

Utility Security and Surveillance

Key Benefits

- Turnkey PoE Video Solution
- Direct Powered or Solar Powered
- Multiple Monitoring Center Support
- LTE or Ethernet IP WAN
- VPN IPsec – Security
- PoE – Four Ports – 60W Total
- No PoE Injectors Needed
- Fixed or Temporary Deployment

Turnkey PoE Video Solution for Utility Facilities

The Challenge

A key challenge for Utility Companies is ensuring the safety and security of their employees and assets. Video Surveillance has become mission critical for utility networks; securing and monitoring generators, power plants, sub-stations, and the power GRID. Video Surveillance provides enhanced operations and maintenance capabilities at remote solar and wind farm sites, protection of portable assets such as generators, and micro sub-stations. Closed Circuit TV (CCTV) is out and Wireless Video Surveillance is in. The challenge is how do you power a fleet of remote wireless IP video cameras?

The Solution

The Encore Networks turnkey video surveillance solution uses a weather proof NEMA 4X enclosure, back-up batteries and IP video cameras. It's extremely portable, has flexible powering options, is easily deployed and operates in a wide range of temperatures and harsh environments. The solution consists of the EN-4000™ Broadband Router with embedded Power over Ethernet (PoE) ports, supplying electrical power to up to four video IP cameras. The Encore surveillance solution can be powered by an existing power source or powered by a combination of a solar panels and batteries. Both powering options can be configured with additional back-up batteries to ensure 100% uptime and continued monitoring. For locations where there is no power or it is unfeasible to install, a solar power solution or portal lightweight Lithium Iron Phosphate (LiFePo4) Battery Pack solution will provide over 24 hours of uninterrupted power on a single charge.

The EN-4000™ can provide power to up to four (4) PoE powered IP Video cameras, without the need for external power injectors. Management and control of the EN-4000™ PoE ports enables remote control and resetting of camera ports. The EN-4000™ can transmit video back to multiple monitoring centers using secure encrypted VPN over a broadband LTE cellular or an Ethernet IP based WAN connection.

Encore Networks Powered by VORP Energy

