



BULLET CAMERAS

Model Name	MFZ, 5MP	Fixed-focal, 5MP	MFZ, 2MP	
	DC-T4533HRX	DC-E4513WRX (2.8mm / 4.0mm / 6.0mm)	DC-T4233WRX	DC-T4233HRX
	 5MP	 5MP	 full HD 2MP	 full HD 2MP
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	2592 x 1944	2592 x 1944	1920 x 1080	1920 x 1080
Lens Type	Motorized Vari-focal	Fixed-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 3.0-13.5mm	f = 2.8mm / 4.0mm / 6.0mm	f = 2.8 - 12mm	f = 2.8 - 12mm
Aperture	F1.4 - 3.2	F2.0(2.8mm) / F2.15(4.0mm) / F1.6(6.0mm)	F1.4-2.8	F1.4-2.8
Iris Control	DC Iris	Fixed Iris	DC Iris	DC Iris
Angular Field of View	Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38°(D)	104.8° (H) 76.9°(V) 130°(D) (f=2.8mm) 79.2° (H) 56.6°(V) 103°(D) (f=4.0mm) 49.9° (H) 37°(V) 63.6°(D) (f=6.0mm)	Wide : 98°(H) 51°(V) 116°(D) Tele : 33°(H) 19°(V) 38°(D)	Wide : 98°(H) 51°(V) 116°(D) Tele : 33°(H) 19°(V) 38°(D)
Min. Illumination	Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F2.0 / F2.15 / F1.6 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On)	Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	IR cut filter with auto switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	40m / 131.2 ft (6 ea)	30m / 98.4ft (4ea)	30m / 98.4ft (6ea)	30m / 98.4ft (6ea)
Image Stabilizer	Yes (DIS)	Yes (DIS)	-	-
De-Fog	Yes	Yes	Yes	Yes
Video Out	-	-	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	4:3 mode : 30ips : 2592 x 1944(WDR) 16:9 mode : 30ips : 2592 x 1456(WDR)	4:3 mode : 30ips : 2592 x 1944(WDR) 16:9 mode : 30ips : 2592 x 1456(WDR)	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)
Ethernet	Yes (Up to 100MB)	Yes (Up to 100MB)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSec)	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)	Yes (Up to 60MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover(Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover(Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)
Trigger Event	Motion Detection Alarm in Audio Detection Tampering Trip Zone	Motion Detection Alarm in Audio Detection Tampering Trip Zone	Motion Detection Alarm in Audio Detection Tampering Trip Zone	Motion Detection Alarm in Audio Detection Tampering Trip Zone
Audio In / Out	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Proof Casing	IK10	IK10	IK10	IK10
Outdoor Ready	IP67, Heater	IP67	IP67	IP67 / Heater
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)
Dimensions (W x H x D)	Ø77mm x 244.1mm (Ø3.03" x 9.61")	75mm x 70mm x 195.8mm (2.95" x 2.75" x 7.7")	Ø77mm x 244.1mm (Ø3.03" x 9.61")	Ø77mm x 244.1mm (Ø3.03" x 9.61")
Weight	0.84kg (1.85lb)	0.66kg (1.45lb)	0.84kg (1.85lb)	0.84kg (1.85lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 3)	PoE IEEE 802.3af (Class 2)	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12V=, 0.78A, 9.36W PoE, IEEE 802.3af (Class 3), 8W	PoE, IEEE 802.3af (Class 2), 6.1W	12V=, 1.21A, 14.52W PoE, IEEE 802.3af (Class 3), 11.1W	12V=, 1.21A, 14.52W PoE, IEEE 802.3af (Class 3), 11.1W



BULLET CAMERAS

Model Name	Fixed-focal, 2MP			
	DC-E4212WR 2.8mm	DC-E4212WR 4.0mm	DC-E4213WRX 2.8mm	DC-E4213WRX 4.0mm
	 	 	 	 
Image Sensor	1/2.9" CMOS	1/2.9" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal
Focal Length	f = 2.8mm	f = 4.0mm	f = 2.8mm	f = 4.0mm
Aperture	F2.0	F2.15	F2.0	F2.15
Iris Control	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris
Angular Field of View	109.24°(H), 59.37°(V), 128.58°(D)	83°(H), 43°(V), 100.4°(D)	113.74° (H) 61.5°(V) 134.45°(D)	87° (H) 44°(V) 106°(D)
Min. Illumination	Color : 0.4 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.28 Lux @ F2.15 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F2.15 B/W : 0 Lux (IR LED On)
Dynamic Range	More than 70dB	More than 70dB	120dB (True WDR)	120dB (True WDR)
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	20m / 65.6ft (2ea)	20m / 65.6ft (2ea)	30m / 98.4ft (4ea)	30m / 98.4ft (4ea)
Image Stabilizer	-	-	-	-
De-fog	Yes	Yes	Yes	Yes
Video Out	-	-	-	-
Video Compression	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG	H.265, H.264 (MP) M-JPEG
Intelligent Codec	Supported	Supported	Supported	Supported
Audio Compression	-	-	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips : 1920 x 1080	30ips : 1920 x 1080	30ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSec)	Yes (Up to 10MB)	Yes (Up to 10MB)	Yes (Up to 60MB)	Yes (Up to 60MB)
Edge Storage	-	-	micro SD / SDHC / SDXC, Smart Failover(Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)
Trigger Event	Motion Detection Tampering Trip Zone	Motion Detection Tampering Trip Zone	Motion Detection Alarm in Audio Detection Tampering Trip Zone	Motion Detection Alarm in Audio Detection Tampering Trip Zone
Audio In / Out	-	-	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea
Alarm In / Out	-	-	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Resistance	IK10	IK10	IK10	IK10
Outdoor Ready	IP66	IP66	IP67	IP67
Operating Temperature	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)	-20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D)	70mm x 65mm X 186.8mm (2.75" x 2.56" x 7.3")	70mm x 65mm X 186.8mm (2.75" x 2.56" x 7.3")	75mm x 70mm x 195.8mm (2.95" x 2.75" x 7.7")	75mm x 70mm x 197mm (2.95" x 2.75" x 7.75")
Weight	0.34Kg (0.74 lb)	0.34Kg (0.74 lb)	0.66kg (1.45lb)	0.66kg (1.45lb)
Power Source	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)	PoE IEEE 802.3af (Class 2)
Power Consumption	PoE, IEEE 802.3af (Class 2), 4.7W	PoE, IEEE 802.3af (Class 2), 4.7W	PoE, IEEE 802.3af (Class 2), 5.6W	PoE, IEEE 802.3af (Class 2), 5.6W

BULLET CAMERAS

Model Name	MFZ, 12MP	MFZ, 5MP	MFZ, 2MP
	DC-T3C33HRX	DC-T3533HRX	DC-T3233HRXL
	 12MP	 5MP	 full HD 2MP iris LightMaster
Image Sensor	1/1.7" CMOS	1/1.8" CMOS	1/1.9" CMOS
Max. Resolution	4000 x 3000	2592 x 1944	1920 x 1080
Lens Type	Motorized Vari-focal	Motorized Vari-focal	Motorized Vari-focal
Focal Length	f = 4.5 - 10mm	f = 3.6 - 10mm	f = 4.4 - 10mm
Aperture	F1.6 - 2.6	F1.8 - 2.8	F1.2 - 1.95
Iris Control	P-Iris	P-Iris	P-Iris
Angular Field of View	[8MP mode] Wide : 90.2°(H), 48.5°(V), 106.2°(D) Tele : 41.6°(H), 23.3°(V), 47.8°(D) [12MP mode] Wide : 94.6°(H), 68.5°(V), 125.2°(D) Tele : 43.4°(H), 32.4°(V), 54°(D)	Wide : 90° (H), 67° (V), 116° (D) Tele : 37° (H), 27° (V), 46° (D)	Wide : 91.5° (H), 48.4° (V), 109° (D) Tele : 43.4° (H), 24.2° (V), 49.9° (D)
Min. Illumination	Color : 0.2 Lux @ F1.6 B/W : 0 Lux (IR LED On)	Color : 0.2 Lux @ F1.8 B/W : 0 Lux (IR LED On)	Color : 0.01 Lux @ F1.2 B/W : 0 Lux (IR LED On)
Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Day and Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR Distance (LEDs)	50m / 164ft (4ea)	30m / 98.4ft (10ea)	30m / 98.4ft (10ea)
Image Stabilizer	-	-	-
De-Fog	Yes	Yes	Yes
Video Out	-	1 BNC	1 BNC
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported	Supported
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips : 3840 x 2160 (WDR) 15ips : 4000 x 3000 (WDR)	30ips : 2592 x 1944 15ips : 2592 x 1944 (WDR)	60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000 BASE-T)	RJ45 (10/100/1000 BASE-T)
Recording Session Buffer (NLTSec)	Yes (Up to 100MB)	Yes (Up to 100MB)	Yes (Up to 60MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)
Trigger Event	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Alarm In Audio Detection Tampering Trip Zone
Audio In / Out	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea	Input 1ea / Output 1ea	Input 1ea / Output 1ea
Vandal Proof Casing	IK10	IK10	IK10
Outdoor Ready	IP67, Heater	IP66, Heater	IP66, Heater
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F)	-40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F)
Dimensions (W x H x D)	132.8mm x 132.8mm x 372.9mm (5.23" x 5.23" x 14.68")	Ø73.5mm x 311.1mm (Ø2.9" x 12.25")	Ø73.5mm x 308.5mm (Ø2.9" x 12.15")
Weight	2.7kg (5.95lb)	1.27kg (2.80lb)	1.17kg (2.58lb)
Power Source	12VDC, PoE IEEE 802.3af (Class 4)	12VDC, PoE IEEE 802.3af (Class 3)	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12V =, 1.6A, 19.2W PoE, IEEE 802.3at (Class 4)	12V =, 0.95A, 11.4W PoE, IEEE 802.3af (Class 3)	12V =, 0.8A, 9.6W PoE, IEEE 802.3af (Class 3)

COVERT MODULAR CAMERAS

Model Name	Covert Modular, 2MP	
	DC-V3213XJ-4.3mm	DC-V3213XJ-2.5mm
	 full HD 2MP	 full HD 2MP
Image Sensor	1/2.9" SONY CMOS Sensor	1/2.9" SONY CMOS Sensor
Max. Resolution	1920 x 1080	1920 x 1080
Lens Type	Fixed-focal Sharp-corn	Fixed-focal Board Type
Focal Length	f = 4.3mm	f = 2.5mm
Aperture	F2.0	F2.0
Iris Control	Fixed Iris	Fixed Iris
Angular Field of View	83° (H), 47° (V), 95° (D)	132° (H), 70° (V), 150° (D)
Min. Illumination	Color : 0.1 Lux B/W : 0.01 Lux	Color : 0.1 Lux B/W : 0.01 Lux
Dynamic Range	120dB (True WDR)	120dB (True WDR)
Day and Night	Auto / On / Off / Schedule	Auto / On / Off / Schedule
IR Distance (LEDs)	-	-
Video Out	-	-
Video Compression	H.265, H.264 (MP), M-JPEG	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Supported	Supported
Audio Compression	G.726, G.711 u-Law, G.711 a-Law	G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips : 1920 x 1080 15ips : 1920 x 1080 (WDR)	30ips : 1920 x 1080 15ips : 1920 x 1080 (WDR)
Ethernet	RJ45 (10/100 BASE-T)	RJ45 (10/100 BASE-T)
Recording Session Buffer (NLTSec)	Yes (Up to 60MB)	Yes (Up to 60MB)
Edge Storage	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)	micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)
Trigger Event	Motion Detection Alarm In Audio Detection Tampering Trip Zone	Motion Detection Alarm In Audio Detection Tampering Trip Zone
Audio In / Out	Line-in 1ea / Line-out 1ea (Terminal Block)	Line-in 1ea / Line-out 1ea (Terminal Block)
Alarm In / Out	Input 1ea / Output 1ea (Terminal Block)	Input 1ea / Output 1ea (Terminal Block)
Vandal Proof Casing	-	-
Outdoor Ready	-	-
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Dimensions (W x H x D) - Main Module	153mm x 36.5mm x 132.7mm (6.02" x 1.44" x 5.22")	153mm x 36.5mm x 132.7mm (6.02" x 1.44" x 5.22")
Dimensions (W x H x D) - Camera Module	39mm x 40mm x 25mm (1.54" x 1.57" x 0.98")	39mm x 40mm x 35mm (1.54" x 1.57" x 1.38")
Weight	0.9kg (1.98lb)	0.9kg (1.98lb)
Power Source	12VDC, PoE IEEE 802.3at (Class 4)	12VDC, PoE IEEE 802.3at (Class 4)
Power Consumption	4.44W	4.44W