



V5 Portable LPR Security Unit (V5 PSU - LPR)

THE MOST ADVANCED SELF-POWERED LICENSE PLATE READER

Rapidly deploy pre-configured, self-contained, LPR units to any outdoor environment or cost-prohibitive area without being tied to the electrical grid. V5 PSU - LPRs are powered with a combination of battery and solar technology. Gain immediate insight with license plate identification and real-time alerts.

BENEFITS:

Fast Deployment

- Compact turnkey solution
- Effortless setup

Lower Expenses

- No trenching
- 2-year warranty included

Increase Awareness

- Receive real-time alerts
- Less risk exposure
- Reduce crime
- Deter criminals

LICENSE PLATE RECOGNITION AND ALERTS DEPLOYABLE IN UNDER 30 MINUTES

100% Self-Powered

- Get ongoing power with a combination of proprietary bullet-resistant V5 solar panels and battery/power management system

Computing

- Ability to create license plate number lists and upload 3rd party databases
- Alerts sent within seconds when subject license plate number has been detected
- Captures data for vehicle at a max speed of 35 mph / 55 km/hr
- Works in day or night condition

Software & Alerts

- Includes V5 Systems VMS (Video Management System) for desktops, tablets and Android/iOS phones
- Software captures image, license plate number, date, time & location
- Role-based access control
- High definition history view by date, time, location, complete and partial license plate number
- Downloadable views

Wireless Communications

- Get the convenience of outdoor Wi-Fi, cellular or radio frequency

V5 System's Portable LPR Security Unit (V5 PSU - LPR) is the world's first wireless, portable LPR security solution. The revolutionary power system consists of 1 kilowatt of onboard battery power and can be powered by lightweight, bullet-resistant V5 solar panels.

This intelligent device has onboard computing with built-in software that automatically captures the license plate in real-time on still or moving vehicles, compares or adds it to a pre-defined list and sends real-time alerts. This LPR solution is best for ingress/egress areas, parking lots, garages and areas where max speed of the vehicle is under 35 mph / 55 km/hr.

V5 PSU - LPRs are compact and weigh less than 25 pounds, enabling rapid

Where to buy?
Visit our website:
www.v5systems.us

Questions?
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deployment and re-deployment. The V5 PSU - LPR can be configured and installed in under 30 minutes, all packaged in a ruggedized enclosure for deployment in any outdoor environment without the need for trenching and permits.

Depending on surrounding light, the solution may require IR-light or additional light sources for optimal performance.

The camera should be mounted between 10-12 feet high. The less of an angle to the target license plate recording zone, the more camera performance is optimized. It can also capture plates on slowly moving vehicles and vehicles that are completely stopped.

- This camera is a high-contrast, black & white camera designed ONLY to capture license plates, not video.
- It is NOT designed to provide a wide angle, color overview image.
- It should be mounted no greater than 60 ft. away from target vehicles.
- The vari-focal lens should be “zoomed in” to the bumper level of the target vehicles approximately 6-16 ft across.

V5 PSU-LPR Unit Configurations

Part Number	Communications	Focal Length
VPSUNLPR50CV5	WiFi and Cellular	f50mm
VPSUNLPR25CV5	WiFi and Cellular	f25mm
VPSUNLPR16CV5	WiFi and Cellular	f16mm
VPSUNLPR35CV5	WiFi and Cellular	f35mm
VPSUNLPR50V5	WiFi	f50mm
VPSUNLPR25V5	WiFi	f25mm
VPSUNLPR16V5	WiFi	f16mm
VPSUNLPR35V5	WiFi	f35mm

Camera Sensor Specs

Image sensor..... 1/1.8" Cmos from e2v, also available as color version (bayer filter)
 Resolution 720p HD, 1280(h) x 1024(v) active pixel, sxga
 Pixel Size 5.3(H) μM X 5.3(V) μM
 Shutter High-speed: 21 μS.
 Low-speed: up to 1,35 s adjustable integration time
 Integration Global shutter
 Frame rate 63 fps
 Acquisition Program-controlled or external high-speed trigger, full frame & partial scanning (roi), jitterfree acquisition
 Mode..... Day and night

Physical Specs

Enclosure..... IP66
 Dimensions..... 24" L x 14" W x 8" D
 Weight..... 29.05 lbs.
 Bracket Weight..... 3.1 lbs.
 Solar Panel Dimensions..... 38.6" L x 22.6" W x 0.28" D (X2)
 Solar Panel Weight..... 7.6 lbs. (X2)

General

Processor..... Dual-core arm cortex a-9 with 2 x 866 mhz and integrated fpga
 Ram..... 512 mb ddr-sdram
 Flash eeprom..... 16 gb flash memory (nonvolatile)
 Dig. I/os..... 4 inputs, 4 outputs
 Operating conditions..... -32° ~ 149° F
 Storage conditions..... -32° ~ 203° F
 Included accessories..... mounting bracket (can be mounted on any sandard pole size)
 Video management system..... v5 systems vms
 Warranty..... v5 systems 2 years warranty and v5 systems extended warranty

Network Security

Data and Communication..... Proprietary V5 encryption using 2K RSA keys (2048 bits) with overall encryption using AES 256 (256 bit keys). SSL encryption for UI access.

Physical..... Physical locks, GPS tracking system for live location reporting, shock / motion sensor against any unauthorized/unscheduled movement of the units.



- Includes 2 Year Warranty
- RSA-2048 Keys, AES-256 encryption

