

SmartLPR-A Bollard

Powerful All-In-One LPR Camera for Vehicle Access Management and Control



The SmartLPR camera is optimized for multi-ranged LPR applications such as:

- Car Wash
- Parking garages
- Gated communities
- Airports
- Hospitals
- Mixed use lots
- Vehicle access control
- Free-flow, Gateless applications
- Industrial Applications
- And many more...

High Quality Imaging:

The SmartLPR camera delivers exceptional performance for LPR applications in a wide variety of verticals. The bollard housing makes it easier to install than ever. It's integrated HD sensor captures high-resolution images, ensuring accurate recognition of license plates under challenging conditions, including plates with non-standard formats and/or stacked characters. Equipped with dual lamp technology (IR and visible light), the camera provides crisp and clear plate images 24/7 regardless of lighting or weather conditions.

KEY FEATURES:

- Supports PoE+ and redundant DC power
- Onboard relay to vend gates
- Read plates as close as 5 feet*
- Supports Make, Model, Color Vehicle Identification (MMC)
- Free-Running, Software and Hardware trigger
- Powerful on-board LPR processing
- Built-in Infra-Red illuminator (850nm)
- Built-in Cool White illuminator (5700K)

Powerful onboard OCR Recognition Engine utilizing deep learning:

The SmartLPR camera features AI-powered onboard processing, eliminating the need for extra external hardware. The camera uses our latest advances in deep learning. Powered by a robust multi-core processing platform and running on a stable Linux-based OS, the camera ensures reliability and consistent performance in demanding environments.

Part No. Information: 07001603

Smart LPR-A PoE+
5-33 ft range
(IR) or White Light

Technical Information

License Plate Recognition

Recognition Distance	: From 5 ft to 33 ft
Coverage Width	: Up to 18 ft
Recognition Engine	: TagMaster AI Powered Engine - a Linux based embedded real-time AI
Recognition Framerate	: 120 fps with WDR
Recognition Direction	: Both (Front and rear)
Max Vehicle Speed	: Up to 20mph
Triggering	: Free running (no trigger) – Software Trigger – Hardware Trigger

Video and Illumination Features

Lighting	: IR LEDs (850nm) + Cool White (5700K)
CMOS	: HD 2.13MPixels 1/2.8" sensor
Transport Protocol	: HTTP and FTP

Electrical Characteristics

Power Supply	: 12-24V DC, or Power Over Ethernet (recommended PoE+, IEEE 802.3at)
Power Consumption	: Average 10W Max 20W

Mechanical Characteristics

Weight	: 26lbs
Dimensions	: 24.5 x 8 x 8 inches (H x W x L)
Material	: Aluminum
Coating	: Cabinet RAL 9016 (Textured) Visor: RV 7016 (Textured)
Water & Dust Protection	: IP65 functional zone/IP56/Type 3R full enclosure
Connectors	: RJ45 Ethernet connector, Power Connector, I/O Connector
Operating & Storage Temperature	: -22°F to +122°F, 0%-95% Relative Humidity

Security, Environmental and Technical Certifications

Security	: HTTPS, SFTP
Photobiological Safety	: Risk group 2 (IEC 62471:2009)
Homologation	: EN 55032:2016 Electromagnetic compatability - Emission Requirements EN 55035:2017 Electromagnetic compatability - Immunity Requirements IEC 61000 Electromagnetic compatability IEC 62368-3:2017 Audio/video, information and communication EN 60950-22:2017 Information Technology Equipment - Safety Ipart 22: Equipment to be installed outdoors IEC 60068-2-1:2007- Test A: Cold. IEC 60068-2-1:2008- Test B: Dry Heat IEC 60068-2-14:2011- Test N: Change of Temperature 2002/95/EC, 2011/65/EU, 2015/863, RoHS/RoHS2/RoHS3
Time Synchronization	: NTP protocol

Data Input and Output

TCP/IP	: Yes
HTTP	: Yes
FTP	: Yes
Ethernet	: 10/100/1000Mbps Ethernet interface, PoE++
Input	: 2x 5-30V input port with fail-safe 5V pull-up
Output	: 2 relay dry contact
Other Protocols	: 1x open collector with 5V pull up (50V Max)

**The information in this document is subject to change without prior notice. Read ranges based on specific site set up.*