

AMX-42B4ATH/41

2MP Ultra-Low Light Outdoor License Plate Recognition Camera



The **WEC** License Plate Recognition (LPR) ultra-low light smart camera is able to capture vehicle images and recognize the vehicle number (license) plate in dim light environments. ENS SIPSL2/MZ camera offers high resolution, 120 dB WDR, auto-iris, PoE, defog, EIS, 3D DNR, IR, heater, alarm I/O, and audio I/O, etc., to meet a wide variety of applications. Vehicle direction and recognition of vehicles both approaching and leaving are included. Up to 2,048 whitelist (authorized) and blacklist (unauthorized) records can be maintained.



MODEL(S) AVAILABLE

KEY FEATURES

- ▶ 1/1.8" 2MP progressive scan CMOS image sensor
- ▶ Full HD 1080p, up to 60 fps
- ▶ EXIR distance: 165 ft (50 m)
- ▶ 120 dB WDR, BLC, EIS, ROI, 3D DNR, Defog
- ▶ IP67 ingress protection / Built-in heater
- ▶ Capture rate up to 99%
- ▶ Recognition rate up to 95%
- ▶ Built-in micro SD card slot, up to 128 GB
- ▶ 12 V DC

Product Specifications

Camera	
Image Sensor	1/1.8" 2MP progressive scan CMOS
Image Resolution	1920 (H) × 1080 (V)
Electronic Shutter	1 s ~ 1/100,000 s, supports slow shutter
Minimum Illumination	Color: 0.0027 lux @ F1.4, AGC on; 0 lux with IR
IR LEDs	N/A
IR Distance	Distance up to 165 ft (50 m)
Lens Type	Motorized
Iris Type	Auto, DC drive
Focal Length	8 mm ~ 32 mm
Angle of View	Horizontal: 42° ~ 13.5°
Max. Aperture	F1.4
Wide Dynamic Range	120 dB true WDR
Optical Zoom	N/A
Pan / Tilt / Rotation	N/A

Video Standard	
Video Compression	H.264+ / H.264 / MPEG4 / MJPEG
Smart Codec	N/A
Image Encoding	N/A
Streaming Capability	3 Streams
Video Resolution (Max.)	1080p (1920 × 1080)
Video Frame Rate	Main Stream: 1920 × 1080 @ 50/60 fps Sub Stream: 704 × 576 @ 25/30 fps Third Stream: 1920 × 1080 @ 25/30 fps
Bit Rate Control	N/A
Video Bitrate	32 Kbps ~ 16 Mbps
Day / Night	Auto / Schedule / Triggered by alarm in
BLC Mode	Yes
White Balance	Yes
Gain Control	N/A
Digital Noise Reduction	3D DNR
Motion Detection	N/A
Region of Interest	4
Electronic Image Stabilization	N/A
Defog	Yes
Mirror	Yes
Privacy Masking	Yes
Image Rotation	Yes
Live View	Simultaneous view of up to 20 channels
Target Cropping	Supported
Analog Output	Supported, CVBS (4CIF resolution)
Picture Overlay	Logo picture can be overlaid on video with 128 × 128 24-bit bmp format

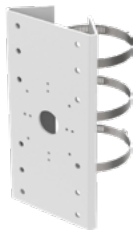
Network & Interface	
Ethernet	RJ-45 10M/100M Ethernet port
Network Protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1x, QoS, IPv6
Network Interoperability	ONVIF (profile S, profile G), ISAPI
Streaming Method	N/A
Network Max. Users	N/A

Storage	Micro SD/SDHC/SDXC Card Slot (support max. 128 GB)
Alarm Trigger	Road traffic, motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
General Functions	One-key reset, anti-flicker, three streams, heartbeat, password protection, watermark, IP address filter
Management Software	N/A
Mobile	N/A
BNC	N/A
Audio I/O	1(line/mic in)/1
Alarm I/O	1/1
Audio Compression	G.711 / G.722.1 / G.726 / MP2L2
Environment Noise Filtering	Supported
RS485	N/A
Built-in MIC	N/A
Reset Button	Yes

General	
Power Supply	12 V DC / Terminal block PoE (802.3at Class 4)
Power Consumption	< 14.5 W
Power Output	12 V DC ± 10%, ≤ 1.3 A
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F) / Less than 95% RH (non-condensing)
Heater	Supported
Ingress Protection	IP67
Casing	N/A
Dimensions	100 mm × 103.9 mm × 311.8 mm (3.94" × 4.09" × 12.28")
Weight	2075 g (4.57 lb)
Installation	N/A

License Plate Recognition Performance	
Accuracy	Capture rate up to 99% Recognition rate up to 95%
Vehicle Speed	N/A
Line Numbers	Up to four lines supported. Recommend setting 1 or 2 lines for best performance
Direction	Supports capture and recognition of vehicles both approaching and leaving
Whitelist and Blacklist	Up to 2,048

Product Accessories



ES1275ZJ-SUS



ES1276ZJ-SUS

Product Dimensions (mm [inch])

