



IB9387-LPR-V2

License Plate Recognition Camera

Embedded LPR Software • Wiegand Protocol Supported • IP67 • IK10

Technical Specifications

System Information

Model	IB9387-LPR-V2
CPU	Multimedia SoC (System-on-Chip)
Flash	1 GB
RAM	2 GB

Camera Features

Image Sensor	1/2.8" Progressive CMOS
Max. Resolution	2560x1920 (5MP)
Lens Type	Motorized, Vari-focal, Remote Focus
Focal Length	f = 3.2~10.5 mm
Aperture	F1.6 ~ F3.3
Iris Type	P-iris
Field of View	97.3° ~ 27.9° (Horizontal) 70.3° ~ 20.9° (Vertical) 131.5° ~ 34.9° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut Filter	Yes
IR Illuminators	IR LED*6
Minimum Illumination	0.06 lux @ F1.6 (Color) <0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on
Tilt Range	90°
Rotation Range	180°



Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)
Storage	Built-in 32GB MicroSD card for LPR images Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording
Built-in Installation Aids	Remote focus, remote zoom
Video	
Video Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 (WDR on) 30 fps @ 2560x1440 (WDR on)
Maximum Streams	3 simultaneous streams
S/N Ratio	60 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and constant bit rate control, Smart Stream II
Image Settings	General settings: video title and time stamp overlay, video orientation (flip, mirror, rotation), day/night settings; Illuminators: illuminators, anti-overexposure, Smart IR II; Image settings: white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, EIS, scene mode (LPC-parking lots); Exposure: BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR; Focus: zoom, focus; Privacy mask; Scheduled profile settings
Audio	
Audio Capability	Two-way audio
Audio Compression	G.711, G.726
Audio Interface	External Microphone input External line output
Network	
Users	Live viewing for up to 10 clients
Security	Access list, digest authentication, HTTPS, IEEE 802.1x, password protection, secure boot, signed firmware, Trend Micro IoT Security (brute force attack event, cyberattack event, quarantine event), user access log, user account management
Protocols	802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP/SFTP, HTTP/HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS 1.2, UDP, UPnP
Interface	10 Base-T/100 Base-TX Ethernet *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
ONVIF	Profile G, S, T supported
Solution Integration	
Embedded Software	VaxALPR
VADP Package	Trend Micro IoT Security
Alarm and Event	
Event Trigger	Audio detection, camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), digital input, manual trigger, periodical trigger, recording notification, SD card life expectancy, shock detection, system boot
Event Action	Camera: Event notification via digital output, email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card ANPR Software: Socket client, socket server, onvif event, digital output trigger, HTTP, FTP, wiegand protocol supported VaxALPR Software: FTP, JSON, XML, TCP Server, TCP client, wiegand protocol supported
General	
Connectors	RJ-45 cable connector for Network/PoE connection Audio line in Audio line out AC 24V DC 12V Digital input *2 Digital output *2 (Dry contact, Load voltage 30V AC/DC@1A max)
LED Indicator	System power and status indicator
Power Input	AC 24V, DC 12V, IEEE 802.3at PoE Class 4



Power Consumption	PoE: Max. 26W DC 12V: Max. 29.5W AC 24V: Max. 28W
Dimensions	118 x 118 x 294 mm
Weight	1.3 kg
Casing	IP66, IP67, IK10 (Metal Housing)
Certifications	EMC: CE (EN 55032 Class A, EN 55035), UKCA (BS EN 55032:2015+A11: 2020, BS EN 55035:2017+A11:2020, BS EN IEC 62368-1:2020+A11:2020), RCM (AS/NZS CISPR 32 Class A), FCC (FCC Part 15 Subpart B Class A), ICES (ICES-003 Issue 7), VCCI (VCCI-CISPR 32 Class A); Safety: UL (UL 62368-1 Ed.3), CB (IEC/EN 62368-1, EN 62471); Environment: IK10 (IEC 62262), IP66/67 (IEC 60529); IA: BIS (IS 13252, IEC 60950-1), BSMI (EMC: CNS15936)
Operating Temperature	Starting Temperature: -10°C ~ 60°C (14°F ~ 140°F) Working Temperature: -30°C ~ 60°C (-22°F ~ 140°F)
Humidity	90%
System Requirements	
Operating System	Microsoft Windows 10/8/7 Mac 10.12 (Chrome only)
Web Browser	Chrome 58.0 or above Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above
Included Accessories	
Packing Contents	Quick installation guide, alignment sticker, L-shaped wrench, screw pack, waterproof accessory pack, sunshield