MOBILE LICENSE PLATE RECOGNITION

INDUSTRY:SECURITY
LOCATION:ST. PETERSBURG, FL (USA)

BACKGROUND

Modern law enforcement professionals seek real-time information to solve or even prevent crimes at large events. One newer tool that is gaining in popularity is the License Plate Recognition system (LPR). LPR systems allow a law enforcement agency to conduct surveillance on potential suspects and monitor for suspicious activity at a fraction of the cost of using staff, saving the agency significant funds and freeing up resources for other preventative measures.

THE CHALLENGE

The typical mobile LPR system consists of at least one high-end Pant-Tilt-Zoom (PTZ) camera with power requirements approaching 60 watts. Depending on the application, this camera may also need a heater or blower system and an IR light source. In addition, the typical mobile LPR system will have a solar panel and battery for power that will operate at either 12VDC or 24VDC. There is also a requirement for industrial-grade networking equipment to allow for a local connection to various devices, plus a WAN connection to send the LPR data for analysis.

Since most IP cameras run off of PoE, there is a requirement to get from the 12VDC & 24VDC available from the solar battery to the 48VDC to 56VDC required for the PoE input. This is where Antaira's expertise comes into play. Antaira is the leader in industrial-grade PoE networking solutions and has a number of PoE switches and injectors that can operate from 12/24VDC and inject

PoE+/PoE++ compliant power to the camera, saving the customer from having to install a DC-DC converter or an inverter.

THE SOLUTION

The INJ-0200G-60-24-T is IEEE 802.3bt Type 3 and is capable of providing up to 60 Watts of power to tail end devices. This device has a redundant power input design of 12VDC to 36VDC. These units are IP30 rated, DIN-rail mountable, and operate in extended temperatures (-40C to 75C) in rugged application environments.

"I can say that it is very apparent that your switches are, bottom-line, one of the most reliable pieces of hardware we've ever worked with, regardless of model. I'm not sure if we've ever had a hardware failure in the field."
- Systems Engineer from leading public safety industry for LPR systems

ANTAIRA'S PRODUCT SOLUTION

INJ-0200G-60-24-T
Industrial 802.3bt Gigabit 4PPoE Injector

- IEEE 802.3af/at/bt 60 Watts compliant
- 12-24 VDC 30 Watts on PoE port/ 24-48 VDC 60 Watts on PoE port
- Allows for a power input of 12-48 VDC
- Wide Operating Temperature
- IP30 Protection