PoE port using DirectIP NVR</li> </ul>	<ul style="list-style-type: none"> <li>· DirectIP 28 ports switch with 24 PoE ports</li> <li>· Max. 400W PoE power budget</li> <li>· Power on/off control for each PoE port using DirectIP NVR</li> </ul>

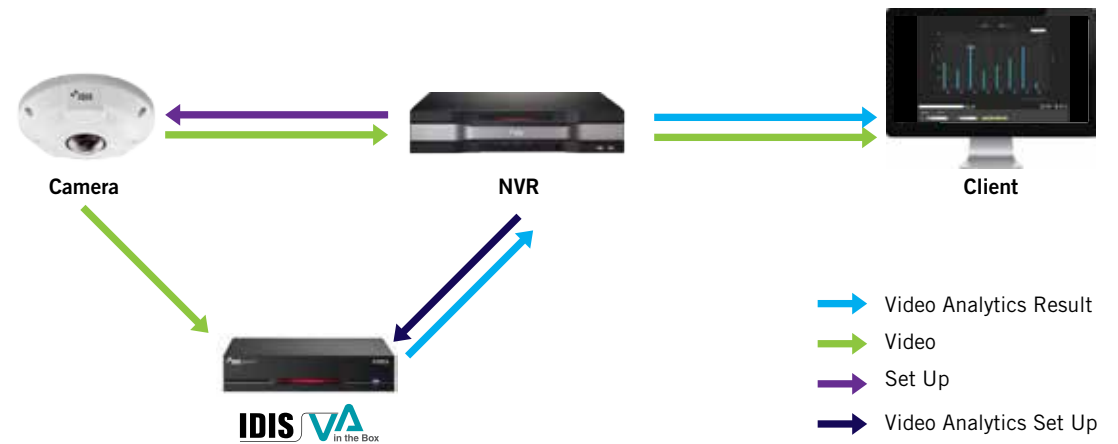
	Encoder	
Model Name	DE-1104	DE-1108
		
Video Compression	H.264	H.264
Video Input	4 BNC Composite	8 BNC Composite
Max. Video Resolution	D1 : 720 x 480 / 720 x 576 (NTSC / PAL) 960H : 960 x 480 / 960 x 576 (NTSC / PAL)	D1 : 720 x 480 / 720 x 576 (NTSC / PAL) 960H : 960 x 480 / 960 x 576 (NTSC / PAL)
Frame 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
Certifications	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
Certifications	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. Network Throughput	24TB (Up to 6TB 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
Certifications	FCC,CE

# IDIS VA in the Box

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



## Analytic Reports

### Reports and graphs

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



## People Counting

Count, track, and analyse 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.



## Heatmap

Visualise visitor footfall and behaviour

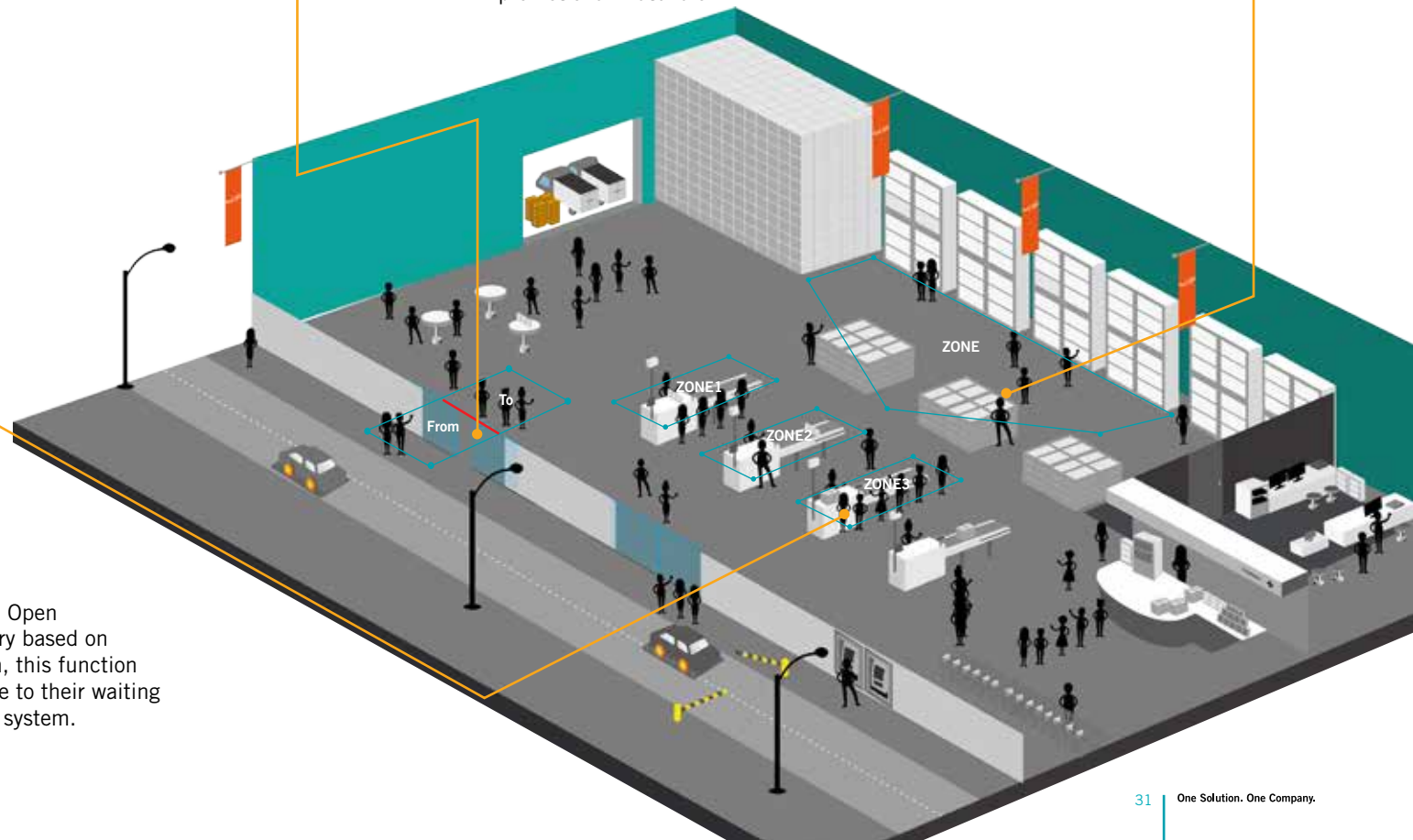
Highlight where people spend time and what they interact with. This is utilized to determine the best location where exposure needs to be maximized, such as new product zones or areas with sluggish sales. It can also be used to select the best locations for advertisements and promotional materials.



## Queue Management

Reduces customer wait times

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 ANPR	
DC-T1244WR	
Model Name	
Image Sensor	1/2.8" CMOS
Max. Resolution	1920 x 1080
Lens Type	Motorized Vari-focal
Focal Length	f=9-22mm
Aperture	F1.5
Iris Control	DC 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)	30 m (40 ea)
Video Out	1 BNC
Video Compression	H.264 (MP), M-JPEG
Max. Frame Rate	30fps : 1920 x 1080
Audio Compression	G.726, G.711
Ethernet	RJ45 (10/100BASE-T)
Trigger Event	Motion Detection, Audio Detection, Tampering, Trip Zone
Vandal Proof Casing	IK10
Outdoor Ready	IP66, Heater
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 Expert is a program that manages multiple NVRs and IP cameras for large-scale applications.

### Administration

IDIS Solution Suite Administration service module defines an IDIS Solution Suite system showing where all its other service modules are registered to. This suite allows centralized management of access privileges and centralised device management, such as device FW upgrade, remote device configuration, and configuration of all the other IDIS Solution Suite service modules in use.

### Monitoring

IDIS Solution Suite Monitoring service module allows centralised event dispatch services and allows 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.

### Recording

IDIS Solution Suite Recording service module is where video is recorded directly from IP cameras or IP video encoders. An IDIS Solution Suite Recording service 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. You can add up to 64 IDIS Solution Suite Recording service modules to any IDIS Solution Suite System.

### Streaming

IDIS Solution Suite Streaming service module allows up to 64 remote users to access the live video stream. The service can be configured in a load balancing mode to maximize the PC server resources and provide redundancy in case one of the IDIS Solution Suite Streaming service modules goes offline.

### Redundant

IDIS Solution Suite Redundant recording module allows users to provide a tandem recording. You can create a redundant video in a different server, which can be located in a remote location. In case your main IDIS Solution Suite recording server is destroyed, your data is protected in a remote location.

### Backup

IDIS Solution Suite Backup service module can be used to provide an offline backup of video. This backup service allows you to choose a set of cameras to be archived on a pre-programmed schedule. It allows you to archive your video while minimising the network traffic during your peak hours of operation. 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. You can furnish up to 384 monitors by utilising the Video Wall service module.

### Federation

IDIS Solution Suite Federation module works in a very similar way as the IDIS Solution Suite Administration service module, and it allows you to create a federation of multiple IDIS Solution Suite systems. This service module allows the centralised user management access privilege control over devices registered to the multiple IDIS Solution Suite systems. It 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). While each IDIS Solution Suite system can have up to 64,000 cameras, and IDIS Solution Suite Federation allows multiples of these systems.

### Failover

IDIS Solution Suite Failover service modules provide server grade redundancy. You can provide Failover services to different service modules, such as Administration, Federation, Recording, 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 go back 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

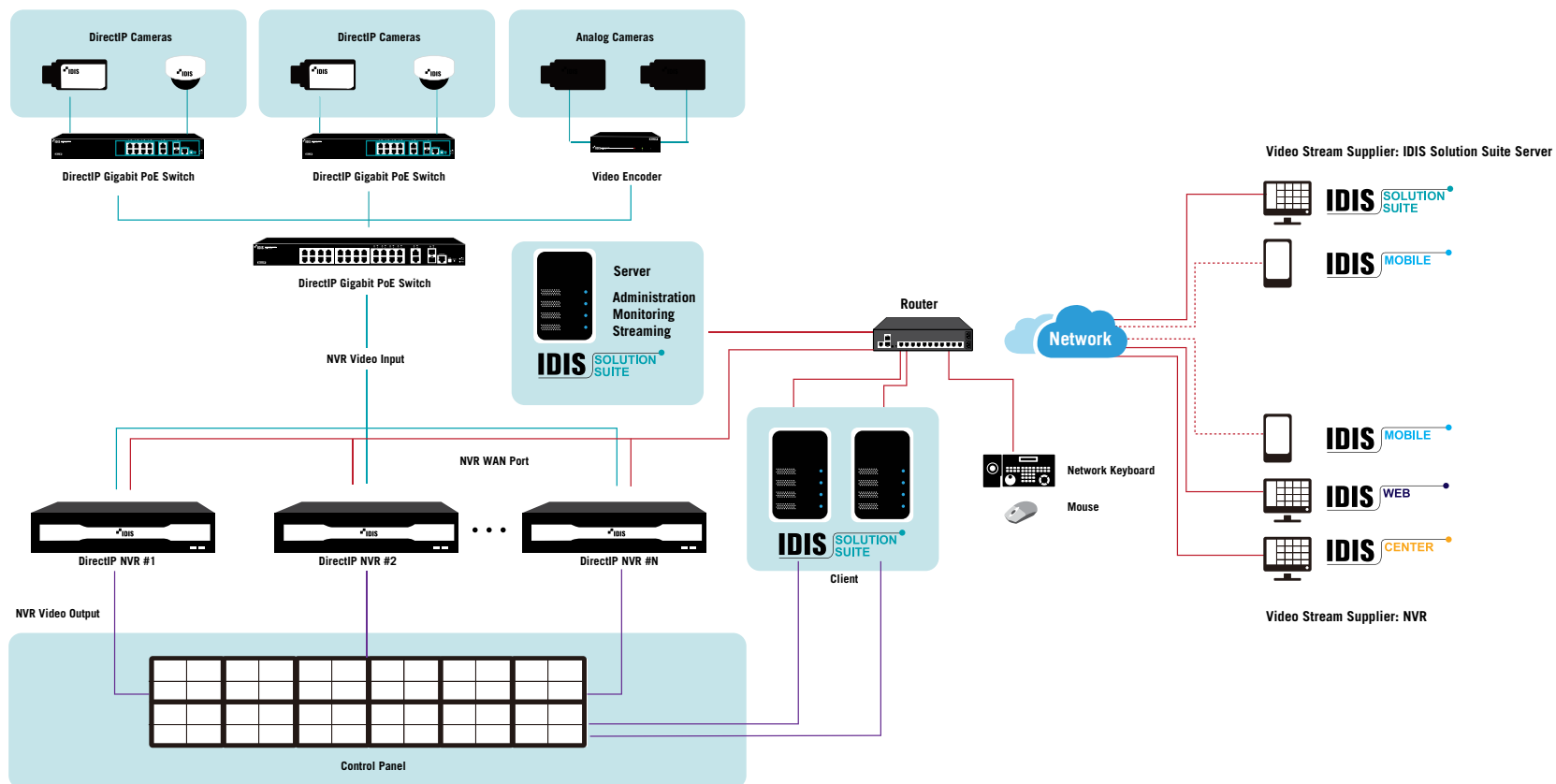
You can access a remote NVR, monitor live video images, and search recorded video using an iPhone, iPad, Android phone, and Android tablet PC any time from virtually anywhere.



### 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.

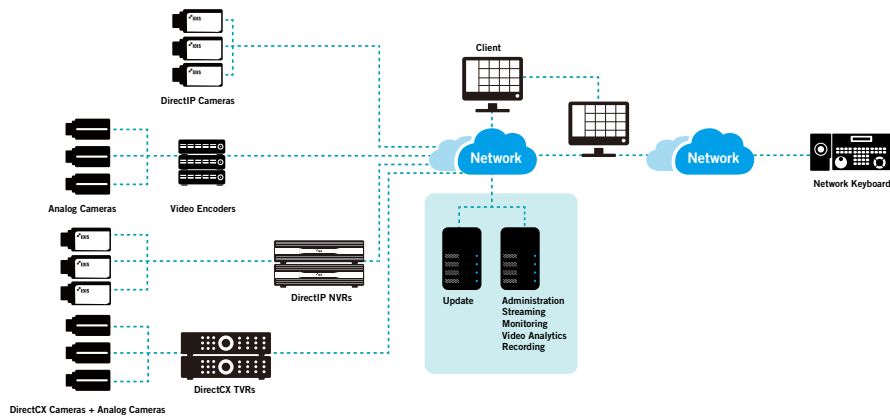
## IDIS Total Solution for Control Centres



# APPLICATIONS

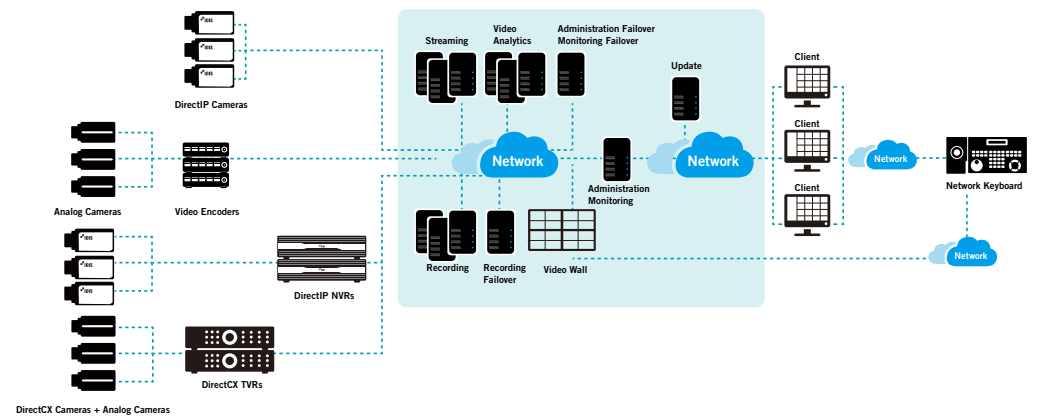
## Small Business Installation

- Easy to install
- HD surveillance
- Affordable video solution



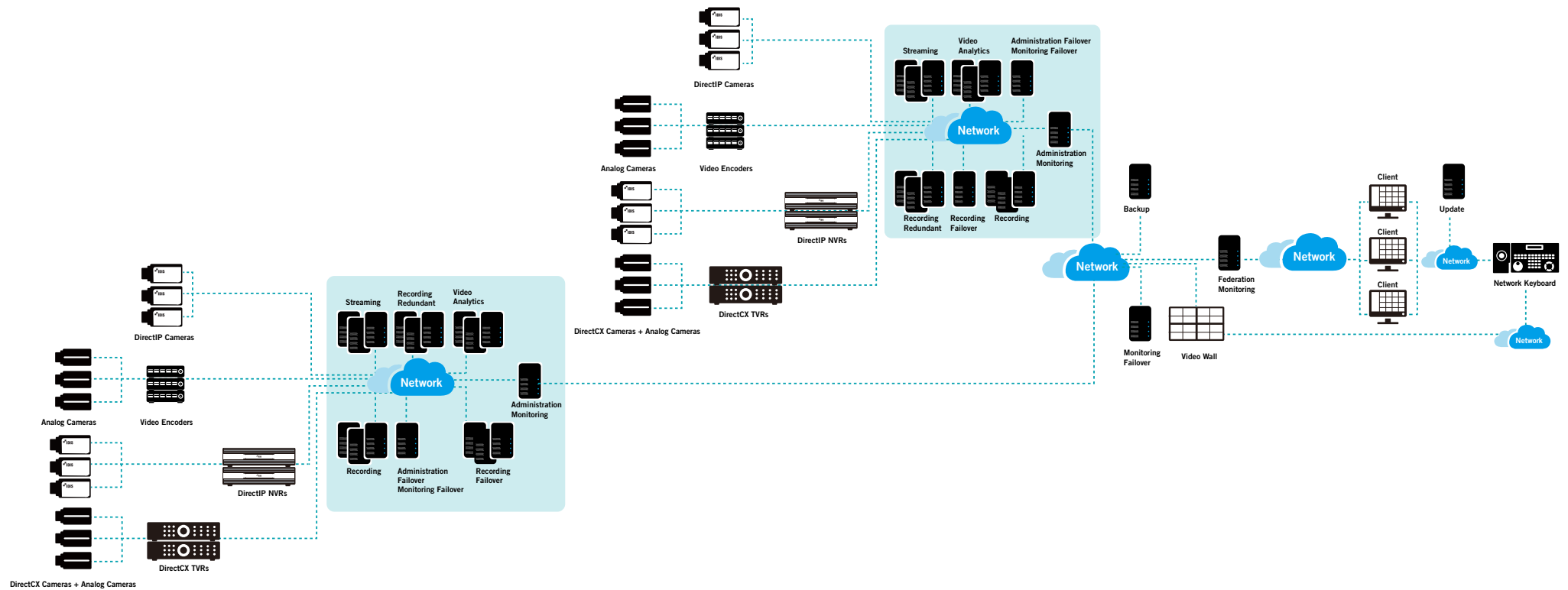
## Medium Business Installation

- 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

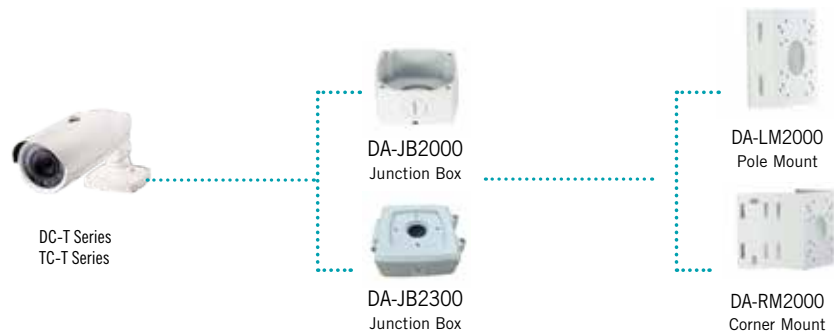


# CONFIGURATION TREE

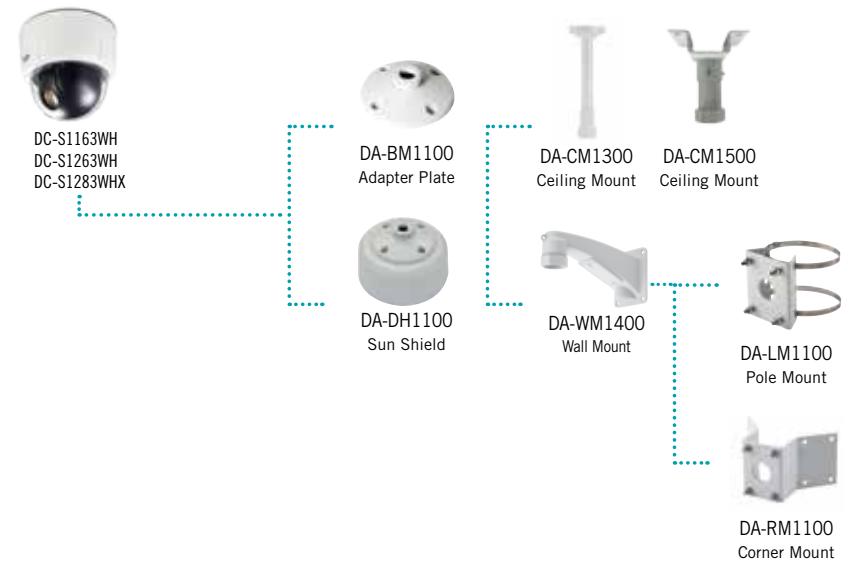
## BOX / ZOOM



## BULLET



## PTZ



# DOME



DC-D1111, DC-D1212R, DC-D2212R,  
DC-D2233, DC-D2233R, TC-D1212R,  
TC-D1222R



DA-WM2150  
Wall Mount

DC-D2233W, DC-D2233WR,  
DC-D2233WHR, TC-D1222WR,

DC-D1122, DC-D1122R,  
DC-D1123, DC-D1123R,  
DC-D1223, DC-D1223R,  
DC-D1323R



DA-AP2000  
Adapter Plate



DA-MA2000  
Mount Adapter



DA-CM2050  
Ceiling Mount



DA-WM2050  
Wall Mount



DA-LM2000  
Pole Mount



DA-RM2000  
Corner Mount



DA-FM1300  
Flush Mount

DC-D1122W, DC-D1122WR,  
DC-D1123W, DC-D1123WR,  
DC-D1123WHR, DC-D1223W,  
DC-D1223WR, DC-D1223WHR,  
DC-D1323WHR, DC-D1223WX,  
DC-D2233WHX, DC-D3233WRX,  
DC-Y1513, DC-Y1513W



DA-MA2100  
Mount Adapter



DA-CM2050  
Ceiling Mount



DA-WM2050  
Wall Mount



DA-LM2000  
Pole Mount



DA-RM2000  
Corner Mount



DA-JB2200  
Junction Box



DA-FM1300  
Flush Mount



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

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

<p><b>IDIS HQ</b></p> <p>IDIS Tower, 344 Pangyo-ro Bundang-gu, Seongnam-si Gyeonggi-do Republic of Korea</p> <p><b>T</b> +82 (0)31 723 5400 <b>F</b> +82 (0)31 723 5100 <b>E</b> sales@idisglobal.com</p>	<p><b>IDIS America</b></p> <p>801 Hammond St, Ste 200 Coppell, TX 75019 U.S.A.</p> <p><b>T</b> +1 469 444 6538 <b>F</b> +1 469 464 4449 <b>E</b> sales_americas@idisglobal.com</p>	<p><b>IDIS Europe</b></p> <p>1000 Great West Road Brentford, Middlesex TW8 9HH United Kingdom</p> <p><b>T</b> +44 (0)203 657 5678 <b>F</b> +44 (0)203 697 9360 <b>E</b> uksales@idisglobal.com</p>	<p><b>IDIS BeneLux</b></p> <p>De Slof 9 5107 RH Dongen The Netherlands</p> <p><b>T</b> +31 (0)162 387247 <b>F</b> +31 (0)162 311915 <b>E</b> sales@bnl.idisglobal.com</p>	<p><b>IDIS Middle East</b></p> <p>P.O. Box 341037 D-308, DSO HQ Bldg Dubai Silicon Oasis Dubai, UAE</p> <p><b>T</b> +971 4 501 5434 <b>F</b> +971 4 501 5436 <b>E</b> sales_mena@idisglobal.com</p>
---	--	--	---	---

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



**Sales**  
**E** uksales@idisglobal.com

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

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