

SmartLPR-C

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 2.13MP sensor provides detailed images of passing license plates. The high resolution enables the capture of the most challenging plates. It supports both Color and IR images capture using IR or White Light. The camera has an AI-powered recognition engine, leveraging cutting-edge deep learning technology to process HD video directly within the device.

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: 07001653

Smart LPR-C 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	: 5.29lbs
Dimensions	: 5.8 x 5.8 x 9 inches (H x W x L) - (incl. sunshield)
Material	: Aluminum
Coating	: Black cover and body: RAL 9016 (Textured) Visor: RV 7016 (Textured)
Water & Dust Protection	: IP67
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.*