



4MP Day & Night Auto Focus IR IP Bullet Camera



Features

- Full HD 4.0 megapixel CMOS image sensor
- Auto focus with zoom / focus motorized lens
- P-IRIS supported
- Smart H.264 supported
- 3D noise reduction (MCTF)
- 2D WDR function
- HDR function up to 100dB
- IVS supported
- Tampering / Audio / Motion detection alarm function
- High efficiency IR LED, radiant distance up to 40m
- Day & Night (IR cut removable)
- 2-way audio supported
- Digital I/O: 1 in, 1 out
- ONVIF Profile S supported

Description

ZMR8142X-P 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 40m. 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.

It also has P-Iris which is very good to have larger depth of field, so no matter how far and how close the objects are; ZMR8142X-P still provides clear images with correct focus. Supported with privacy mask, 3D noise reduction, 2D WDR function, and HDR function up to 100dB, ZMR8142X-P ensures to deliver a clear and detailed image to the users.

Specifications

Model	ZMR8142X-P
Min. illumination/Low Light Mode (Colour)	Color : 0.2 Lux at F1.4 ; B/W : 0.04 Lux at F1.4 ; 0 Lux with IR LED ON
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)
Operating humidity	0% – 90% RH
Power Supply	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power Consumption	DC12V, 11.2W / PoE, 12.5W
Lens	2.8 – 12 mm (zoom / focus motorized)
Iris	F1.4 (W) – F2.8 (T), P-IRIS
Iris Control	P-IRIS
Angle of View	H : 89.3° (W) – 30.4° (T) , V : 47.5° (W) – 17.1° (T) , D : 101.7° (W) – 34.2° (T)
Peak wavelength	850nm
Beam Spread	60° , 90°
Max IR distance	40M
Pick Up Element	1/3" CMOS image sensor
Effective pixels	2688 (H) x 1520 (V) = 4,085,760 (pixels)

Chip size	7.60mm (H) x 5.80mm (V)
CE	Yes, EMI CLASS B
FCC	Yes, EMI CLASS B
IP Rating	IP68
Vandal Resistant Rating / IK Rating	IK10
OS requirement	Windows 7 or above
RAM	4GB or above, Dedicated Graphics Card
Web browser	Microsoft® Internet Explorer® 9 or above
Dimensions	102.5mm(W) x 102.5mm(H) x 258mm(D)
Weight	1020g
Window / Glass Thickness	Ø75 Heat Resistant Glass
Audio Input / Output	Mono, 1.98 Vp-p , 2.2KΩ , Terminal Block
Audio	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required
Alarm Input / output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load max. 40VDC/300mA), Terminal Block
Live Video Output	CVBS 1.0Vp-p, 75 ohm, connector
Video Compression	H.264 Main and High Profile, Motion JPEG
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast
Number of streams	4
Video bitrate	128Kbps – 12Mbps ; Frame rate and bit rate controllable on-the-fly ; VBR / CBR / GOP supported, Fixed bitrate, Smart H.264
Encryption	Base64 HTTP encryption, HTTPS encryption
Authentication	Digest HTTP authentication, RTSP authentication, 802.1x, DDNS via HTTPS
Address Filter	IP address filter, MAC address filter
Access	Multiple user access levels with password protection
User accounts	10 simultaneous users
Multi IP address	Yes

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
Scanning System	Progressive scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Custom
Electrical Shutter	1/30(1/25)s – 1/20000s
Sense Up	Off / 1 Frame / 2 Frames
Sense Up+	Yes
Auto Gain Control	36 dB Variable Gain
S / N Ratio	More than 50dB (AGC off)
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)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Lens Distortion Correction
Auto Focus	One Push
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
SD Card (recording)	Support Micro SD/SDHC/SDXC card for circular recording (card is not included)
Firmware	Firmware update via HTTP and IP Scan , Firmware available at web site

IVS Basic 1.0	Digest HTTP authentication, RTSP authentication, 802.1x, DDNS via HTTPS
Alarm event triggers	Motion / Tamper / Audio / Alarm / Network lost detection
Alarm event actions	FTP / SMTP / HTTP post / SD card / SAMBA / SMTP Trap / Alarm Output
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese
Network Interface/Ethernet	10Base-T / 100Base-TX, RJ-45
ePTZ & Digital Zoom	Yes, ROI is supported
OSD	Text overlay for date, time, and camera name
CPU.Memory	Embedded SoC ARM Cortex-A9, 600MHz, 256MB DDR3, 256MB flash memory
OS	Embedded Linux 3.10
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, SIP, 802.1x, SSL/TLS
Max number of online users	10 user accounts available
Video Display	LILIN Universal ActiveX, LILIN Java Applet & HTML5