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## 1080P Day & Night Auto Focus IR Bullet IP Camera



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### Features

- Full HD 2 megapixel CMOS image sensor
- 2MP H.265/HEVC and H.264/AVC high-performance video compression
- Simultaneous streaming of H.265 and H.264 encoded streams
- Auto focus with zoom / focus motorized lens
- 3D noise reduction (MCTF)
- 2D WDR function
- DWDR function up to 70dB
- High efficiency IR LED, radiant distance up to 30m
- Day & Night (IR cut removable)
- Digital I/O : 1 in, 1 out
- ONVIF Profile S supported
- IP68 rain and dust resistant
- Vandal resistant approve

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### Specifications

Model	Z5R8922X3
Min. illumination/Low Light Mode (Colour)	Color : 0.01 Lux at F1.8 ; B/W : 0.001 Lux at F1.8 ; 0 Lux with IR LED ON
Starting Temperature	-10°C – +50°C (14°F – 122°F)
Operating temperature	-30°C – +50°C (-22°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, 7.7W / PoE, 10.0W
Focal Length	2.8 – 12 mm (zoom / focus motorized)
Iris	F 1.8(W) - F 3.3(T)
Iris Control	Fixed IRIS
Angle of View	104.0° (W) – 36.6° (T) (H) 54.7° (W) – 20.4° (T) (V) 126.1° (W) – 41.7° (T) (D)
Peak wavelength	850nm
Beam Spread	60°
Max IR distance	30M
Pick Up Element	1/2.7" CMOS image sensor
Effective pixels	1932(H) X 1092(V) = 2,109,744 (Pixels)
CE	Yes, EMI CLASS A
FCC	Yes, EMI CLASS A
IP Rating	IP67
Vandal Resistant Rating / IK Rating	IK10
CPU	Intel® Core™ i7 or higher grade
OS	Windows 7 or above
RAM	8GB or more, Dedicated Graphics Card
Web browser	Microsoft® Internet Explorer® 9 or above
Dimensions	74(W) × 69(H) × 189(D) mm
Weight	575g
Casing Material	Aluminum alloy
Window / Glass Thickness	Ø61 Heat Resistant Glass

Alarm Input / output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load.max. 40VDC,450mW/300mA,450mW), Terminal block
Video Compression	H.265/HEVC Main Profile, H.264 Main Profile , Motion JPEG
Video streaming	RTSP/UDP, RTSP/TCP, configurable streams in H.265 and H.264 and Motion JPEG, configurable frame rate and bandwidth
Number of streams	3
Video bitrate	128Kbps - 8192Kbps, Frame rate and bit rate controllable on-the-fly, VBR / CBR / GOP supported, H.264/H.265
Encryption	Base64 HTTP encryption, Digest HTTP authentication, RTSP Authentication
Authentication	Digest HTTP authentication, RTSP authentication, DDNS via HTTPS
Access	Multiple user access levels with password protection
User accounts	7 simultaneous users
Resolution	2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), 720 × 576, 720 × 480, 720 × 384, VGA(640 × 480), CIF(352 × 256)
Maximum Frame Rate	60Hz: 30 fps @ 1920 × 1080 50Hz: 25 fps @ 1920 × 1080
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Schedule / Day (Color) / Night (Mono)
White Balance	Auto/ Manual (adjustable)
Back Light Compensation (BLC)	Off / On
Electrical Shutter	1/30(1/25)s – 1/20000s
Sense Up	Off / x2 / x4
Sense Up+	Yes
Auto Gain Control	42 dB Variable Gain

S / N Ratio	More than 48dB (AGC off)
3D Noise Reduction	Off / 1 – 32 Selectable
2D WDR	Off / Auto (x2, x3, x4)
Privacy Masking	Off / On (4 zones) color mask configurable
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Rotation
Auto Focus	One Push
Mobile Application	Integrated to LILIN mobile app (LILIN Viewer), iPhone, iPad, Android support
Video Management	ONVIF Profile S / LILIN Navigator Enterprise 2.0 support, Third party VMS through LILIN HTTP API
SD Card (recording)	Support (128GB) Micro SD/SDHC/SDXC card for circular recording (card is not included)
Maintenance	Firmware update via HTTP and IP Scan; Firmware available at website
Alarm event triggers	Motion / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
Alarm event actions	FTP / SMTP / HTTP POST / SD / SAMBA / Alarm / Global Counter / Virtual Input
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese
Network Interface/Ethernet	10/100 Mbps Base-T (Tx), RJ-45
OSD	Text overlay for date, time, and camera name (position configurable text overlay for date, time, camera name)
CPU.Memory	SoC ARM Cortex-A7 Single Core 800MHz, Embedded 128MB DDR3, 128MB flash memory
Network OS	Embedded Linux 3.10

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Protocols	IPv4, TCP, UDP, HTTP, HTTPS, SMTP, NTP, DDNS, FTP, ARP, DHCP, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SSL/TLS
Max number of online users	7 simultaneous users
Video Display	LILIN Universal ActiveX
Log	System / Config / Alarm / User / Record / Storage / Network
High Dynamic Range(HDR)	Up to 70dB (DWDR on)
EV (Exposure Value)	Adjustable

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