



---

## Day & Night 4MP HD AF Bullet IR IP Camera



---

### Features

- Full HD 4.0 megapixel CMOS image sensor
- 4MP True H.264 AVC High Profile video compression
- H.264 and Motion JPEG multi-profile video streaming
- Auto focus with zoom / focus motorized lens
- Smart H.264 supported
- 3D noise reduction (MCTF)
- 2D WDR function
- HDR function up to 100dB
- Digital PTZ supported
- IVS supported
- Cable managed housing and bracket
- Tampering / Audio / Motion detection alarm function
- High efficiency IR LED, radiant distance up to 30m
- Day & Night (IR cut removable)
- ONVIF Profile S supported

---

### Description

ZMR8442X is a day & night 4MP auto-focused vandal resistant bullet IR IP camera designed into a range of environments such as retail, home, office, residential premises and hotel security.

It features a full HD 4.0 megapixel CMOS image sensor. The camera has built-in IR-cut filter which allows clearer images at day and night operations even in the low lux condition. The high efficiency IR LED radiant distance can extend up to 30m. Its auto focus feature allows users to automatically focus the camera from a distant location. With motorized lens, all you need to do with zoom/focus adjustments is simply a click on browsers.

Supported with privacy mask, 3D noise reduction, 2D WDR function, and HDR function up to 100dB, ZMR8442X ensures to deliver a clear and detailed image to the users.

## Specifications

Model	ZMR8442X
Image Sensor/Sensor type	1/3" CMOS image sensor
Effective pixels	2688 (H) x 1520 (V) = 4,085,760 (pixels)
Video Compression	H.264 Main and High Profile, Motion JPEG
Resolution	4MP (2688x1520) , 3.6MP(2560x1440) , 3MP(2304x1296) , 1080p(1920x1080) , 720p(1280x720) , D1(720x480, 720x576) , CIF (640x480, 352x240)
Frame Rates	H.264 / Motion JPEG: up to 20 fps @ 2688x1520, up to 25 fps @ 2560x1440, up to 30 fps @ 2304x1296, up to 30 fps @ 1920x1080
Lens	2.8 – 8 mm (zoom / focus motorized)
Iris	F1.6
Angle of View	H : 97.3° (W) – 49.2° (T) V : 49.6° (W) – 24° (T) , D : 122.4° (W) – 54.8° (T)
Auto Focus	One Push
Max IR distance	30M
Infrared LED Angle	60°
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast

Video bitrate	128Kbps – 12Mbps ; Frame rate and bit rate controllable on-the-fly ; VBR / CBR / GOP supported, Fixed bitrate, Smart H.264
Peak wavelength	850nm
Window / Glass Thickness	Ø58 Heat Resistant Glass
Scanning System	Progressive scan
IR cut filter	Auto / Schedule / Day (Color) / Night (Mono)
Min. illumination/Low Light Mode (Colour)	Color: 0.43 Lux at F1.6 , B/W: 0.085 Lux at F1.6 , With Infrared LED 0 Lux
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Custom
Back Light Compensation (BLC)	On / Off
Shutter Time	1/30(1/25)s – 1/20000s
Sense Up	Off / 1 Frame / 2 Frames
Auto Gain Control	36 dB Variable Gain
3D Noise Reduction	Off / 1 – 32 Selectable
2D WDR	Off / Auto / x2 / x3 / x4 (by normal mode)
High Dynamic Range(HDR)	Up to 100dB (by HDR mode, 2 shutter line interleave)
Privacy Masking	Off / On (4 zones)
Other functions	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Lens Distortion Correction
S / N Ratio	More than 50dB (AGC off)
Encryption	Base64 HTTP encryption/ Digest HTTP authentication
Access	Multiple user access levels with password protection
User accounts	10 user accounts available
Users	10 simultaneous users
ePTZ & Digital Zoom	Yes, ROI is supported
OSD (On-Screen Display)	Text overlay for date, time, and camera name
IVS (Intelligent Video Surveillance)	Advanced motion detection, Tripwire detection, Semaphore + Tripwire detection, Object counting
Alarm event triggers	Motion / Tamper / Network lost detection

Alarm event actions	FTP, HTTP post, SD card, SAMBA
CPU	Embedded SoC ARM Cortex-A9, 600MHz, 256MB DDR3, 256MB flash memory
Firmware	Firmware update via HTTP and IP Scan , Firmware available at web site
Network Interface/Ethernet	10Base-T / 100Base-TX, RJ-45
CE	Yes
FCC	Yes, EMI Class B
OS requirement	Windows 7, Windows 8, Windows 10
Web browser	Microsoft® Internet Explorer® 9.0 and later
CPU requirement	Intel i3 or above
RAM requirement	4GB or above, Dedicated Graphics Card
Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, SIP, MQTT, QoS, SNMP, SNMP Trap, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SDDP, Bonjour
Mobile phone	Integrated to LILIN mobile app (LILIN Viewer), iPhone, iPad, Android support
Video Management	ONVIF Profile S, LILIN Navigator Enterprise 1.0 and 2.0 support, Third party VMS through LILIN HTTP API
Video Display	LILIN Universal ActiveX, LILIN Java Applet & HTML5
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese
OS	Embedded Linux 3.10
SD Card (recording)	Support Micro SD/SDHC/SDXC card for circular recording (card is not included)
IP Rating	IP66
Operating temperature	-40°C – +50°C (-40°F – 122°F)
Dimensions	68mm(W) x 69mm(H) x 214mm(D)
Weight	515g

---

Power Supply	DC12V ±10%
PoE	PoE (IEEE 802.3af compliant)
Power Consumption	DC12V, 7.5W / PoE, 8.6W

---