

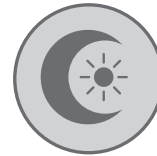
## 4K Day & Night Auto Focus IR Bullet IP Camera

# Z7R8182X3-P

www.meritlilin.com



4K UHD



Day&Night



3D DNR



IP68



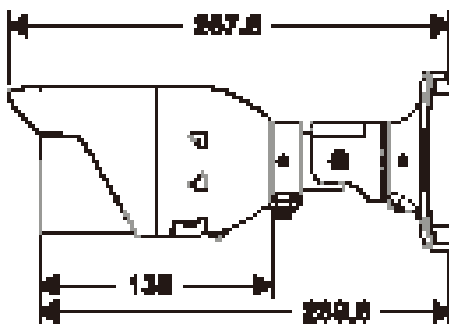
IK10



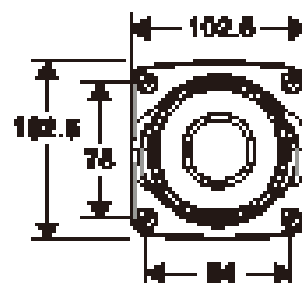
SD Card

- ▶ 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)



Unit: mm

| Video Performance                  |                                                                                                                          |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Minimum                            | Color : 0.04 Lux at F1.6 ; B/W : 0.008                                                                                   |
| Illumination                       | Lux at F1.6 ; 0 Lux with IR LED ON                                                                                       |
| Lens / Night Vision (Infrared LED) |                                                                                                                          |
| Focal Length                       | 2.8~12mm (zoom / focus motorized)                                                                                        |
| Iris / Aperture                    | F 1.6(W) - F 3.3(T)                                                                                                      |
| Iris Control                       | P-iris                                                                                                                   |
| Angle of View (H)                  | 108.0° (W) - 31.5° (T)                                                                                                   |
| Angle of View (V)                  | 56.3° (W) - 18.0° (T)                                                                                                    |
| Angle of View (D)                  | 130.8° (W) - 36.7° (T)                                                                                                   |
| Peak Wavelength                    | 850nm, White LED                                                                                                         |
| Beam Spread                        | 60° , 90°                                                                                                                |
| 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 / FCC / UKCA                    | 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<br>Microsoft® Edge (IE mode)                                                    |
| 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          |                                                                                                                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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:<br>60Hz: 30 FPS @ 3840 × 2160<br>50Hz: 25 FPS @ 3840 × 2160<br>HDR mode:<br>60Hz: 30 FPS @ 3840 × 2160<br>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)                                                                                                                                                                                                                  |