1080P Day & Night Auto Focus IR Bullet IP Camera

Features

- Full HD 2 megapixel CMOS image sensor
- 2MP H.265/HEVC and H.264/AVC high-performance video compression
- License plate recognition on the edge
- Log list: 1000, denial list: 100, allowed list: 2000, visitor list: 2000 and LPR Snapshot: 100
- Detection speed: Under 50KM/h.
- Supported country : EU, UK, Russia ,Belgium, Bosnia, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Luxembourg, Macedonia, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Spain, Slovakia, United Kingdom, Vatican City, Slovenia, Sweden, Switzerland, Turkey, Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Latvia, Lithuania, Moldova, Turkmenistan, Ukraine, Uzbeki
- Plate number length supported: from 5 to 9 characters (A~Z and 0~9).
- Support limited hour access for recognition
- Build-in database for denial and allowed lists, no need computer can operate alone

Specifications

Model	Z3R8922LPR3-H
Min. illumination/Low Light Mode (Colour)	Color : 0.02 Lux at F1.8 ; B/W : 0.002 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 802.3af compliant)
Power Consumption	DC12V, 5.7W / PoE, 6.8W
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	104.2° (W) – 39.0° (T) (H) 54.9° (W) – 21.8° (T) (V) 125.9° (W) – 44.6° (T) (D)
Peak wavelength	850nm
Beam Spread	60° , 90°
Max IR distance	30M
Pick Up Element	1/2.8" CMOS image senso
Effective pixels	1945 (H) × 1097 (V) = 2,133,665 (pixels)
Light sensor	Yes
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 above, Dedicated Graphics Card
Web browser	Microsoft® Internet Explorer® 9 or above
Dimensions	74(W) × 69(H) × 206(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 and high profile , Motion JPEG
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast 4 configurable streams in H.265 and H.264 and Motion JPEG, configurable frame rate and bandwidth
Number of streams	4
Video bitrate	128Kbps – 12Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported, Fixed bitrate, Smart H.264/H.265
Resolution	2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), D1(720 × 480, 720 × 576), VGA(640 × 480), CIF(352 × 240)
Maximum Frame Rate	Normal mode 60Hz: 30 fps @ 1920 × 1080 50Hz: 25 fps @ 1920 × 1080 HDR mode 60Hz: 30 fps @ 1920 × 1080 50Hz: 25 fps @ 1920 × 1080
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	ATW-NARROW / ATW-WIDE / AWC(MANUAL)
Back Light Compensation (BLC)	Yes
Electrical Shutter	1/30(1/25)s – 1/30000s
Sense Up	Off / x2 / x4 / x8 / x16 / x32
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) Support Onvif

High Dynamic Range(HDR)	Up to 100dB (by HDR mode, 2 shutter line interleave)
Privacy Masking	Off / On (4 zones)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Rotation, Overexposure Reduction
Auto Focus	One Push
EV (Exposure Value)	Adjustable
Lens distorsion correction (LDC)	Yes
Mobile Application	Integrated to LILIN mobile app (LILIN Viewer), iPhone, iPad, Android support
Video Management	ONVIF Profile S / IVS events, 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
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting
Alarm event triggers	Motion / Tamper / Audio / Alarm / Network lost detection / Smart Event/ IVS / LPR
Alarm event actions	FTP / SMTP / HTTP post / SD card / SAMBA / Alarm / SNMP Trap / Push service notification
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese
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
Detection speed	Under 50KM/h
Countries (Numeric Plate)	EU, UK, Russia ,Belgium, Bosnia, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Luxembourg, Macedonia, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Spain, Slovakia, United Kingdom, Vatican City, Slovenia, Sweden, Switzerland, Turkey, Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Latvia, Lithuania, Moldova, Turkmenistan, Ukraine, Uzbekistan
Recognition	LPR Mapping Table: 1,000 groups of incorrectly recognized license plates can be edited to correct license plates Convert text O to 0 supported Convert text 0 to O supported Percentage of number plate width over screen width adjustable (6 to 30%)
Number plate lists	Log list: 1000 , all recognized car plate will be memorized, when log is full, data will be overwritten; allowed list can manually enter: 2000; denial list can manually enter: 100; visitor list: 2000; LPR Snapshot: 100 / Each list can have individual schedule and trigger specific events. / Holiday list is supported in schedule./ Effective-hours(start time and end time) are adjustable./ Support fuzzy recognition/ Detect level is adjustable (Very weak to strong)
Angle of license plate	Up to 5 degrees
Camera installation angle	0 to 30 horizontal degrees
SDK	License plate SDK available

Database	Support Denial List, Allowed List, CSV file import and export for CSV file.
Management	Build-in database for denial and allowed lists, no need computer can operate alone
Network Interface/Ethernet	10/100 Mbps Base-T, RJ-45
ePTZ & Digital Zoom	Yes, ROI (Region of Interest)
OSD	Position configurable text overlay for date, time, camera ID, event status and watermark with customizable user demand data
CPU.Memory	Embedded SoC ARM Cortex-A9, 816MHz, 512MB DDR3L, 256MB flash memory
Network OS	Embedded Linux 3.10
Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, MQTT, QoS, SNMP V1/V2/V3, SNMP Trap and heart beat, 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 simultaneous users
Video Display	LILIN Universal ActiveX , LILIN Java Applet
Watermark	BMP logo
Log	Event & operation log & IVS event log
Schedule	Support holiday lis
Network Storage	NAS (Support SAMBA/CIFS)