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
- Tampering / Motion detection alarm function
- High efficiency IR LED, radiant distance up to 40m
- Day & Night (IR cut removable)
- ONVIF Profile S supported
- 2-way audio supported
- Digital I/O : 1 in, 1 out

Description

As with all Z series Auto Focus cameras, the Day & Night 4MP HD AF Bullet IR IP Camera ZMR7742X incorporates Sense up+, a unique technology that successfully delivers stunning video in low-light conditions. Utilizing intelligent image signal processing, AGC control, and 3D Noise Reduction, this model successfully delivers the ultimate low-light image without motion blur. Offering flexible Auto Focus installation feature, ZMR7742X fits into a range of environments such as retail, home, office, and hotel security. The ZMR7742X is capable of producing four independent video streams, different streams can be set for different applications, depending on the individual user requirements. The IP66-rated housing is designed to help the camera body withstand rain and dust and ensures operation under a multitude of harsh weather conditions.

Specifications

Model	ZMR7742X
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 HD(1920 x 1080) , 1280x960 , 720p HD(1280 x 720) , D1 (720 x 480 , 720 x 576) , 640x480 , CIF (352 x 240)
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 : 97.6° (W) – 54.0° (T) , V : 54.0° (W) – 30.3° (T) , D : 113.3° (W) – 62.3° (T)
Auto Focus	One Push
Max IR distance	40m
Infrared LED Angle	60▯, 90▯
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
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 , 0 Lux with IR LED ON
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Custom
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
Live video	CVBS 1.0Vp-p, 75 ohm, connector
Audio Input / Output	Mono, 1.98 Vp-p , 2.2KΩ , Terminal Block
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 / Audio / Alarm / 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 ; 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
Audio	2-way audio , G.711 / PCM / AAC
SD Card (recording)	Support Micro SD/SDHC/SDXC card for circular recording (card is not included)

Alarm Input / output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load max. 40VDC/300mA), Terminal Block
IP Rating	IP66 waterproof
Operating temperature	-40☐ to 50☐ (-40☐ to 122☐)
Dimensions	Body : 98.5mm(W) x 90mm(H) x 195mm(D) , Bracket : 160mm(L)
Weight	1450g approx.
Power Supply	DC12V ±10% , PoE (IEEE 802.3af compliant)
PoE	PoE, 10.6W
Power Consumption	DC12V, 8.4W