

4K Day & Night Auto Focus IR Bullet IP Camera

Z7R8182X10-P

www.meritlilin.com



4K UHD



Day&Night



3D DNR



IP68



IK10



SD Card

- ▶ Ultra HD 8M megapixel CMOS image sensor
- ▶ 8MP H.265/HEVC and H.264/AVC high-performance video compression
- ▶ Simultaneous streaming of H.265 and H.264 encoded streams
- ▶ Auto focus with zoom / focus motorized lens
- ▶ P-IRIS supported
- ▶ 3D noise reduction (MCTF)
- ▶ HDR function up to 140dB
- ▶ Digital PTZ supported
- ▶ IVS / AI supported (need purchase license)
- ▶ Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
- ▶ SMART event
- ▶ High efficiency IR LED, radiant distance up to 55m
- ▶ Day & Night (IR cut removable)
- ▶ 2-way audio supported
- ▶ Digital I/O : 1 in, 1 out
- ▶ Cable managed housing and bracket
- ▶ ONVIF Profile S, T, G supported
- ▶ IP68 rain and dust resistant
- ▶ Vandal resistant approve IK10

Dimensions

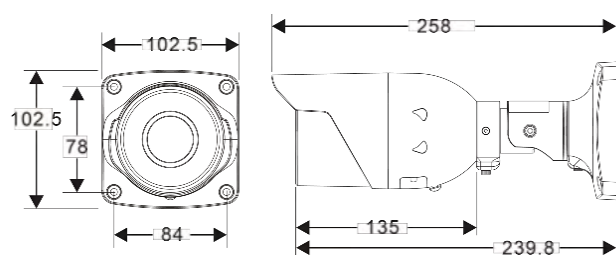
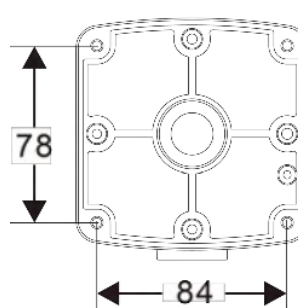


Diagram of mounting holes:(unit in mm)



Video Performance	
Minimum	Color : 0.05 Lux at F1.6 ; B/W : 0.01
Illumination	Lux at F1.6 ; 0 Lux with IR LED ON
Lens / Night Vision (Infrared LED)	
Focal Length	5 – 50mm (zoom / focus motorized)
Iris / Aperture	F 1.6
Iris Control	P-iris
Angle of View (H)	41.8° (W) – 6.4° (T)
Angle of View (V)	31.0° (W) – 4.8° (T)
Angle of View (D)	53.2° (W) – 8.0° (T)
Peak Wavelength	850nm
Beam Spread	30°
Radiant Distance	55M
Sensor	
Pick Up Element	1/2.8" CMOS image sensor
Effective Pixels	3864 (H) × 2176 (V) = 8,408,064 (Pixels)
Light Sensor	Yes
Certifications	
CE	Yes, EMI Class A
FCC	Yes, EMI Class A
IP Rating	IP68
Vandal Resistant Rating	IK10
PC Requirements	
CPU	Intel® Core™ i7 or higher grade
OS	Windows 7 or above
RAM	8GB or above, Dedicated Graphics Card
Web Browser	Microsoft® Internet Explorer® 9 or above
Input / Output	
Audio Input / Output	Mono, 1.98 Vp-p , 2.2KΩ , Terminal Block
Microphone	External Microphone Required
Audio	Two-way Audio, G.711 u-law / PCM / AAC
Alarm Input / Output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load. max. 40VDC,450mW/300mA,450mW), Terminal block
Live Video Output	CVBS 1.0Vp-p, 75 ohm, BNC Connector
Video Streaming	
Video Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG
Video Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast streams in H.265 and H.264 and Motion JPEG, configurable frame rate and bandwidth
Number of Streams	4
Video Bitrate	128Kbps – 12Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported, Fixed bitrate

Network Security	
Encryption	Base64 HTTP encryption, HTTPS encryption
Authentication	Digest HTTP authentication, RTSP authentication, DDNS via HTTPS
Address Filter	IP address filter, MAC address filter
Access	Multiple user access levels with password protection
User accounts	10 user accounts available
Multi IP Address	Yes
Video Resolutions (H x V)	
Resolution	4K(3840 × 2160), 6M(3072 × 2048), 5MP(2592 × 1944), 4MP(2304 × 1728), 3.1MP(2048 × 1536), 3MP(2304 × 1296), 2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), D1(720 × 480, 720 × 576), VGA(640 × 480), CIF(352 × 240)
Maximum Frame Rate	Normal mode: 60Hz: 30 FPS @ 3840 × 2160 50Hz: 25 FPS @ 3840 × 2160 HDR mode: 60Hz: 30 FPS @ 3840 × 2160 50Hz: 25 FPS @ 3840 × 2160
Video Functions	
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	Auto / Manual one push
Electrical Shutter	1/30(1/25)s – 1/20000s
Sense Up	Off / x2 / x4 / x8
Sense Up+	Yes
Auto Gain Control	60 dB Variable Gain
S/N Ratio	More than 50dB (AGC off)
3D Noise Reduction	Off / 1 – 32 Selectable
High Dynamic Range	Up to 140dB (by HDR mode, 2 shutter line interleave)
Privacy Masking	Off / On (4 zones)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Rotation, Overexposure Reduction
Auto Focus	One Push
Smart IR	Yes
EV (Exposure Value)	Adjustable
Warranty	
Warranty	3 Year(s)