

## Smart IP camera 5mp ZIP-5100LPR-AI12CP (LPR onboard)



### Features

- High quality image with 5 MP, 1/2.7" CMOS sensor
- 2880 × 1620@30 fps in the main stream
- Ultra 265, H.265, H.264, MJPEG
- Triple streams offer more choices for different clients in an integrated solution
- 12X optical zoom allows for closer viewing of subjects
- Smart intrusion prevention, supports false alarm filtering, including cross line, intrusion, enter area, leave area detection
- automatic selection of best snapshots, supports face detection masked area
- People counting, supports people flow counting and crowd density monitoring, suitable for different statistical scenarios
- Up to 120 dB optical WDR (wide dynamic range)
- Built-in heater, supports normal start-up at low temperature
- DC 12 V, PoE+ (IEEE 802.3at) power supply

### Specifications

Model	ZIP-5100LPR-AI12CP
Camera	
Sensor	1/2.7" CMOS
Min. Illumination	Color: 0.001 Lux (F1.6, AGC ON), 0 Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Illumination Distance	(IR) 100 m (328.1 ft.)

Shutter	Auto/Manual, 1 to 1/100000 s
WDR	120 dB
Adjustment Angle	Pan: 0° to 360°, Tilt: 0° to 90°, Rotate: 0° to 360°
S/N	>56 dB
<b>Lens</b>	
Focal Length	5 to 60 mm
Digital Zoom	16X
Optical Zoom	12X
Iris	F1.6
Field of View (H)	59.99° to 5.73°
Field of View (V)	35.03° to 3.39°
Field of View (D)	67.01° to 6.61°
Iris Type	DC-iris
<b>DORI</b>	
DORI Distance (Lens)	5 to 60 mm
DORI Distance (Detect)	119.3 m to 1417.5 m (391.2 ft. to 4650.6 ft.)
DORI Distance (Observe)	47.7 m to 567.0 m (156.5 ft. to 1860.2 ft.)
DORI Distance (Recognize)	23.9 m to 283.5 m (78.2 ft. to 930.1 ft.)
DORI Distance (Identify)	11.9 m to 141.8 m (39.1 ft. to 465.1 ft.)
<b>Video</b>	
Video Compression	Ultra 265, H.265, H.264, MJPEG
Video Bit Rate	128 Kbps to 16 Mbps
Smart-code	Support
ROI	Support
Video Stream	Triple streams
Privacy Mask	Up to 4 areas
OSD	Up to 10 OSDs
Frame Rate-Main Stream	5 MP (2880 × 1620), max. 30 fps
Frame Rate-Sub Stream	1080P (1920 × 1080), max. 30 fps
Frame Rate-Third Stream	D1 (720 × 576), max. 30 fps
<b>Image</b>	
White Balance	Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2
Digital Noise Reduction	2D/3D DNR
Flip	Normal, Flip vertical, Flip horizontal, 180°, 90° Clockwise, 90° Anti-clockwise
HLC	Support
BLC	Support

Smart IR	Support
Defog	Digital defog
Heatwave Reduction	Support
<b>Smart</b>	
Application scenario	Vehicle speed $\leq 190\text{km/h}$ Supports simultaneous application to entry/exit scenes
Vehicle detection mode	Video
Capture vehicle head only	Support
License plate number recognition	Supports recognition of license plates with numbers and letters by default
List configuration	Supports allowlist and blocklist configuration
<b>Audio</b>	
Audio Compression	G.711U, G.711A
Audio Bitrate	128 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	16KHZ
<b>Storage</b>	
Edge Storage	MicroSD, up to 512 GB
Network Storage	ANR, NAS (NFS)
<b>Network</b>	
Protocols	SSH, IGMP, RTP, RTCP, SMTP, IPv4, IPv6, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, SSL/TLS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T, Profile M), API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
Security	TLS 1.3, Password Protection, Strong Password, HTTPS Encryption, Export Operation Logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, WSSE and Digest Authentication for ONVIF
Client	Guard Live, Guard Station, ZetPro VMS
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+, Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+
<b>Illuminator</b>	
Illumination Distance (IR)	100 m (328.1 ft.)
IR On/Off Control	Auto/Manual
Wavelength	850 nm
<b>Interface</b>	
Audio I/O	1 Input: impedance 1 k $\Omega$ , amplitude 2.5 V [p-p], 1 Output: impedance 600 $\Omega$ , amplitude 2.5 V [p-p]
Alarm I/O	2/1
Serial Port	1 $\times$ RS485
Network	1 $\times$ RJ45 10 M/100 M Base-TX Ethernet
Video Output	1 BNC (for debugging)

General	
Power	DC 12 V ( $\pm 25\%$ ), PoE+ (IEEE 802.3at)
Power Consumption	Max. 13 W
Power Interface	$\varnothing 5.5$ mm coaxial power plug
Dimensions	354 mm $\times$ 105 mm $\times$ 98 mm (13.9" $\times$ 4.1" $\times$ 3.9") (L $\times$ W $\times$ H)
Weight	1.93 kg (4.25 lb.)
Working Environment	-40 °C to 60 °C (-40 °F to 140 °F), Humidity: $\leq 95\%$ RH (non-condensing)
Storage Environment	-40 °C to 70 °C (-40 °F to 158 °F), Humidity: $\leq 95\%$ RH (non-condensing)
Surge Protection	6 KV
Reset Button	Support
Web Client Language	21 Languages: English, Chinese, Polish, German, Ukrainian, French, Korean, Dutch, Czech, Portuguese (Europe), Portuguese (Brazil), Japanese, Thai, Turkish, Spanish (Latin America), Spanish (Europe), Hungarian, Italian, Vietnamese, Arabic, Slovak
Heater	Support

## Dimensions

