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## 4K Ultra HD Auto Focus IR IP Bullet Camera



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### Features

- 4K Ultra High Definition resolution
- Micro SD/SDHC/SDXC card recording supported
- Digital PTZ supported
- IP66 rain and dust resistant
- 35-meter infrared night vision

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### 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 IP66 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
Image Sensor/Sensor type	1/1.8" CMOS image sensor
Effective pixels	4072 (H) x 3046 (V) = 12,403,312 pixels
Video Compression	H.264 main and high profile, Motion JPEG
Resolution	4K Ultra HD(3840 x 2160) ,1080P(1920×1080) , 720p(1280 x 720) , D1(720 x 480) , CIF(352 x 240)
Frame Rates	Single-stream mode, H.264 : up to 30 fps @ 3840 x 2160 ; Multi-stream mode, H.264 : up to 24fps @ 3840 x 2160, 30 fps @ 1920 x 1080, Motion JPEG : up to 30fps @ 1920 x 1080
Lens	4.5-10 mm (zoom / focus motorized)
Iris	F1.6
Angle of View	(H)93° -42°
Auto Focus	One push
Max IR distance	35m
Infrared LED Angle	30°- 60°
Smart IR	Off / On
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast
Video bitrate	128Kbps□12Mbps ; Frame rate and bitrate controllable on-the-fly ; VBR / CBR / GOP supported
Peak wavelength	850nm

Window / Glass Thickness	Ø64 Heat Resistant Glass
Scanning System	Progressive scan
IR cut filter	Color (Day), Monochrome (Night), Auto, Schedule
Min. illumination/Low Light Mode (Colour)	Color: 0.4 Lux at F1.6, B/W: 0.08 Lux at F1.6 , With Infrared LED 0.0 lux
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2
Back Light Compensation (BLC)	On / Off
Shutter Time	1/30(1/25)s□1/30000s
Sense Up	Off / 1 frame / 2 frames
Sense Up+	Yes
Auto Gain Control	45 dB variable gain
3D Noise Reduction	Off / 1 to 32 selectable
2D WDR	Off / Auto / x2 / x3 / x4
Privacy Masking	Off / On (4 independent areas)
Other functions	Sharpness, Image flip, Image mirror, Hue
Live video	CVBS 1.0Vp-p, 75 ohm, RCA connector
Audio Input / Output	Mono, 1.98 Vp-p , 2.2KΩ , 3.5mm phone jack
Encryption	Base64 HTTP encryption
Access	Multiple user access levels with password protection
User accounts	10 user accounts available
IP address filter	Yes
Multi IP address	Yes
Users	8 simultaneous users
ePTZ & Digital Zoom	Yes, ROI is supported
OSD (On-Screen Display)	Text overlay for date, time and camera name
Alarm event triggers	Tampering / audio / motion /alarm detection ; Image upload over HTTP, FTP, and E-mail by tampering / audio / motion detection
Alarm event actions	FTP,SMTP, HTTP post, SD card, SAMBA

CPU	Embedded SoC, 1.2GHz Dual ARM Cortex-A9 & 600MHz ARM11, 1GB DDR3, 256MB flash memory
Firmware	Firmware upgrade via HTTP ; Firmware available at <a href="http://meritlilin.com">meritlilin.com</a>
Network Interface/Ethernet	10/100/1000 Mbps Base-T, RJ-45
CE	Yes
FCC	Yes
OS requirement	Windows 7, Windows 8 and above
Web browser	Microsoft® Internet Explorer® 10 and later
CPU requirement	Intel Core 2 Duo E6400 2.13GHz or above
RAM requirement	2GB or above, Independent Display Card
Protocols	IPv4, IPv6, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP, Bonjour
Mobile phone	Integrated to LILIN mobile app (LILINViewer) ; iPhone, iPad, Android support
Video Management	ONVIF Profile S / LILIN Navigator Enterprise 2.0 / Third party VMS through LILIN HTTP API
Video Display	LILIN Universal ActiveX & LILIN Java Applet
OS	Embedded Linux 3.8.0
Audio	2-way Audio ,G.711 / PCM
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)
IP Rating	IP66 waterproof
Operating temperature	-40°~50° (-40°~122°)
Dimensions	102.5mm(W) x 102.5mm(H) x 258mm(D)
Weight	1050g
Power Supply	DC12V ±10%~Power over Ethernet (IEEE 802.3at compliant)

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PoE	PoE+
Power Consumption	DC12V, 17W / PoE+, 18.5W

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