1080P Day & Night Auto Focus IR IP Bullet Camera

Features

- Full HD 2 megapixel CMOS image sensor
- 1080P 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 detection, Tampering detection, audio detection, tripwire, object counting, traffic light detection function
- High efficiency IR LED, radiant distance up to 35M
- Day & Night (IR cut removable)
- 2-way audio supported
- Digital I/O : 1 in, 1 out ONVIF Profile S supported
- 60 fps @ 1080P resolution
- IP68 rain and dust resistant

Description

An Ideal camera for low-light conditions

ZSR8122EX2 is an Auto Focus IR IP Bullet Camera that provides Full HD resolution at 60fps. It is an ideal camera for difficult lighting conditions. In the combination of WDR, 3D noise reduction, intelligent image signal processing, and the built-in Sense-up+ technology, the camera delivers outstanding image under extreme low-light conditions without any motion blur. This camera is also designed to prevent from rain and dust with its IP68-rated housing, ensuring operation under various demanding weather conditions. ZSR8122EX2 is an excellent choice that feeds your demand in multiple applications.

Specifications

Model	ZSR8122EX2
Min. illumination/Low Light Mode (Colour)	Color : 0.06 Lux at F1.8 ; B/W : 0.005 Lux at F1.8 ; 0 Lux with IR LED ON
Starting Temperature	-10°C – +50°C (14°F – 122°F)
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, 15.2W / PoE+, 16.6W
Lens	7.0 – 22 mm (zoom / focus motorized)
Iris	F1.8(W) – F2.8(T)
Iris Control	DC-IRIS
Angle of View	41° (W) – 14° (T) (H) 22° (W) – 8° (T) (V) 48° (W) – 18° (T) (D)
Peak wavelength	850nm
Beam Spread	60°, 90°
Max IR distance	35M
Pick Up Element	1/2.86" MOS image sensor
Effective pixels	1944 (H) × 1213 (V) = 2,358,072 (pixels)
CE	Yes, EMI CLASS A

FCC	Yes, EMI CLASS A
IP Rating	IP68
Vandal Resistant Rating / IK Rating	IK10
CPU	Intel® Core™ i5 or higher grade
OS requirement	Windows 7 or above
RAM	4GB 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 approx.
Window / Glass Thickness	Ø75 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), Terminal block
Live Video Output	CVBS 1.0Vp-p, 75 ohm, 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
Number of streams	4
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
Address Filter	IP address filter, MAC address filter
Access	Multiple user access levels with password protection
User accounts	10 simultaneous users

Multi IP address	Yes
Resolution	2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), D1(720 × 480, 720 × 576), VGA(640 × 480), CIF(352 × 240)
Frame Rates	"Multi-stream mode, H.264 : up to 60 fps @ 1920 × 1080, MJPEG : up to 30 fps @ 720 × 480 HDR mode, H.264 : up to 30 fps @ 1920 × 1080 , MJPEG : up to 30 fps @ 720 × 480"
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	60 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)
High Dynamic Range(HDR)	Up to 120dB (by HDR mode, 2 shutter line interleave)
Privacy Masking	Off / On (4 zones)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Defog
Auto Focus	One Push
Smart IR	Off / On
Mobile phone	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
IVS Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting
IVS Advanced 2.1 (Optional)	Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face Detection
Alarm event triggers	Motion / Tamper / Audio / Alarm / Network lost detection / IVS
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)
OSD	Text overlay for date, time, and camera name
CPU.Memory	Embedded SoC, 1.2GHz Dual ARM Cortex-A9 & 600MHz ARM11, 1GB DDR3, 256MB flash memory
OS	Linux 3.8.8
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, 802.1x, SSL/TLS
Max number of online users	10 user accounts available
Video Display	LILIN Universal ActiveX & HTML5