



S Series

IB9387-LPR-V3 (2.7-13.5 mm) (N)

5MP License Plate Recognition
Camera



Technical Specifications

| System Information | |
|--------------------|---------------------------------|
| CPU | Multimedia SoC (System-on-Chip) |
| Flash | eMMC 8 GB |
| RAM | DDR4 2 GB |

Camera Specifications

| | |
|-------------------------------|---|
| Image Sensor | 1/2.8" Progressive CMOS |
| Max. Resolution | 2560x1920 (5MP) |
| Lens Type | Motorized, Vari-focal, Remote Focus |
| Focal Length | f = 2.7 ~ 13.5 mm |
| Aperture | F1.83(W) ~ F3.32(T) |
| Iris Type | P-iris |
| Field of View | 100.1° ~ 29.9° (Horizontal) 71.8° ~ 22.4° (Vertical) 135.2° ~ 37.4° (Diagonal) |
| Shutter Time | 1/5 sec. to 1/32,000 sec. |
| WDR Technology | WDR Pro |
| Day/Night | Yes |
| Removable IR-cut filter | Yes |
| Illuminators | Built-in IR illuminators, IR LED*4 (50IRE) |
| Minimum Illumination | 0.04 lux @ F1.8 (Color) <0.005 lux @ F1.8 (B/W) 0 lux with IR illumination on |
| Pan Range | ±180° |
| Tilt Range | 90° |
| Rotation Range | ±180° |
| Pan/Tilt/Zoom Functionalities | ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in) |
| Storage | Seamless Recording to MicroSD/SDHC/SDXC card (1TB Capacity Supported) and recording to network-attached storage (NAS) |
| Built-in Installation Aids | Remote focus, remote zoom, Micro USB* , pixel calculator *Requires Wi-Fi dongle and Micro B converter |

| Video | |
|--------------------|--|
| Compression | H.265, H.264, MJPEG |
| Maximum Frame Rate | 30 fps @ 2560x1920 (WDR Pro on) 30 fps @ 2560x1440 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off) |
| Maximum Streams | 3 video streams (Up to 8 configurable profiles) |
| Main Stream | 30fps @ 2560x1920, 1600x1200, 1280x960, 640x480 (4:3); 30fps @ 2560x1440, 1920x1080, 1600x904, 1280x720,1360x768, 640x360 (16:9) 60 fps @ 1920x1080, 1600x904, 1360x768, 1280x720, 640x360 (16:9) |
| 3rd Stream | 30fps @ 1280x960, 640x480 (4:3); 30 fps @ 1280x720, 640x360 (16:9); 60 fps @ 1280x720, 640x360 (16:9) |
| 2nd Stream | 30fps @ 2560x1920, 1600x1200, 1280x960, 640x480 (4:3); 30fps @ 2560x1440, 1920x1080, 1600x904, 1280x720,1360x768, 640x360 (16:9) 60 fps @ 1920x1080, 1600x904, 1360x768, 1280x720, 640x360 (16:9) |
| S/N Ratio | 70 dB |
| Dynamic Range | 120 dB |
| Video Streaming | Adjustable resolution, quality and constrained bit rate control, Smart Stream III |
| Image Settings | <p>General settings video title and time stamp overlay, video orientation (flip, mirror, rotation), day/night settings</p> <p>Illuminators illuminators, anti-overexposure, VCA-based Smart IR III</p> <p>Image settings white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, EIS (built-in gyro sensor), scene mode (LPC-parking lot)</p> <p>Exposure BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR</p> <p>Focus zoom, focus</p> <p>Privacy mask pixel calculator Scheduled profile settings</p> |

| Audio | |
|------------------|---|
| Audio Capability | Two-way audio (Full duplex) |
| Compression | G.711, G.726, MPEG-2 AAC-LC |
| Interface | External microphone input External line output |

| Network | |
|-----------|---|
| Users | Live viewing for up to 10 clients |
| Security | Access list, Account block, Audit log, Configurable password strength protection, CSRF protection, Digest authentication, HTTPS, IEEE 802.1x, Secure boot, Session timeout, 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 1.2/1.3, 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, specification available at www.onvif.org |

| AI Analytics | |
|------------------------------------|--|
| Compute Capability | SoC with built-in hardware deep learning accelerator |
| Application available with license | VIVOTEK ANPR |

| Solution Integration | |
|----------------------|--------------------------|
| Embedded Software | VIVOTEK ANPR Gen 2 |
| VADP Package | Trend Micro IoT Security |

| Alarm and Event | |
|-----------------|---|
| Event Trigger | <p>Camera: Audio detection, camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), digital input, manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, shock detection, system boot</p> <p>ANPR Software: Socket client, socket server, ONVIF event, digital output trigger, HTTP, FTP, Wiegand protocol supported</p> |
| Event Action | <p>Event notification via audio clip, camera link, digital output, email, HTTP, FTP/SFTP, NAS server, SD card</p> <p>File upload via email, HTTP, FTP/SFTP, NAS server, SD card</p> |

| General | |
|-----------------------|--|
| Connectors | <p>Default IO</p> <p>RJ-45 cable connector for 10/100 Mbps PoE network connection</p> <p>Audio line input</p> <p>Audio line output</p> <p>DC 12V power input</p> <p>AC 24V power input</p> <p>Digital input*2</p> <p>Digital output*2 (DO+: 12V, 50mA ; DO-: 30V, Open Drain, 1A)</p> <p>Micro USB</p> |
| LED Indicator | System power and status indicator |
| Power Input | AC 24V*, DC 12V, IEEE 802.3af PoE Class 0 (Power Redundancy) |
| Power Consumption | <p>PoE: Max. 12.95W/ 10.55W (IR on/off)</p> <p>DC 12V: Max. 14.4W/ 12.0W (IR on/off)</p> <p>AC 24V*: Max. 12W/ 9.6W (IR on/off)</p> |
| Dimensions | ø 153 x 285.7 mm |
| Weight | 2.09 kg |
| Certifications | <p>EMC CE (EN 55032/EN 55035 Class A, EN 50121-4), FCC (FCC Part 15 Subpart B Class A), UKCA (BS EN 55032/BS EN 55035 Class A), RCM (AS/NZS CISPR 32 Class A), VCCI (VCCI-CISPR 32 Class A), IC (ICES-003 Issue 7)</p> <p>Safety UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471), LVD, (EN 62368-1), UKCA (BS EN IEC 62368-1)</p> <p>Environment IK10 (IEC 62262), IP66/67 (IEC 60529), NEMA (NEMA 250 Type 4X), IEC 60068-2-11</p> <p>IA BIS (IS 13252), BSMI (EMC: CNS 13438, Safety: CNS 14336-1)</p> |
| Operating Temperature | <p>Starting Temperature: -30°C ~ 60°C (-22°F ~ 140°F)</p> <p>Working Temperature: -40°C ~ 60°C (-40°F ~ 140°F) (IR off) -40°C ~ 50°C (-40°F ~ 122°F) (IR on)</p> |
| Humidity | 98% RH (non-condensing) |

| System Requirements | |
|---------------------|--|
| Operating System | <p>Microsoft Windows 10/8/7</p> <p>Mac 10.12 (Chrome only)</p> |
| Web Browser | <p>Chrome 58.0 or above</p> <p>Internet Explorer 11</p> |
| Other Players | VLC: 1.1.11 or above |

Included Accessories

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| Packing Contents | Quick installation guide, product labels, alignment sticker, L-shaped wrench, screw pack, waterproof accessory pack, sunshield, adapting plate, conduit bracket, I/O cable |
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DORI (EN 62676-4 Standard)

| | |
|--------------------------------|---|
| Detection (25PPM/ 8PPF) | Wide: 64.4 m (211.2 ft) Tele: 196.6 m (645.2 ft) |
| Observation (63PPM/ 19PPF) | Wide: 25.7 m (84.4 ft) Tele: 78.7 m (258.1 ft) |
| Recognition (125PPM/ 38PPF) | Wide: 12.8 m (42.1 ft) Tele: 39.3 m (129.0 ft) |
| Identification (250PPM/ 76PPF) | Wide: 6.4 m (20.9 ft) Tele: 19.6 m (64.5 ft) |