

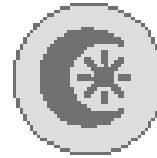
5MP Day & Night 25X Auto Focus IR Vandal Resistant Bullet IP Camera

Z7R8052EX25

www.meritlilin.com



5MP HD



Day&Night



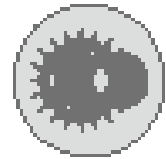
Smart Encoding



IP67



IK10



HDR

- ▶ 5 megapixel CMOS image sensor
- ▶ 5MP H.265/HEVC and H.264/AVC high-performance video compression
- ▶ Simultaneous streaming of H.265 and H.264 encoded streams
- ▶ Auto focus (Continue / Interval / Zoom Trigger / One Push), Manual Focus
- ▶ DC-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 100m
- ▶ 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
- ▶ Rain repellent glass
- ▶ Digital image stabilization
- ▶ RS-485 supported
- ▶ IP67 rain and dust resistant
- ▶ Vandal resistant approve IK10

Dimensions

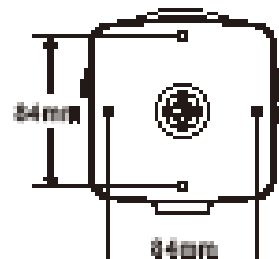
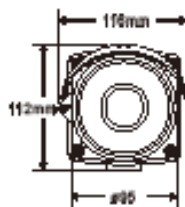
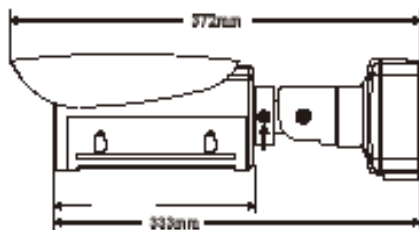


Diagram of mounting holes:(unit in mm)

Video Performance	
Minimum Illumination	0.07 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.01 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode)
Lens / Night Vision (Infrared LED)	
Focal Length	5.3 (WIDE) – 132.5 (TELE) mm
Iris / Aperture	F1.6(Wide) – F4.3(Tele)
Iris Control	DC-IRIS
Angle of View (H)	56.7° (W) – 3.2° (T)
Angle of View (V)	42.9° (W) – 2.6° (T)
Angle of View (D)	70.2° (W) – 2.0° (T)
Peak Wavelength	850nm
Beam Spread	Automatically adjusted, Depending on the zoom ratio
Radiant Distance	100M
Sensor	
Pick Up Element	1/2.8" CMOS image sensor
Effective Pixels	2616 (H) × 1964 (V) = 5,137,824 (Pixels)
Light Sensor	Yes
Certifications	
CE	Yes, EMI Class A
FCC	Yes, EMI Class A
IP Rating	IP67
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, Microsoft® Edge (IE mode)
Input / Output	
Alarm Input / Output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load. max. 40VDC, 450mW/300mA, 450mW), Terminal block
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	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 @ 2592 × 1944 50Hz: 25 FPS @ 2592 × 1944 HDR mode: 60Hz: 30 FPS @ 2592 × 1944 50Hz: 25 FPS @ 2592 × 1944
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	Auto focus (Continue / Interval / Zoom Trigger / One Push), Manual Focus
Smart IR	Yes
EV (Exposure Value)	Adjustable
Integration	
Mobile Application	Integrated to LILIN mobile app (LILIN Pro) iPhone, iPad, Android support
Video Management	ONVIF Profile S / ONVIF Profile T / ONVIF Profile G / IVS events, LILIN Navigator Enterprise 5.0 support, Third party VMS through LILIN HTTP API
SD Card Recording	Support Micro SD/SDHC/SDXC card for circular recording (card is not included)
SD Card Compatible List	Micron - 32GB, 64GB, 128GB, 256GB, 512GB, 1TB (SDXC, U1, C10) Transcend - 4GB SD, 8GB SDHC, 32GB SDHC C10, 128GB SDXC C10 SanDisk - 8GB SDHC, 32GB, 64GB, 128GB SDHC C10 Kingston - 64GB SDXC C10
Maintenance	Firmware update via HTTP and IP Scan; Firmware available at website
IVS Basic 1.0	Motion / Tamper
Event Triggers	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
Event actions	FTP / SMTP / HTTP post / SD card / SAMBA / Alarm Output / Push Service / Global Counter / Virtual Input
Control Interface	RS-485, Half duplex, Support MLP2, PELCO D/P communication protocol
Languages	English, Traditional Chinese, Simplified Chinese, Russian, Italian, Hungarian, Korean, French, Turkish, Arabic, Spanish, Japanese

Network	
Ethernet	10/100/1000 Mbps Base-T, RJ-45
ePTZ & Digital Zoom	Yes
OSD	Position configurable text overlay for date, time, camera ID, event status
CPU, Memory	Embedded Quad-core ARM Cortex-A53 1.0GHz CPU & 2GB LPDDR4X, 8GB e.MMC memory
OS	Embedded Linux 4.14
Network Protocols	IPv4, TCP, UDP, HTTP, HTTPS, QoS, NTP, DDNS, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, ONVIF Profile S, ONVIF Profile T, ONVIF Profile G
Max number of online users	10 simultaneous users
Video Display	LILIN Universal ActiveX & HTML5
Log	Event & operation log & IVS event log
Schedule	Support holiday list
Network Storage	NAS (Support SAMBA/CIFS)
Power and Environment	
Starting Temperature	-10° C – +50° C (14° F – 122° F)
Operating Temperature	-40° C – +50° C (-40° F – 122° F)
Storage Temperature	-25° C – +60° C (-13° F – 140° F)
Humidity	0% – 90% RH
Power Supply	DC12V ±10% (Terminal connector) / PoE+ (IEEE 802.3at compliant)
Power Consumption	DC12V, 15.9W / PoE+, 18.3W
Mechanical	
Dimension	116(W) × 112(H) × 372(D) mm
Weight	1800g
Casing Material	Aluminum alloy
Window	Ø82 heat resistant glass
Warranty	
Warranty	3 Year(s)