

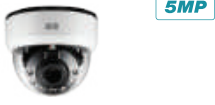














# DOME CAMERAS

Model Name	Fixed-focal, Micro, 2MP	MFZ, 5MP		Fixed-focal, 5MP	
	DC-C4212RX	DC-D4533RX	DC-D4533HRX	DC-D4513RX (2.8mm / 4.0mm)	DC-D4513WRX (2.8mm / 4.0mm)
					
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	2592 x 1944	2592 x 1944	2592 x 1944	2592 x 1944
Lens Type	Fixed-focal	Motorized Vari-focal	Motorized Vari-focal	Fixed-focal	Fixed-focal
Focal Length	f = 2.8mm	f=3.0 - 13.5mm	f=3.0 - 13.5mm	f=2.8mm / 4.0mm	f=2.8mm / 4.0mm
Aperture	F2.0	F1.4 - 3.2	F1.4 - 3.2	F2.0(2.8mm) / 2.15(4.0mm)	F2.0(2.8mm) / 2.15(4.0mm)
Iris Control	Fixed Iris	DC Iris	DC Iris	Fixed Iris	Fixed Iris
Angular Field of View	113.74°(H), 61.5°(V), 134.5°(D)	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38°(D)	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38°(D)	104.8° (H) 76.9°(V) 130°(D) (f=2.8mm) 79.2° (H) 56.6°(V) 103°(D) (f=4.0mm)	104.8° (H) 76.9°(V) 130°(D) (f=2.8mm) 79.2° (H) 56.6°(V) 103°(D) (f=4.0mm)
Pan / Tilt Range	Pan: -170° ~ 170°, Tilt: 0° ~ 65°, Rotate: -90° ~ 90°	Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177°	Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177°	Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109°	Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109°
Min. Illumination	Color : 0.1 lux @ F2.0 B/W : 0 lux (IR LED On)	Color : 0.1 lux @ F1.4 B/W : 0 lux (IR LED On)	Color : 0.1 lux @ F1.4 B/W : 0 lux (IR LED On)	Color : 0.1 lux @ F2.0 B/W : 0 lux (IR LED On)	Color : 0.1 lux @ F2.0 B/W : 0 lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR cut filter with auto switch	IR cut filter with auto switch
IR Distance (LEDs)	15 m / 49.2ft (1 ea)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)	2.8mm : 30m / 98.4ft (4ea) 4.0mm : 20m / 65.6ft (2ea)	2.8mm : 30m / 98.4ft (4ea) 4.0mm : 30m / 98.4ft (4ea)
Image Stabilizer	-	Yes (DIS)	Yes (DIS)	Yes (DIS)	Yes (DIS)
De-fog	Yes	Yes	Yes	Yes	Yes
Video Out	-	-	-	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP) M-JPEG,	H.265, H.264 (MP) M-JPEG,
Intelligent Codec	Supported	Supported	Supported	Supported	Supported
Audio Compression	-	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips : 1920 x 1080 (WDR)	4:3 mode : 30ips : 2592 x 1944(WDR) 16:9 mode : 30ips : 2592 x 1456(WDR)	4:3 mode : 30ips : 2592 x 1944(WDR) 16:9 mode : 30ips : 2592 x 1456(WDR)	4:3 mode : 30ips : 2592 x 1944(WDR) 16:9 mode : 30ips : 2592 x 1456(WDR)	4:3 mode : 30ips : 2592 x 1944(WDR) 16:9 mode : 30ips : 2592 x 1456(WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSec)	Yes (Up to 10MB)	Yes (Up to 100MB)	Yes (Up to 100MB)	Yes (Up to 100MB)	Yes (Up to 100MB)
Edge Storage	-	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)
Trigger Event	Motion Detection Audio Detection Tampering Trip Zone	Motion Detection Audio Detection Alarm In Tampering Trip Zone	Motion Detection Audio Detection Alarm In Tampering Trip Zone	Motion Detection Audio Detection Alarm In Tampering Trip Zone	Motion Detection Audio Detection Alarm In Tampering Trip Zone
Audio In / Out	-	Line-in 1(Built In MIC)+1 / Line-out 1	Line-in 1ea / Line-out 1ea	Line-in 1ea (Built In MIC) + 1 / Line-out 1ea	Line-in 1ea / Line-out 1ea
Alarm In / Out	-	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Proof Casing	-	-	IK10	-	IK10
Outdoor Ready	-	-	IP67, Heater	-	IP67
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	Ø86mm x 58mm (Ø3.39" x 2.28")	Ø122mm x 103.4mm (Ø4.8" x 4.07")	Ø155 x 105mm (Ø6.1" x 4.13")	Ø110mm x 88mm	Ø110mm x 88mm
Weight	105g (0.23lb)	0.35kg(0.77lb)	1.01 kg(2.22lb)	0.25kg (0.55lb)	0.25kg (0.55lb)
Power Source	PoE IEEE 802.3af (Class 1)	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)
Power Consumption	PoE, IEEE 802.3af (Class 1), 3.3W	12V=, 0.7A, 8.4W PoE, IEEE 802.3af (Class 3), 8.2W	12V=, 1.03A, 12.36W PoE, IEEE 802.3af(Class 3), 11.1W	PoE, IEEE 802.3af (Class 2), 6.2W	PoE, IEEE 802.3af (Class 2), 6.2W

# DOME CAMERAS

Model Name	MFZ, 2MP			Vari-focal, 2MP	
	DC-D4233RX	DC-D4233WRX	DC-D4233HRX	DC-D4223RX	DC-D4223WRX
	 	 	 	 	 
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal	Manual Vari-focal	Manual Vari-focal
Focal Length	f = 2.8 - 12mm	f = 2.8 - 12mm	f = 2.8 - 12mm	f = 2.8 - 12mm	f = 2.8 - 12mm
Aperture	F 1.4(W) - F2.8(T)	F 1.4(W) - F2.8(T)	F 1.4(W) - F2.8(T)	F 1.4(W) - F2.8(T)	F 1.4(W) - F2.8(T)
Iris Control	DC Iris	DC Iris	DC Iris	DC Iris	DC Iris
Angular Field of View	Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D)	Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D)	Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D)	Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D)	Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D)
Pan / Tilt Range	Pan: -175° ~ 175°, Tilt: 0° ~ 67°, Rotate: -177° ~ 177°	Pan: -175° ~ 175°, Tilt: 0° ~ 67°, Rotate: -177° ~ 177°	Pan: -175° ~ 175°, Tilt: 0° ~ 67°, Rotate: -177° ~ 177°	Pan: -175° ~ 175°, Tilt: 0° ~ 67°, Rotate: -177° ~ 177°	Pan: -175° ~ 175°, Tilt: 0° ~ 67°, Rotate: -177° ~ 177°
Min. Illumination	Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On)
Dynamic Range	120dB	120dB	120dB	120dB	120dB
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)
Image Stabilizer	-	-	-	-	-
De-fog	Yes	Yes	Yes	Yes	Yes
Video Out	-	-	-	-	-
Video Compression	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported	Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSec)	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)
Trigger Event	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Alarm In Audio detection Tampering Trip Zone	Motion Detection Alarm in Audio detection Tampering Trip Zone
Audio In / Out	Line-in 1ea (Built In MIC) + 1 / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea (Built In MIC) + 1 / Line-out 1ea	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Resistance	-	IK10	IK10	-	IK10
Outdoor Ready	-	IP67	IP67, Heater	-	IP67
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-20°C ~ +60°C (-4°F ~ +140°F) *Starting Up at Above 0°C (32°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	Ø122mm x 103.4mm (Ø4.8" x 4.07")	Ø155mm x 105mm (Ø6.1" x 4.13")	Ø155mm x 105mm (Ø6.1" x 4.13")	Ø122mm x 103.4mm (Ø4.8" x 4.07")	Ø155mm x 105mm (Ø6.1" x 4.13")
Weight	0.37kg (0.80lb)	1kg (2.20lb)	1.01 kg(2.22lb)	0.35kg (0.77lb)	0.99kg (2.18lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)	PoE (IEEE 802.3af Class 3), DC12V	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12V=, 1.05A, 12.6W PoE, IEEE 802.3af (Class 3), 11.5W	12V=, 1.05A, 12.6W PoE, IEEE 802.3af (Class 3), 11.5W	12V=, 1.05A, 12.6W PoE, IEEE 802.3af (Class 3), 11.5W	12V=, 0.57A, 6.84W PoE, IEEE 802.3af (Class 3), 7.0W	12V=, 0.57A, 6.84W PoE, IEEE 802.3af (Class 3), 7.0W

# DOME CAMERAS

Model Name	Fixed-focal, 2MP				
	DC-D4212R (2.8mm)	DC-D4212R (4.0mm)	DC-D4213RX (2.8mm)	DC-D4213RX (4.0mm)	DC-D4213WRX (2.8mm / 4.0mm)
					
Image Sensor	1/2.9" CMOS	1/2.9" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal
Focal Length	f = 2.8mm	f = 4.0mm	f = 2.8mm	f = 4.0mm	f = 2.8mm / 4.0mm
Aperture	F2.0	F2.15	F2.0	F2.15	F2.0 (f=2.8mm) / F2.15 (f=4.0mm)
Iris Control	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris
Angular Field of View	109.24°(H), 59.37°(V), 128.58°(D)	83°(H), 43°(V), 100.4°(D)	113.7°(H), 61.5°(V), 134.5°(D)	87°(H), 44°(V), 106°(D)	113.7°(H), 61.5°(V), 134.5°(D) (f=2.8mm) 87°(H), 44°(V), 106°(D) (f=4.0mm)
Pan / Tilt Range	Pan: -170° ~ 170°, Tilt: -5° ~ 67.5°, Rotate: -109° ~ 109°	Pan: -175° ~ 175°, Tilt: 0° ~ 70°, Rotate: -90° ~ 90°	Pan: -170° ~ 170°, Tilt: -5° ~ 67.5°, Rotate: -109° ~ 109°	Pan: -170° ~ 170°, Tilt: -5° ~ 67.5°, Rotate: -109° ~ 109°	Pan: -170° ~ 170°, Tilt: -5° ~ 67.5°, Rotate: -109° ~ 109°
Min. Illumination	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.15 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)
Dynamic Range	More than 70dB	More than 70dB	120dB	120dB	120dB
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	20m / 65.6ft (4ea)	20m / 65.6ft (2 ea)	30m / 98.4ft (4ea)	20m / 65.6ft (2ea)	30m / 98.4ft (4ea) (f=2.8mm) 30m / 98.4ft (4ea) (f=4.0mm)
Image Stabilizer	-	-	-	-	-
De-fog	Yes	Yes	Yes	Yes	Yes
Video Out	-	-	-	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported	Supported
Audio Compression	-	-	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips : 1920 x 1080	30ips : 1920 x 1080	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSec)	Yes (Up to 10MB)	Yes (Up to 10MB)	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)
Edge Storage	-	-	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)
Trigger Event	Motion Detection Tampering Trip Zone	Motion Detection Tampering Trip Zone	Motion Detection Alarm in Audio detection Tampering Trip Zone	Motion Detection Alarm in Audio detection Tampering Trip Zone	Motion Detection Alarm in Audio detection Tampering Trip Zone
Audio In / Out	-	-	Line-in 1ea (Built MIC) + 1 / Line-out 1ea	Line-in 1ea (Built MIC) + 1 / Line-out 1ea	Line-in 1ea / Line-out 1ea
Alarm In / Out	-	-	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Resistance	-	-	-	-	IK10
Outdoor Ready	-	-	-	-	IP67
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	Ø130mm x 81.4mm (Ø5.12" x 3.20")	Ø130mm x 74.3mm (Ø5.12" x 2.93")	Ø110mm x 88mm (Ø4.33" x 3.46")	Ø110mm x 88mm (Ø4.33" x 3.46")	Ø120mm x 92.9mm (Ø4.72" x 3.65")
Weight	0.23kg (0.50lb)	0.21kg (0.46lb)	0.25kg (0.55lb)	0.25kg (0.55lb)	0.46kg (1.01lb)
Power Source	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)
Power Consumption	PoE, IEEE 802.3af (Class 2), 4.6W	PoE, IEEE 802.3af (Class 2), 4.6W	PoE, IEEE 802.3af (Class 2), 4.8W	PoE, IEEE 802.3af (Class 2), 4.8W	PoE, IEEE 802.3af (Class 2), 4.8W