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## 2MP 60fps Auto Focus IR IP Bullet Camera



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### Features

- 60fps @ 1080P resolution
- Micro SD/SDHC/SDXC card recording supported
- HDR function up to 120dB
- IP66 rain and dust resistant
- 35-meter infrared night vision

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### Description

ZSR8122EX3 is 2MP 60fps Auto Focus IR IP Bullet Camera integrates Auto Focus lens to focus or zoom adjustments by clicking on browsers, waterproof IP66 rated and High Dynamic Range. The camera is featuring 60 frames per second at 1080P full HD resolution and 35-meter IR infrared LED illuminator able to capture fast moving objects during both daytime and nighttime.

## Specifications

Model	ZSR8122EX3
Image Sensor/Sensor type	1/2.86" MOS image sensor
Effective pixels	1952 (H) x 1266 (V) = 2,471,232 pixels
Video Compression	H.264 main and high profile, Motion JPEG
Resolution	1080P(1920×1080) , 720p(1280 x 720) , D1(720 x 480) , CIF(352 x 240)
Frame Rates	Dual-stream mode, H.264 : up to 60 fps @ 1920 x 1080, Motion JPEG : up to 30fps @ 720 x 480 / HDR mode, H.264 : up to 30 fps @ 1920 x 1080 , Motion JPEG : up to 30fps @ 720 x 480
Lens	2.8 - 12 mm
Iris	F1.4
Angle of View	(H)90°- 36° (V)49°- 20° (D)105°- 41°
Auto Focus	One push
Max IR distance	35m
Infrared LED Angle	60°, 90°
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	Ø75 Heat Resistant Glass

Scanning System	Progressive scan
IR cut filter	Colour (Day), Monochrome (Night), Auto, Schedule
Min. illumination/Low Light Mode (Colour)	Color : 0.05 Lux at F1.4 / B/W : 0.02 Lux at F1.4 , 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	54dB 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 120dB (by HDR mode, 2 shutter line interleave)
Privacy Masking	Off / On (4 independent areas)
Other functions	Sharpness, Image flip, Image mirror, Hue, Defog
Live video	CVBS 1.0Vp-p, 75 ohm, BNC connector
Audio Input / Output	Mono, 1.98 Vp-p , 2.2KΩ , Terminal connector
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
IVS (Intelligent Video Surveillance)	Motion detection, Tamper detection, Zone Entering, Direction detection, Zone crossing
Alarm event triggers	Tampering / audio / motion /alarm detection ; Image upload over 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 2000, Windows XP, Windows Vista, Windows 7, Windows 8
Web browser	Microsoft® Internet Explorer® 6.0 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 1.0 / Third party VMS through LILIN HTTP API
Video Display	LILIN Universal ActiveX & LILIN Java Applet
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese
OS	Embedded Linux 3.8.0
Audio	Two-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) , Terminal connector

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IP Rating	IP66 waterproof
Operating temperature	-40°~50° (-40°~122°)
Dimensions	102.5mm(W) x 102.5mm(H) x 258mm(D)
Weight	1030g
Power Supply	DC12V ±10%~Power over Ethernet (IEEE 802.3at compliant)
PoE	PoE+
Power Consumption	DC12V, 15.2W / PoE+, 16.6W

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