



PoE Series

Stability and Efficiency in IP Surveillance Networks

Industrial PoE Managed Switch

Boost and Regulated for PoE Output to stabilize PoE device

Advanced PoE Management—Auto Test & Auto Reset PD, Scheduling

SmartView™ Management System

SmartConfig™ Tool for Quick & Easy Setting

μ-Ring, Sub-Ring, μ-Chain for Flexible Redundancy

5-Ring, 250 nodes expansion

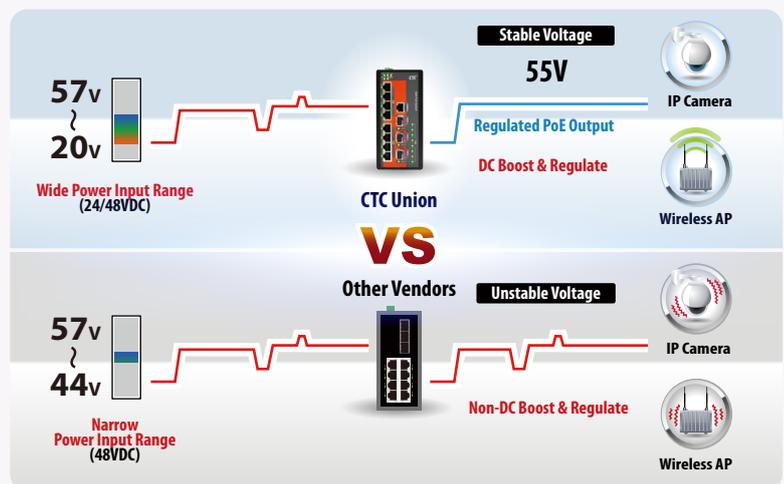
Recovery Time < 10ms



PoE (Power over Ethernet) capability enables PD devices such as surveillance cameras or wireless access points to be powered over standard twisted-pair Ethernet cable, eliminating the needs for requiring external power for PD devices. CTC Union provides a variety of PoE products, ranging from injectors, converters to managed switches to fulfill different application needs. All industrial PoE models are fanless and designed in robust IP30 housings that make them ideal for din rail installation or wall mounting. Additionally, PoE models all support IEEE 802.3af/802.3at standards which are able to provide up to 30W (use 50VDC or above input voltage) power supply per port. With power boost and regulation technology, PoE devices can offer 24~48V input range to provide the required 55V PoE output voltage for IEEE 802.3at.

High efficiency boost technology for PoE

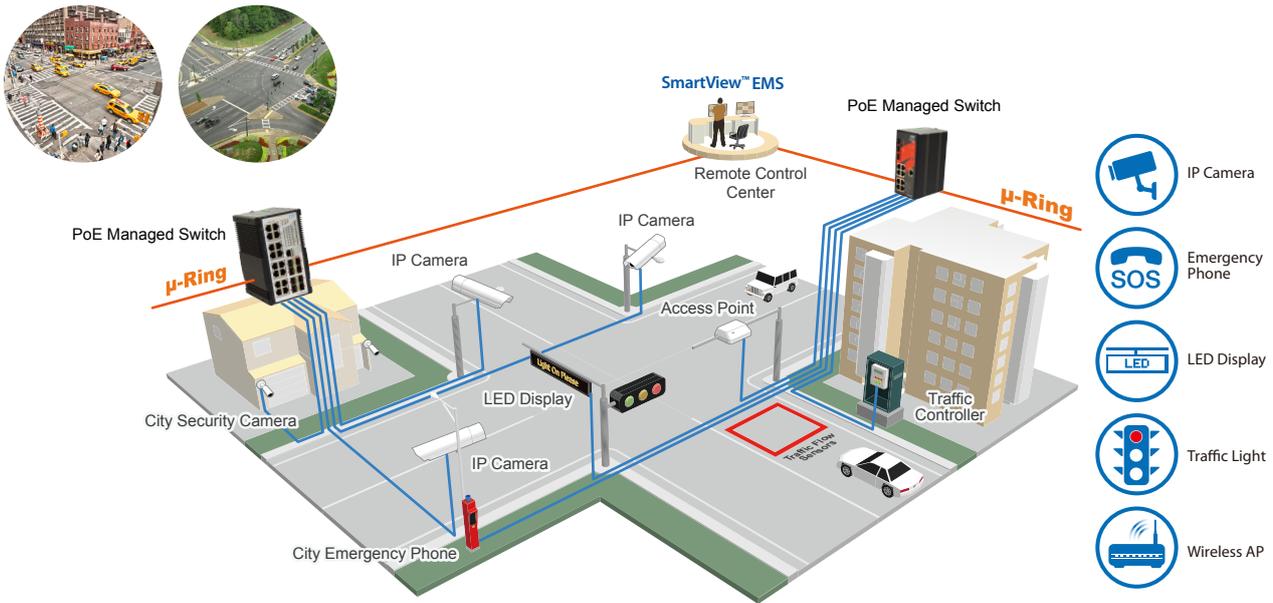
- Regulated PoE output voltage (55VDC) to stabilize PoE device
- Guaranteed delivery of PoE power distance to 100 meter
- Wide range input power 24/48VDC (20~57VDC)
- Built-in very high efficiency (94~97%) to boost PoE output voltage



Application

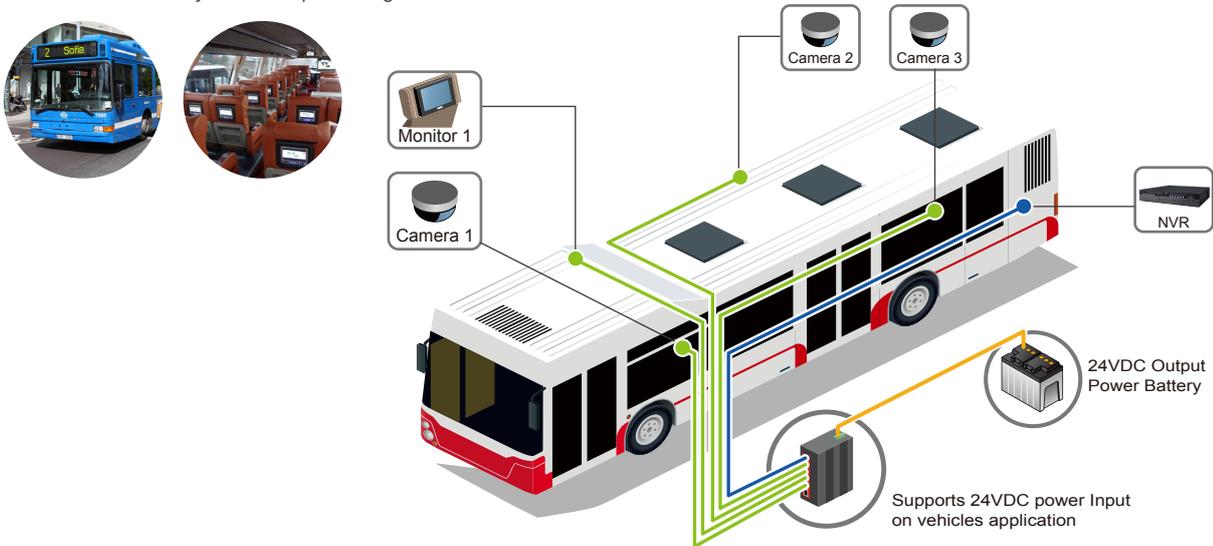
Intersection Monitoring System

"Smart City" includes intersection monitoring. Our hardened and manageable PoE switches can streamline deployment in this and other applications when all connecting devices (IP Cameras, IP Phones, Access Points and digital signage) are PoE enabled devices.



Bus Surveillance System

IEEE 802.3af/at PoE is required to supply a minimum of 48VDC to connected PD devices. The dilemma for many industrial grade PoE switches deployed in ITS is that commercial vehicles typically have only 24VDC available. This is not a problem for CTC Union PoE switches which include a voltage "boost" circuit. Our switches are able to provide a constant, regulated DC output of 55VDC to ensure stable operations of connected PD devices with only 24VDC input voltage.



Remote PD Auto Test & Reset

- PoE PD failure auto checking, and auto reset when PD fail.
- The feature helps to reduce operational expenses.

