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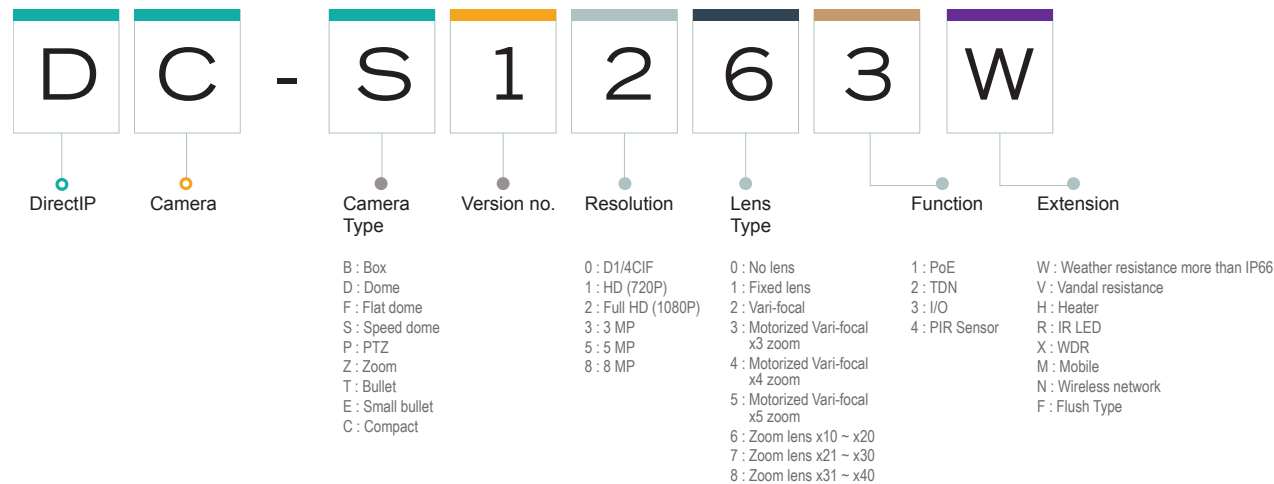


# IDIS NAMING STRUCTURE

## IDIS NVR






## IDIS CAMERA






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# NETWORK VIDEO RECORDERS

Model Name	DR-2100P Series			DR-2200P Series			DR-4100P Series		
	DR-2104P	DR-2108P	DR-2116P	DR-2204P <small>NEW</small>	DR-2208P <small>NEW</small>	DR-2216P <small>NEW</small>	DR-4108P	DR-4116P	DR-4132P
									
<b>VIDEO</b>									
Video Inputs	4 IP cameras	8 IP cameras	16 IP cameras	4 IP cameras	8 IP cameras	16 IP cameras	8 IP cameras	16 IP cameras	32 IP cameras
Max. Incoming Throughput	84Mbps	116Mbps	116Mbps	84Mbps	116Mbps	116Mbps	150Mbps	200Mbps	230Mbps
Support Camera	DirectIP™, AXIS, PANASONIC, ONVIF™			DirectIP™, AXIS, PANASONIC, ONVIF™			DirectIP™, AXIS, PANASONIC, ONVIF™		
Video Outputs	1 HDMI, 1 VGA out			1 HDMI, 1 VGA out			1 HDMI, 1 VGA OUT		
Display Resolution	1920x1200, 1920x1080, 1680x1050, 1600x1200			1920x1200, 1920x1080, 1680x1050, 1600x1200			1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200		
Display Speed	Up to 120ips	Up to 240ips	Up to 240ips	Up to 120ips	Up to 240ips	Up to 240ips	Up to 240ips	Up to 480ips	Up to 480ips
<b>RECORDING</b>									
Max. Throughput	32Mbps, 120ips@Full HD	64Mbps, 240ips@Full HD	64Mbps, 240ips@Full HD	32Mbps, 120ips@Full HD	64Mbps, 240ips@Full HD	64Mbps, 240ips@Full HD	80Mbps, 240ips@Full HD	130Mbps, 480ips@HD	160Mbps, 480ips@HD
Recording Resolution	Up to 3MP (Depending on IP Camera)			Up to 3MP (Depending on IP Camera)			Up to 3MP (Depending on IP Camera)		
Recording Mode	Time-Lapse, Event, Pre-Event, Panic			Time-Lapse, Event, Pre-Event, Panic			Time-Lapse, Event, Pre-Event, Panic		
<b>PLAYBACK</b>									
Performance	4ch HD synchronous Playback			4ch HD synchronous Playback			4ch Full HD synchronous playback		
Search Mode	Time-lapse, Event log, Motion, Text-in			Time-lapse, Event log, Motion, Text-in			Time-lapse, Event log, Motion, Text-in		
<b>STORAGE</b>									
HDD	SATA x2(Up to 4TB capacity for each disk)			SATA x2, eSATA x1.(Up to 4TB capacity for each disk)			SATA x4, eSATA x2 (Up to 4TB capacity for each disk)		
Total Capacity	8TB=4TB x 2			24TB=4TB x (2 +1x4)			48TB=4TB x (4(Internal) + 4x2(External))		
<b>NETWORK</b>									
Client Connection	Gigabit Ethernet (Client) x1			Gigabit Ethernet (Client) x1			Gigabit Ethernet(Client) x1		
Video in Connection	Fast Ethernet(IP Camera) x4	Fast Ethernet(IP Camera) x8 +Gigabit Ethernet(Ext) x1	Fast Ethernet(IP Camera) x8 +Gigabit Ethernet(Ext) x1	Fast Ethernet(IP Camera) x4	Fast Ethernet(IP Camera) x8 +Gigabit Ethernet(Ext) x1	Fast Ethernet(IP Camera) x8 +Gigabit Ethernet(Ext) x1	Gigabit Ethernet(IP Camera) x9		
Transmission Speed	20Mbps			20Mbps			20Mbps		
Camera Power	PoE(IEEE 802.3at supported) 4 ports, 50W	PoE(IEEE 802.3at supported) 8 ports, 50W	PoE(IEEE 802.3at supported) 8 ports, 50W	PoE(IEEE 802.3at supported) 4 ports, 50W	PoE(IEEE 802.3at supported) 8 ports, 50W	PoE(IEEE 802.3at supported) 8 ports, 50W	PoE(IEEE 802.3at supported) 8 ports, 120W		
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web			IDIS Center, IDIS Mobile, IDIS Web			IDIS Center, IDIS Mobile, IDIS Web		
<b>INTERFACE</b>									
Audio In / Out	Local(NVR) : - / 1RCA + 1HDMI IP Camera : 4 / 4	Local(NVR) : - / 1RCA + 1HDMI IP Camera : 8 / 8	Local(NVR) : - / 1RCA + 1HDMI IP Camera : 16 / 16	Local(NVR) : - / 1RCA + 1HDMI IP Camera : 4 / 4	Local(NVR) : - / 1RCA + 1HDMI IP Camera : 8 / 8	Local(NVR) : - / 1RCA + 1HDMI IP Camera : 16 / 16	Local(NVR) : 1 RCA / 1RCA + 1HDMI IP Camera : 8 / 8	Local(NVR) : 1 RCA / 1RCA + 1HDMI IP Camera : 16 / 16	Local(NVR) : 1 RCA / 1RCA + 1HDMI IP Camera : 32 / 32
Alarm In / Out	Local(NVR) : 4 / 1 IP Camera : 4 / 4	Local(NVR) : 4 / 1 IP Camera : 8 / 8	Local(NVR) : 4 / 1 IP Camera : 16 / 16	Local(NVR) : 4 / 1 IP Camera : 4 / 4	Local(NVR) : 4 / 1 IP Camera : 8 / 8	Local(NVR) : 4 / 1 IP Camera : 16 / 16	Local(NVR) : 4 / 1 IP Camera : 8 / 8	Local(NVR) : 4 / 1 IP Camera : 16 / 16	Local(NVR) : 4 / 1 IP Camera : 32 / 32
Alarm Reset In	-			-			1		
Serial Interface	RS232 (Terminal Block), USB 2.0 x 2			RS232 (Terminal Block), USB2.0 x 1, USB 3.0 x 1			RS232 (Terminal Block), RS485 (Terminal Block), USB 2.0 x 2		
<b>GENERAL</b>									
Operating System	Embedded Linux			Embedded Linux			Embedded Linux		
Power Input	DC 12V 2.0A (for NVR), DC48V 1.0A (for PSE)			DC 12V 2.0A (for NVR), DC48V 1.0A (for PSE)			AC 100-240 V, 50/60Hz, 3.0 ~ 1.5A		
Power Consumption	Max. 24W (for NVR), Max. 48W (for PSE)			Max. 24W (for NVR), Max. 48W (for PSE)			Max. 200W (with 4 HDDs)		
Approvals	FCC, CE, KC			FCC, CE, KC			FCC, UL, CE, CB, KC		










# NETWORK VIDEO RECORDERS

Model Name	DR-4200P Series		DR-6100P Series			DR-6200P Series				
	DR-4208P <small>NEW</small>	DR-4216P <small>NEW</small>	DR-6108P	DR-6116P	DR-6132P	DR-6216P <small>NEW</small>	DR-6232P <small>NEW</small>	DR-6216PS <small>NEW</small>	DR-6232PS <small>NEW</small>	
										
<b>VIDEO</b>										
<b>Video Inputs</b>	8 IP cameras		16 IP cameras		8 IP cameras		16 IP cameras		32 IP cameras	
<b>Max. Incoming Throughput</b>	170Mbps		220Mbps		150Mbps		230Mbps		300Mbps	
<b>Support Camera</b>	DirectIP™, AXIS, PANASONIC, ONVIF™		DirectIP™, AXIS, PANASONIC, ONVIF™			DirectIP™, AXIS, PANASONIC, ONVIF™				
<b>Video Outputs</b>	1 HDMI, 1 VGA out		1 HDMI, 1 VGA OUT			1 HDMI, 1 VGA OUT				
<b>Display Resolution</b>	1920x1200, 1920x1080, 1680x1050, 1600x1200		1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200			1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200				
<b>Display Speed</b>	Up to 240ips		Up to 480ips		Up to 240ips		Up to 480ips		Up to 480ips	
<b>RECORDING</b>										
<b>Max. Throughput</b>	80Mbps, 240ips@Full HD		130Mbps, 480ips@HD		80Mbps, 240ips@Full HD		160Mbps, 480ips@Full HD		230Mbps, 480ips@Full HD	
<b>Recording Resolution</b>	Up to 3MP (Depending on IP Camera)		Up to 3MP (Depending on IP Camera)			Up to 3MP (Depending on IP Camera)				
<b>Recording Mode</b>	Time-Lapse, Event, Pre-Event, Panic		Time-Lapse, Event, Pre-Event, Panic			Time-Lapse, Event, Pre-Event, Panic				
<b>PLAYBACK</b>										
<b>Performance</b>	4ch Full HD synchronous playback		4ch Full HD synchronous playback			4ch Full HD synchronous playback				
<b>Search Mode</b>	Time-lapse, Event log, Motion, Text-in		Time-lapse, Event log, Motion, Text-in			Time-lapse, Event log, Motion, Text-in				
<b>STORAGE</b>										
<b>HDD</b>	SATA x4, eSATA x2 (Up to 4TB capacity for each disk) RAID 1 supported		SATA x6, eSATA x4 (Up to 4TB capacity for each disk)			SATA x6, eSATA x4 (Up to 3TB capacity for each disk) RAID 1 supported				
<b>Total Capacity</b>	48TB=4TB x (4(Internal) + 4x2(External))		88TB=4TB x (6(Internal) + 4x4(External))			88TB=4TB x (6(Internal) + 4x4(External))				
<b>NETWORK</b>										
<b>Client Connection</b>	Gigabit Ethernet(Client) x1		Gigabit Ethernet(Client) x1			Gigabit Ethernet(Client) x1				
<b>Video in Connection</b>	Gigabit Ethernet(IP Camera) x9		Gigabit Ethernet(IP Camera) x9			Gigabit Ethernet(IP Camera) x9		Fast Ethernet(IP Camera) x16 +Gigabit Ethernet(Ext) x1		
<b>Transmission Speed</b>	40Mbps		20Mbps			40Mbps				
<b>Camera Power</b>	PoE(IEEE 802.3at supported) 8 ports, 120W		PoE(IEEE 802.3at supported) 8 ports, 120W			PoE(IEEE 802.3at supported) 8 ports, 120W		PoE(IEEE 802.3at supported) 16 ports, 120W		
<b>Client Viewer</b>	IDIS Center, IDIS Mobile, IDIS Web		IDIS Center, IDIS Mobile, IDIS Web			IDIS Center, IDIS Mobile, IDIS Web				
<b>INTERFACE</b>										
<b>Audio In / Out</b>	Local(NVR) : 1 RCA / 1RCA + 1HDMI IP Camera : 8 / 8		Local(NVR) : 1 RCA / 1RCA + 1HDMI IP Camera : 16 / 16		Local(NVR) : 1 RCA / 1RCA + 1HDMI IP Camera : 8 / 8		Local(NVR) : 1 RCA / 1RCA + 1HDMI IP Camera : 16 / 16		Local(NVR) : 1 RCA / 1RCA + 1HDMI IP Camera : 32 / 32	
<b>Alarm In / Out</b>	Local(NVR) : 4 / 1 IP Camera : 8 / 8		Local(NVR) : 4 / 1 IP Camera : 16 / 16		Local(NVR) : 4 / 1 IP Camera : 8 / 8		Local(NVR) : 4 / 1 IP Camera : 16 / 16		Local(NVR) : 4 / 1 IP Camera : 32 / 32	
<b>Alarm Reset In</b>	1		1			1				
<b>Serial Interface</b>	RS232 (Terminal Block), RS485 (Terminal Block), USB 2.0 x 2		RS232 (Terminal Block), RS485 (Terminal Block), USB 2.0 x 2			RS232 (Terminal Block), RS485 (Terminal Block), USB 2.0 x 2				
<b>GENERAL</b>										
<b>Operating System</b>	Embedded Linux		Embedded Linux			Embedded Linux				
<b>Power Input</b>	AC 100-240 V, 50/60Hz, 3.0 ~ 1.5A		AC 100-240 V, 50/60Hz, 3.0 ~ 1.5A			AC 100-240 V, 50/60Hz, 3.0 ~ 1.5A				
<b>Power Consumption</b>	Max. 200W (with 4 HDDs)		Max. 200W (with 6 HDDs)			Max. 200W (with 6 HDDs)				
<b>Approvals</b>	FCC, UL, CE, CB, KC		FCC, UL, CE, CB, KC			FCC, UL, CE, CB, KC				

# NETWORK CAMERAS

Model Name	BOX					DOME			
	DC-B1101	DC-B1103	DC-B1203	DC-B1203X <sup>NEW</sup>	DC-B1303	DC-D1111	DC-D1122(R)	DC-D1122W(R)	DC-D1123(R)
									
<b>Image Sensor</b>	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/3" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
<b>Max. Resolution</b>	1280 x 720	1280 x 720	1920 x 1080	1920 x 1080	2304 x 1296	1280 x 720	1280 x 720	1280 x 720	1280 x 720
<b>Lens</b>	Optional (C/CS Mount)	Optional (C/CS Mount)	Optional (C/CS Mount)	Optional (C/CS Mount)	Optional (C/CS Mount)	Fixed-focal (f = 4.3mm, F2.0)	Vari-focal (f= 2.8 - 10mm, F1.4 - 2.8)	Vari-focal (f= 2.8 - 10mm, F1.4 - 2.8)	Vari-focal (f= 2.8 - 10mm, F1.4 - 2.8)
<b>IRIS Control</b>	DC Auto Iris / Manual IRIS	DC Auto Iris / Manual Iris	DC Auto Iris / Manual Iris	DC Auto Iris / Manual Iris	DC Auto Iris / Manual Iris	Fixed IRIS	DC Auto Iris	DC Auto Iris	DC Auto Iris
<b>Angular Field of View</b>	-	-	-	-	-	88°(H) 48°(V) 100°(D)	Wide : 105.5°(H) 55.4°(V) 125.3°(D) Tele : 35.3°(H) 19.7°(V) 40.4°(D)	Wide : 105.5°(H) 55.4°(V) 125.3°(D) Tele : 35.3°(H) 19.7°(V) 40.4°(D)	Wide : 105.5°(H) 55.4°(V) 125.3°(D) Tele : 35.3°(H) 19.7°(V) 40.4°(D)
<b>Pan / Tilt / Rotate Range</b>	-	-	-	-	-	Pan: -167° ~ 167° Tilt: 0° ~ 75° Rotate: -176° ~ 176°	Pan: -167° ~ 167° Tilt: 0° ~ 75° (0°~80° : DC-D1122R) Rotate: -176° ~ 176°	Pan: -167° ~ 167° Tilt: 0° ~ 75° (0°~80° : DC-D1122WR) Rotate: -176° ~ 176°	Pan: -167° ~ 167° Tilt: 0° ~ 75° (0°~80° : DC-D1123R) Rotate: -176° ~ 176°
<b>Min. Illumination</b>	COLOR : 0.7 lux @ F1.3 B/W : 0.8 lux @ F1.3	COLOR : 0.08 lux @ F1.3 B/W : 0.08 lux @ F1.3	COLOR : 0.08 lux @ F1.3 B/W : 0.08 lux @ F1.3	COLOR : 0.01 lux @ F1.2 B/W : 0.002 lux @ F1.2	COLOR : 0.4 lux @ F1.4 B/W : 0.01 lux @ F1.4	COLOR : 0.019lux @ F2.0 B/W : 0.015 lux @ F2.0	COLOR : 0.6 lux @ F1.5 B/W : 0.006 lux @ F1.5 B/W : 0 lux (DC-D1122R)	COLOR : 0.6 lux @ F1.5 B/W : 0.006 lux @ F1.5 B/W : 0 lux (DC-D1122WR)	COLOR : 0.5 lux @ F1.4 B/W : 0.5 lux @ F1.4 B/W : 0 lux (DC-D1123R)
<b>Dynamic Range</b>	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	108dB (True-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)
<b>True Day &amp; Night</b>	-	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	-	Yes (ICR)	Yes (ICR)	Yes (ICR)
<b>IR Distance (LEDs)</b>	-	-	-	-	-	-	20 m / 18 ea (DC-D1122R)	20 m / 18 ea (DC-D1122WR)	20 m / 18 ea (DC-D1123R)
<b>Video Quality Compensation</b>	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC
<b>Image Stabilizer</b>	-	-	-	Yes	-	-	-	-	-
<b>Video Out</b>	1 RCA	1 RCA	1 RCA	1 RCA	1 RCA	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	H.264(MP), M-JPEG	H.264(MP), M-JPEG
<b>Max. Frame Rate</b>	30fps : 1280 x 720	30fps : 1280 x 720	30fps : 1920 x 1080	30fps : 1920 x 1080	15fps : 2304 x 1296 30fps : 1920 x 1080	30fps : 1280 x 720	30fps : 1280 x 720	30fps : 1280 x 720	30fps : 1280 x 720
<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>Security</b>	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption
<b>Memory Slot</b>	-	Micro SD (SDHC)	Micro SD (SDHC)	Micro SD (SDHC)	Micro SD (SDHC)	-	-	-	Micro SD (SDHC)
<b>Trigger Event</b>	Motion Detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Tampering TripZone	Motion Detection Tampering TripZone	Motion Detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone
<b>Audio In / Out</b>	-	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)	-	-	-	1 (Line-in) / 1 (Line-out)
<b>Alarm In / Out</b>	-	1 / 1	1 / 1	1 / 1	1 / 1	-	-	-	1 / 1
<b>Vandal-proof Casing</b>	-	-	-	-	-	-	-	Yes	-
<b>Out-door Ready</b>	-	-	-	-	-	-	-	IP66	-
<b>Operating Temperature</b>	0 ~ 50°C	0 ~ 50°C	0 ~ 50°C	0 ~ 50°C	0 ~ 50°C	-10 ~ 50°C	-10 ~ 50°C	-10 ~ 50°C	-10 ~ 50°C
<b>Power Source</b>	12VDC, PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 2)
<b>Power Consumption</b>	4.8W	4.8W	4.8W	5.5W	4.8W	4.8W	4.8W / 5.6W (R)	4.8W / 5.6W (R)	4.8W / 5.6W (R)

# NETWORK CAMERAS







Model Name	DOME									
	DC-D1123W(R)	DC-D1212R	DC-D1223(R)	DC-D1223W(R)	DC-D1223WHR	DC-D1223WX <sup>NEW</sup>	DC-D1323R	DC-D1323WHR	DC-D2233(R) <sup>NEW</sup>	
										
<b>Image Sensor</b>	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/3" CMOS	1/3" CMOS	1/2.8" CMOS	
<b>Max. Resolution</b>	1280 x 720	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	2304 x 1296	2304 x 1296	1920 x 1080	
<b>Lens</b>	Vari-focal (f= 2.8 - 10mm, F1.4 - 2.8)	Fixed-focal (f = 4.3mm, F2.0)	Vari-focal (f= 3 - 9mm, F1.2 - 2.3)	Vari-focal (f= 3 - 9mm, F1.2 - 2.3)	Vari-focal (f= 3 - 9mm, F1.2 - 2.3)	Vari-focal (f= 3 - 9mm, F1.2 - 2.3)	Vari-focal (f= 3 - 9mm, F1.2 - 2.3)	Vari-focal (f= 3 - 9mm, F1.2 - 2.3)	Motorized Vari-focal (f= 3.3 - 10mm, F1.2 - 2.5)	
<b>IRIS Control</b>	DC Auto Iris	Fixed Iris	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 : 105.5°(H) 55.4°(V) 125.3°(D) Tele : 35.3°(H) 19.7°(V) 40.4°(D)	88°(H) 49°(V) 100°(D)	Wide : 123°(H) 64°(V) 131°(D) Tele : 37°(H) 20°(V) 43°(D)	Wide : 123°(H) 64°(V) 131°(D) Tele : 37°(H) 20°(V) 43°(D)	Wide : 123°(H) 64°(V) 131°(D) Tele : 37°(H) 20°(V) 43°(D)	Wide : 111.88°(H) 59.74°(V) 133.18°(D) Tele : 37.76°(H) 21.33°(V) 57.13°(D)	Wide : 107°(H) 57°(V) 127°(D) Tele : 34°(H) 19°(V) 40°(D)	Wide : 99.8°(H) 52.2°(V) 118.2°(D) Tele : 33.5°(H) 18.6°(V) 38.3°(D)		
<b>Pan / Tilt / Rotate Range</b>	Pan: -167° ~ 167° Tilt: 0° ~ 75° (0°~80° :DC-D1123WR) Rotate: -176° ~ 176°	Pan: -167° ~ 167° Tilt: 0° ~ 75° Rotate: -176° ~ 176°	Pan: -167° ~ 167° Tilt: 0° ~ 70° (0°~80° :DC-D1223R) Rotate: -176° ~ 176°	Pan: -167° ~ 167° Tilt: 0° ~ 70° (0°~80° :DC-D1223WR) Rotate: -176° ~ 176°	Pan: -167° ~ 167° Tilt: 0° ~ 80° 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°	Pan: -167° ~ 167° Tilt: 0° ~ 80° Rotate: -176° ~ 176°	Pan: -175° ~ 175° Tilt: 0° ~ 90° Rotate: -176° ~ 176°
<b>Min. Illumination</b>	COLOR : 0.5 lux @ F1.4 B/W : 0.5 lux @ F1.4 B/W : 0 lux (DC-D1123WR)	COLOR : 1.35 lux @ F2.0 B/W : 0 lux	COLOR : 0.3 lux @ F1.2 B/W : 0.002 lux @ F1.2 B/W : 0 lux (DC-D1223R)	COLOR : 0.3 lux @ F1.2 B/W : 0.002 lux @ F1.2 B/W : 0 lux (DC-D1223WR)	COLOR : 0.3 lux @ F1.2 B/W : 0 lux	COLOR : 0.01 lux @ F1.2 B/W : 0.004 lux @ F1.2	COLOR : 0.6 lux @ F1.2 B/W : 0.01 lux @ F1.2	COLOR : 0.6 lux @ F1.2 B/W : 0.01 lux @ F1.2	COLOR : 0.3 lux @ F1.3 B/W : 0.002 lux @ F1.3 B/W : 0 lux (DC-D2233R)	
<b>Dynamic Range</b>	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	108dB (True-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	
<b>True Day &amp; Night</b>	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	
<b>IR Distance (LEDs)</b>	20 m / 18 ea (DC-D1123WR)	10 m (16 ea)	20 m / 18 ea (DC-D1223R)	20 m / 18 ea (DC-D1223WR)	20 m (18 ea)	-	20 m (18 ea)	20 m (18 ea)	20 m (28ea) (DC-D2233R)	
<b>Video Quality Compensation</b>	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	
<b>Image Stabilizer</b>	-	-	-	-	-	Yes	-	-	-	
<b>Video Out</b>	1 Terminal Block	1 Terminal Block	1 Terminal Block	1 Terminal Block	1 Terminal Block	1 Terminal Block	1 Terminal Block	1 Terminal Block	1 BNC	
<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	H.264(MP), M-JPEG	H.264(MP), M-JPEG	
<b>Max. Frame Rate</b>	30fps : 1280 x 720	30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1920 x 1080	15fps : 2304 x 1296 30fps : 1920 x 1080	15fps : 2304 x 1296 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	G.726, G.711	G.726, G.711	G.726, G.711	
<b>Security</b>	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	
<b>Memory Slot</b>	Micro SD (SDHC)	-	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 TripZone	Motion Detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	
<b>Audio In / Out</b>	1 (Line-in) / 1 (Line-out)	-	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)	
<b>Alarm In / Out</b>	1 / 1	-	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	
<b>Vandal-proof Casing</b>	Yes	-	-	Yes	Yes	Yes	-	Yes	-	
<b>Out-door Ready</b>	IP66	-	-	IP66	IP66, Heater	IP66	-	IP66, Heater	-	
<b>Operating Temperature</b>	-10 ~ 50°C	-10 ~ 50°C	-10 ~ 50°C	-10 ~ 50°C	-20°C ~ 50°C (Heater on DC 12V input only)	-10 ~ 50°C	-10 ~ 50°C	-20°C ~ 50°C (Heater on DC 12V input only)	-10 ~ 50°C	
<b>Power Source</b>	12VDC, PoE(IEEE802.3af class 2)	PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 2)	12VDC, PoE(IEEE802.3af class 3)	
<b>Power Consumption</b>	4.8W / 5.6W (R)	5.6W	4.8W / 5.6W (R)	4.8W / 5.6W (R)	19.2W (Heater on DC 12V input)	6.0W	4.8W	19.2W (Heater on DC 12V input)	3.5W / 4.8W (R)	

# NETWORK CAMERAS













Model Name	DOME					BULLET			
	DC-D2233W(R) <small>NEW</small>	DC-D2233WHR <small>NEW</small>	DC-D1223F(R)	DC-F1111	DC-F1211	DC-T1232WR	DC-T1233WHR	DC-T1234WR	DC-E1112WR
<b>Image Sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/4" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.7" CMOS
<b>Max. Resolution</b>	1920 x 1080	1920 x 1080	1920 x 1080	1280 x 720	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1280 x 720
<b>Lens</b>	Motorized Vari-focal (f= 3.3 - 10mm, F1.2 - 2.5)	Motorized Vari-focal (f= 3.3 - 10mm, F1.2 - 2.5)	Vari-focal (f= 3 - 9mm, F1.2 - 2.3)	Fixed-focal (f=2.8mm, F2.0)	Fixed-focal (f=4.0mm, F2.0)	Motorized Focus Zoom Lens (f=3.3 - 10mm, F1.3 ~ 2.8)	Motorized Focus Zoom Lens (f=3.3 - 10mm, F1.3 ~ 2.8)	Motorized Focus Zoom Lens (f=3.3 - 10mm, F1.3 ~ 2.8)	Fixed-focal (f=4.00mm F2.0)
<b>IRIS Control</b>	DC Auto Iris	DC Auto Iris	DC Auto Iris	Fixed IRIS	Fixed IRIS	DC Auto Iris	DC Auto Iris	DC Auto Iris	Fixed 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 : 123°(H) 64°(V) 131°(D) Tele : 37°(H) 20°(V) 43°(D)	81.4°(H) 45.2°(V) 94.7°(D)	106.3°(H) 61.9°(V) 125.3°(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)	90.6°(H) 47.5°(V) 106.26°(D)
<b>Pan / Tilt / Rotate Range</b>	Pan: -175° ~ 175° Tilt: 0° ~ 90° Rotate: -176° ~ 176°	Pan: -175° ~ 175° Tilt: 0° ~ 90° Rotate: -176° ~ 176°	Pan: -167° ~ 167° Tilt: 0°~70° (0°~80°: DC-D1223FR) Rotate: -176° ~ 176°	Pan: -60° ~ 60° Tilt: 0° ~ 80° Rotate: -176° ~ 176°	Pan: -60° ~ 60° Tilt: 0° ~ 80° Rotate: -176° ~ 176°	-	-	-	-
<b>Min. Illumination</b>	COLOR : 0.3 lux @ F1.3 B/W : 0.002 lux @ F1.3 B/W : 0 lux (DC-D2233WR)	COLOR : 0.3 lux @ F1.3 B/W : 0 lux	COLOR : 0.3 lux @ F1.2 B/W : 0.002 lux @ F1.2 B/W : 0 lux (DC-D1223FR)	COLOR : 0.4 lux @ F2.0 B/W : 0.2 lux @ F2.0	COLOR : 0.8 lux @ F2.0 B/W : 0.5 lux @ F2.0	COLOR : 0.1 lux @ F1.2 B/W : 0 lux	COLOR : 0.1 lux @ F1.2 B/W : 0 lux	COLOR : 0.1 lux @ F1.2 B/W : 0 lux	COLOR : 0.8 lux @ F2.0 B/W : 0 lux
<b>Dynamic Range</b>	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)
<b>True Day &amp; Night</b>	Yes (ICR)	Yes (ICR)	Yes (ICR)	-	-	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
<b>IR Distance (LEDs)</b>	20m (28ea) (DC-D2233WR)	20m (28ea)	20m (18 ea) (DC-D1223FR)	-	-	30m (42ea)	30m (42ea)	30m (24ea)	10m (24ea)
<b>Video Quality Compensation</b>	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC	Auto Expose Auto White Balance DNR BLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC
<b>Image Stabilizer</b>	-	-	-	-	-	-	-	-	-
<b>Video Out</b>	1 BNC	1 BNC	1 Terminal Block	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.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 : 1280 x 720	30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1280 x 720
<b>Audio Compression</b>	G.726, G.711	G.726, G.711	G.726, G.711	-	-	-	G.726, G.711	-	-
<b>Security</b>	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption
<b>Memory Slot</b>	Micro SD (SDHC)	Micro SD (SDHC)	Micro SD (SDHC)	-	-	-	-	-	-
<b>Trigger Event</b>	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Tampering TripZone	Motion Detection Tampering TripZone	Motion Detection Tampering TripZone	Motion Detection Audio detection Tampering TripZone	Motion Detection Tampering TripZone	Motion Detection Tampering TripZone
<b>Audio In / Out</b>	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)	-	-	-	1 (Line-in) / 1 (Line-out)	-	-
<b>Alarm In / Out</b>	1 / 1	1 / 1	1 / 1	-	-	-	1/1	0 / 1	-
<b>Vandal-proof Casing</b>	Yes	Yes	-	-	-	Yes	Yes	Yes	Yes
<b>Out-door Ready</b>	IP66	IP66, Heater	-	-	-	IP66	IP66, Heater	IP66	IP66
<b>Operating Temperature</b>	-10 ~ 50°C	-20°C ~ 50°C (Heater on DC 12V input only)	-10 ~ 50°C	-10 ~ 50°C	-10 ~ 50°C	0 ~ 50°C	-20°C ~ 50°C (Heater on DC 12V input only)	0 ~ 50°C	0 ~ 50°C
<b>Power Source</b>	12VDC, PoE (IEEE802.3af class 3)	12VDC, PoE (IEEE802.3af class 3)	12VDC, PoE (IEEE802.3af class 2)	PoE(IEEE802.3af class 1)	PoE(IEEE802.3af class 1)	12VDC PoE(IEEE802.3af class 3)	12VDC, PoE (IEEE802.3af class 3)	12VDC, PoE (IEEE802.3af class 3)	PoE(IEEE802.3af class 2)
<b>Power Consumption</b>	3.5W / 4.8W (R)	14.4W (Heater on DC12V input)	4.8W / 5.6W (R)	3.0W	3.0W	9.24W	17.4W (Heater on DC12V input)	8.64W	6.4W



# NETWORK CAMERAS


Model Name	BULLET	SPEED DOME			ZOOM	
	DC-E1212WR	DC-S1163WH	DC-S1263WH	DC-S1263F	DC-Z1163	DC-Z1263
						
Image Sensor	1/2.7" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1280 x 720	1920 x 1080	1920 x 1080	1280 x 720	1920 x 1080
Lens	Fixed-focal (f=4.0mm F2.0)	AF Zoom Lens x18 (f=4.7 - 84.6mm, F1.6~2.8)	AF Zoom Lens x18 (f=4.7 - 84.6mm, F1.6~2.8)	AF Zoom Lens x18 (f=4.7 - 84.6mm, F1.6~2.8)	AF Zoom Lens x18 (f=4.7 - 84.6mm, F1.6~2.8)	AF Zoom Lens x18 (f=4.7 - 84.6mm, F1.6~2.8)
IRIS Control	Fixed IRIS	DC Auto Iris	DC Auto Iris	DC Auto Iris	DC Auto Iris	DC Auto Iris
Angular Field of View	90.6°(H) 47.57°(V) 106.26°(D)	Wide : 58.6°(H) 33.5°(V) 64.9°(D) Tele : 4.1°(H) 2.4°(V) 4.7°(D)	Wide : 58.6°(H) 33.5°(V) 64.9°(D) Tele : 4.1°(H) 2.4°(V) 4.7°(D)	Wide : 58.6°(H) 33.5°(V) 64.9°(D) Tele : 4.1°(H) 2.4°(V) 4.7°(D)	Wide : 58.6°(H) 33.5°(V) 64.9°(D) Tele : 4.1°(H) 2.4°(V) 4.7°(D)	Wide : 58.6°(H) 33.5°(V) 64.9°(D) Tele : 4.1°(H) 2.4°(V) 4.7°(D)
Pan / Tilt / Rotate Range	-	Pan: 360° (Endless) Tilt: -10° ~ 190°	Pan: 360° (Endless) Tilt: -10° ~ 190°	Pan: 360° (Endless) Tilt: -10° ~ 190°	-	-
Min. Illumination	COLOR : 0.8 lux @ F2.0 B/W : 0 lux	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 : 0.05 lux @ F1.6 B/W : 0.003 lux @ F1.6	COLOR : 0.1 lux @ F1.6 B/W : 0.004 lux @ F1.6	COLOR : 0.1 lux @ F1.6 B/W : 0.004 lux @ F1.6
Dynamic Range	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)	90dB (D-WDR)
True Day & Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
IR Distance (LEDs)	10m (24ea)	-	-	-	-	-
Video Quality Compensation	Auto Expose Auto White Balance DNR BLC	Auto Expose Auto White Balance DNR BLC	Auto Expose Auto White Balance DNR BLC	Auto Expose Auto White Balance DNR BLC	Auto Expose Auto White Balance DNR BLC HSBLC	Auto Expose Auto White Balance DNR BLC HSBLC
Image Stabilizer	-	-	-	-	-	-
Video Out	1 BNC	1 Terminal Block	1 Terminal Block	1 Terminal Block	1 RCA	1 RCA
Video Compression	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
Max. Frame Rate	30fps : 1920 x 1080	30fps : 1280 x 720	30fps : 1920 x 1080	30fps : 1920 x 1080	30fps : 1280 x 720	30fps : 1920 x 1080
Audio Compression	-	G.726, G.711	G.726, G.711	G.726, G.711	G.726, G.711	G.726, G.711
Security	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption	Multi-user authority IEEE 802.1x IP filtering HTTPS SSL encryption
Memory Slot	-	Micro SD (SDHC)	Micro SD (SDHC)	Micro SD (SDHC)	SD (SDHC)	SD (SDHC)
Trigger Event	Motion Detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone	Motion Detection Alarm in Audio detection Tampering TripZone
Audio In / Out	-	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)	1 (Line-in) / 1 (Line-out)
Alarm In / Out	-	1/1	1/1	1/1	1/1	1/1
Vandal-proof Casing	Yes	Yes	Yes	-	-	-
Out-door Ready	IP66	IP66, Heater	IP66, Heater	-	-	-
Operating Temperature	0 ~ 50°C	-30 ~ 50°C	-30 ~ 50°C	-10 ~ 50°C	0 ~ 50°C	0 ~ 50°C
Power Source	PoE(IEEE802.3af class 2)	12VDC, 24VAC PoE(IEEE802.3at class 4)	12VDC, 24VAC PoE(IEEE802.3at class 4)	12VDC, 24VAC PoE(IEEE802.3at class 3)	12VDC, 24VAC PoE(IEEE802.3af class 0)	12VDC, 24VAC PoE(IEEE802.3af class 0)
Power Consumption	6.4W	27.5W (Heater on)	27.5W (Heater on)	8.5W	6W	6W

# NETWORK ACCESSORIES








	DirectIP PoE SWITCH		DirectIP Gigabit PoE SWITCH		Network Keyboard		
Model Name	DH-2010P 	DH-2018P 	DH-2112PF 	DH-2128PF 	NK-1100 		
Key feature	<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. 150W 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>	<ul style="list-style-type: none"> <li>Remote control of NVRs and network cameras via network connection</li> <li>Control of NVRs by using a usb mouse via network connection</li> </ul>		
Model Name	Single Port PoE Injector DA-PI1101 	Single Port PoE Repeater DA-PR1101 	Ethernet over Coax Transceiver DA-EC1101R/T 	UTP Exchanger for EoC Transceiver DA-BE1101 	Gigabit Fiber Optic Media Converter DA-MC1101 	SFP Module FTLF8519P3BNL 	FTLF1318P3BTL 
Key feature	<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 BASE-T lan environment</li> </ul>	<ul style="list-style-type: none"> <li>Compatible with IEEE 802.3af</li> <li>Up to 490m of total distance with 3 repeaters</li> <li>PoE switch off function via PoE on/off switch</li> </ul>	<ul style="list-style-type: none"> <li>Compatible with IEEE 802.3af, IEEE 802.3at</li> <li>Makes it possible to install Full-HD network cameras using existing coaxial cable</li> </ul>	<ul style="list-style-type: none"> <li>Covert coaxial cable to UTP cable connecting to DA-EC1101R/T</li> <li>Support Data transfer up to 800m distance extension of DA-EC1101R/T</li> </ul>	<ul style="list-style-type: none"> <li>DIP 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>	<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>	<ul style="list-style-type: none"> <li>Up to 10 km on 9/125µm SMF</li> <li>Up to 1.25Gb/s bi-directional data links</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 : 720x480 / 720x576 (NTSC/PAL) 960H : 960x480 / 960x576 (NTSC/PAL)	D1 : 720x480 / 720x576 (NTSC/PAL) 960H : 960x480 / 960x576 (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 Supported	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

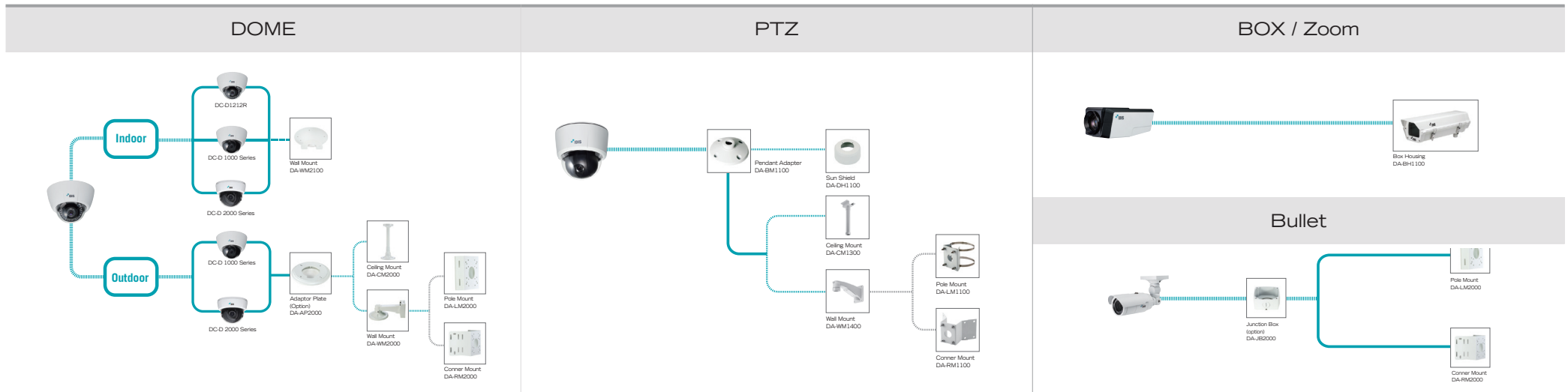
	DECODER
Model Name	DD-1116 
Video Compression	H.264
Video Input	16ch IP
Supported Devices	DirectIP NVR
Video Outputs	1 HDMI, 1 VGA, 1 CVBS
Display Resolution	HDMI, VGA : 1920x1200, 1920x1080, 1680x1050, 1600x1200 CVBS : 640x480
Display speed	Up to 480ips
Max. network throughput	48Mbps
Network Connection	Gigabit Ethernet x1
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. network throughput	16TB (Up to 4TB per bay)
Dimensions (W x H x D)	480mm x 44mm x 346mm
Weight	6.4kg
Operation Temperature	5°C ~ 45°C
Power Input	100V ~ 240VAC, 0.6-0.3A, 50/60Hz
Power Consumption	Max. 40W
Approvals	FCC,CE

# NETWORK SOFTWARE

IDIS CLIENT		IDIS SOLUTION SUITE		
 <p><b>IDIS CENTER</b></p> <p>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 of devices</p>	 <p><b>EXPERT</b></p> <p>IDIS Solution Suite Expert is a software that manages multiple NVRs and IP Cameras for large scale applications</p>			
		<p>Backup Service</p>  <p>The backup service controls backup of recorded video saved in the recording servers or NVRs and playback of backed-up video saved in the backup server</p>	<p>Federation Service</p>  <p>The federation service allows you to manage multiple IDIS Solution Suite Expert Software for larger scale applications such as a nation wide surveillance</p>	<p>Video Wall Service</p>  <p>The video wall service allows you to control monitoring on multiple monitors with network keyboards for centralised monitoring in a surveillance center</p>
 <p><b>IDIS MOBILE</b></p> <p>You can access a remote NVR, monitor live video images and search recorded video using iPhone, iPad, Android phone and Android tablet PC anytime from virtually anywhere</p>				
 <p><b>IDIS WEB</b></p> <p>You can access a remote NVR, monitor live images and search recorded video on your I.E. browser</p>				

# IP CAMERA ACCESSORIES CAMERA MOUNT CONFIGURATION TREE





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