

# LPR Bullet Camera

4MP bullet camera with pre-installed Vaxtor LPR software



The **LPR Bullet Camera** from March Networks® delivers high image quality, combined with built-in IR illumination, allowing you to discern objects in the dark from over 65 feet (20 meters) away. The housing is weather-resistant and vandal-proof, rated for severe outdoor conditions and extreme temperatures.

March Networks LPR Bullet camera is powered by the Vaxtor LPR Application. Vaxtor is the world's leading LPR software manufacturer, supporting license plate identification globally. Vaxtor supports plates from over 100 countries and can identify MMC (make, model, and color) from 680 car manufacturers and 7,250 models .

This LPR camera delivers superior video quality with highly accurate license plate recognition software from Vaxtor, resulting in faster, more accurate data and alerts, when combined with Business Intelligence tools like Smart Rules and Searchlight Cloud.

## Key Benefits

- ▼ **Vaxtor License Plate Recognition (LPR).** The March Networks LPR Bullet Camera, featuring Vaxtor's industry-leading LPR software, captures license plates from over 100 countries and identifies vehicles' make, model, and color from 680 manufacturers and 7,250 models. This real-time data, combined with Smart Rules and the Searchlight Cloud Drive-Thru Dashboard, streamlines operations, reduces wait times and improves customer satisfaction.
- ▼ **Smart IR Illumination.** The built-in LEDs provide uniform illumination in total darkness, which means users will see high-quality, low-noise video from over 65 feet (20 meters) away. Additionally, the camera automatically adjusts the intensity of the LEDs to compensate for the distance of an object, so the object is not overexposed when it gets too close to the camera.
- ▼ **Rugged housing.** The IK10, vandal-resistant design withstands impact on the body of the housing, and the IP66/67 rating protects the camera from dust and water intrusion.

*Smarten Up Your Surveillance  
with License Plate Recognition*

# LPR Bullet Camera

| CAMERA                   |   |
|--------------------------|---|
| Image Sensor             | 1/2.8" CMOS   |
| Effective Pixels         | 5MP; 2560x1920  |
| High Dynamic Range(HDR)  | 120 dB  |
| S/N Ratio                | 60 dB   |
| Day/Night                | Automatic IR cut filter   |
| IR Wavelength            | 850 nm  |
| IR Illumination Distance | 20 m (65.61 ft)   |
| Shutter Speed            | 1/5 sec. to 1/32,000 sec  |
| Camera Angle Adjustment  | 4.4X Optical Zoom, Digital PTZ via Command  |
| White Balance            | Manual/Automatic  |
| LENS                     |   |
| Optical Zoom             | 3.2X  |
| Lens                     | 3.2 – 10.5 mm, F1.6, P-Iris   |
| Field of View            | H = 97.3° - 27.9°, V = 70.3° - 20.9°, D = 131.5° - 34.9°  |
| VIDEO                    |   |
| Video Compression        | H.265, H.264, MJPEG   |
| Resolution               | 4MP Mode: 2560X1440, 1920X1080, 1600X904, 1360X768, 1280x720, 640x360<br>5MP Mode: 2560x1920, 1600x1200, 1289x960, 640x480  |
| Frame Rate               | Up to 30 fps @ 4/5MP  |
| Streaming                | Up to three individually configurable streams in H.265, H.264, MJPEG<br>Configurable resolution/Smart FPS, Smart Codec, Constrained or Fixed bit rate modes available   |
| Image Settings           | General Settings: video title and time stamp overlay, video orientation (flip, mirror, rotation), day/night settings<br>Illuminators: illuminators, anti-overexposure, Smart IR II<br>Image Settings: white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, EIS, scene mode (LPC-parking lots)<br>Exposure: BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR<br>Focus: zoom, focus; privacy mask; scheduled profile settings |
| AUDIO                    |   |
| Audio Streaming          | Full Duplex (Two-way), stereo   |
| Audio Compression        | G.711, G.726  |
| Audio Input/Output       | External microphone input; external line output   |
| OPERATIONAL              |   |
| Pan/Tilt/Zoom            | ePTZ: 48x digital zoom (4x on browser plug-in, 12x built-in)  |
| NETWORK                  |   |
| 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  |
| Supported 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   |
| SYSTEM INTEGRATION       |   |
| Video Analytics          | Vaxtor® LPR   |
| Country plates           | Selection of preferred countries  |
| Alarm 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   |
| Alarm Events             | Black and white list notifications (user-defined)   |

|                           |                  |
|---------------------------|------------------|
| North America             | 1 800 563 5564   |
| Latin America             | +5255 5259 9511  |
| Europe                    | +39 0362 17935   |
| Asia                      | +65 6818 0963    |
| Australia and New Zealand | +61 1300 089 419 |
| Middle East and Africa    | +971 4 399 5525  |

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| ELECTRICAL        |  |
|-------------------|--|
| Power             | 12 Vdc 2.46 A; 24 Vac 50/60 Hz 1.86 A;<br>42.5-57 Vdc 0.59-0.44 A (PoE 802.3at, Class 4) |
| Power Consumption | 12 Vdc max. 29.5 W; 24 Vac max. 28 W; PoE max. 26 W                                      |

| PHYSICAL               |   |
|------------------------|---|
| Construction           | Metal housing   |
| Dimensions (L x W x H) | 327 mm (12.88 in) x 117 mm (4.6 in) x 117 mm (4.6 in) |
| Weight                 | 1.3 kg (2.86 lb)                                      |

| ENVIRONMENTAL         |   |
|-----------------------|---|
| Operating Temperature | -30 °C to +50 °C (-22 °F to +122 °F) – IR Off<br>-40 °C to +50 °C (-40 °F to +122 °F) – IR On |

|                           |                           |
|---------------------------|---------------------------|
| Humidity                  | 10-90% RH, non-condensing |
| Ingress Protection Rating | IP66/67                   |
| Impact Rating             | IK10                      |

|                |  |
|----------------|--|
| 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)<br>Safety: UL (UL 62368-1 Ed.3), CB (IEC/EN 62368-1, EN 62471)<br>Environment: IK10 (IEC 62262), IP66/67 (IEC 60529)<br>IA: BIS (IS 13252, IEC 60950-1), BSMI (EMC: CNS15936) |
|----------------|--|

| USER CONNECTIONS |   |
|------------------|---|
| Alarm            | Digital input *2; Digital output *2 (Dry contact, Load voltage 30V AC/ DC, Load current 1A max) |
| Audio            | Audio line in; Audio line out   |
| Ethernet         | RJ45 10/100 Base-T  |
| Power            | AC 24 V DC 12 V Digital input AC Terminal Block/RJ-45 PoE                                       |

| GENERAL              |  |
|----------------------|--|
| Local Storage        | Built-in 32GB MicroSD card for LPR images Slot type: MicroSD/ SDHC/SDXC card slot Seamless Recording           |
| LED Indicator        | System power and status indicator  |
| Included Accessories | Quick installation guide, alignment sticker, L-shaped wrench, screw pack, waterproof accessory pack, sunshield |

| REGULATORY         |   |
|--------------------|---|
| Regulatory Model   | C4601A  |
| Safety             | UL 62368-1, CSA 62368-1, IEC/EN 62368-1   |
| Emissions          | EN 55032, EN61000-3-2, EN61000-3-3, FCC Part 15, Subpart B, ICES-003, CISPR 32, AS/ NZS CISPR 32, EN55035 |
| Environmental      | RoHS, WEEE  |
| Compliance Marking | CE, cULus, RCM, WEEE, UKCA, NOM   |

| ORDERING INFORMATION |           |
|----------------------|-----------|
| CAMERA               |           |
| LPR Bullet Camera    | 42045-101 |

| 5-year warranty:   |  |
|--|--|
| • Option for Advance Replacement or Repair & Return.                               |  |
| • No need to issue a PO prior to receiving the replacement.                        |  |
| • March Networks incurs all shipping costs — both ways — for Advance Replacements. |  |

