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 bollard housing makes it easier to install than ever. It's integrated HD senor 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*
- 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++
Wiegand	:	Built-in support for Wiegand
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.   02/2025