4K Day & Night Auto Focus IR IP Bullet Camera

Features

- 4K Ultra High Definition resolution
- 4K True H.264 AVC High Profile video compression
- H.264 and Motion JPEG multi-profile video streaming
- Auto focus with zoom / focus motorized lens
- 3D noise reduction (MCTF)
- 2D WDR function
- HDR function up to 100dB
- Digital PTZ supported
- IVS supported
- Motion / Tamper / Audio / Alarm / Network lost detection function
- 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 supported
- IP68 rain and dust resistant

Alternative models

- Z7R8182X2 / Z7R8182X2-P / Z7R8182X3-P

Description

ZHR8182X is 4K Ultra HD IR IP outdoor bullet camera integrates Auto Focus lens to focus or zoom adjustments by clicking on browsers, waterproof IP68 rated and Wide Dynamic Range. The camera is featuring 30 frames per second and 3,840-by-2,160-pixel picture.As the demand of super resolution in video surveillance is on the rise, 4K is the stepping stone of prevalent 1080P Full HD. LILIN's new 4K Ultra HD network camera, ZHR8182X, enhances HD images by providing four times HD picture with beautifully natural detail and astonishing saturated colours.

Specifications

Model	ZHR8182EX2
Min. illumination/Low Light Mode (Colour)	Color : 0.5 Lux at F1.5 ; B/W : 0.05 Lux at F1.5 ; 0 Lux with IR LED ON
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 802.3at compliant)
Power Consumption	DC12V, 17W / PoE+, 18.5W
Focal Length	3.6mm – 10mm (zoom / focus motorized)
Iris	F1.5(W) – F2.8(T)

Angle of View	98° (W) – 42° (T) (H) 54° (W) – 24° (T) (V) 113° (W) – 48° (T) (D)
Peak wavelength	850nm
Max IR distance	55M
Pick Up Element	1/1.7" CMOS image sensor
Effective pixels	4072 (H) × 3046 (V) = 12,403,312 (Pixels)
CE	Yes, EMI CLASS A
FCC	Yes, EMI CLASS A
IP Rating	IP68
Vandal Resistant Rating / IK Rating	IK10
CPU requirement	Intel® Core™ i5 or higher grade
OS requirement	Windows 7 or above
RAM	8GB or above, Dedicated Graphics Card
Web browser	Microsoft® Internet Explorer® 9 or above
Dimensions	102.5(W) × 102.5(H) × 258(D) mm
Weight	1050g
Window / Glass Thickness	Ø64 Heat Resistant Glass & Rain repellent 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)
Live Video Output	CVBS 1.0Vp-p, 75 ohm, RCA connector
Video Compression	H.264 main and high profile, Motion JPEG
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast 4 configurable streams in H.264 and Motion JPEG, configurable frame rate, bandwidth Codec and GOP
Video bitrate	128Kbps – 12Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported; Fixed bitrate
Encryption	Base64 HTTP encryption, HTTPS encryption

Authentication	Digest HTTP authentication, RTSP authentication, 802.1x, DDNS via HTTPS
Access	Multiple user access levels with password protection
User accounts	10 simultaneous users
Multi IP address	Yes
Resolution	4K(3840 x 2160), 2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), D1(720 × 480, 720 × 576), VGA(640 × 480), CIF(352 × 240)
Maximum Frame Rate	Single-stream mode, H.264 : up to 30 fps @ 3840 × 2160 (Video only support preview mode) Multi-stream mode, H.264 : up to 24 fps @ 3840 × 2160, 30 fps @ 1920 × 1080, MJPEG : up to 30 fps @ 1920 × 1080
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Custom
Back Light Compensation (BLC)	On / Off
Electrical Shutter	1/30(1/25)s – 1/30000s
Sense Up	Off / 1 Frame / 2 Frames
Sense Up+	Yes
Auto Gain Control	42 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)
Privacy Masking	Off / On (4 zones)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip
Auto Focus	One push
Smart IR	Off / On
Mobile Application	Integrated to LILIN mobile app (LILIN Viewer) iPhone, iPad, Android support

Video Management	ONVIF Profile S, LILIN Navigator Enterprise 2.0, 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 website
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	10/100/1000 Mbps Base-T (Tx), RJ-45
ePTZ & Digital Zoom	Yes, ROI (Region of Interest)
OS	Embedded Linux 3.8.8
Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, MQTT, QoS, SNMP, SNMP Trap, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, Bonjour, SIP, 802.1x, SSL/TLS
Video Display	LILIN Universal ActiveX & HTML5