VOLKTEK
let's connect

▶ Project Introduction

Located at Pattaya Thailand, one of the most famous tourist city in Southeast Asia, each year are over 8 Million tourist visiting the city, which make city security of safety even more critical than before. Pattaya government are increasing the security level, with expanding the surveillance System, Centralize Management, 24/7 operation, and implementing more than 1400 cameras, at the beach side and public area surveillance, determining to become the safety city than ever.

To provide the total solution, installing Volktek Industrial grade PoE switch INS-8648P, with high PoE budget up to 30w power per port, IP30 aluminum fan less design, able to enduring the high humidity with temperature up to 75℃. Along the beach side street, each lamp cabinet are using INS-8648P connecting to two cameras and the AP device, providing the power and management control to the cameras and the AP device, allowing to enhance the security purpose and also with free WiFi service to the city.

▶ System Requirement

- High PoE power for outdoor PoE Cameras & Wireless Access Points.
- Long transmission distance via Gigabit fiber
- Sustain in wide range temperature and high humidity
- Provide reliable networking services with zero downtime
- Compact size with DIN-Rail for easy installation and effortless maintenance
- Network segment by VLAN and IGMP supported for smoothly video stream
- Easy network management and remotely control

▶ Volktek's Solution

- Provide 8 ports 10/100/1000Base-T PoE+ with PoE power budget up to 240W
- Futureproof for any system improvement
- Rugged mechanical design with fanless design
- Wide operating temperature from -40℃ to 75℃, and sustain in high humidity up to 95%
- Full layer 2 functions with IGMP snooping, VLAN, QoS, SNMPv1/v2/v3
- Build in with intelligent PoE which allows zero-touch maintenance
- Robust performance under competitive pricing

▶ System Description

The system integrator chose Volktek's INS-8648P equipped with 8 port 10/100/1000Base-T and 4 Gigabit SFP slots that are PoE plus compliant. , all PoE ports are used to power on the outdoor 2 PoE cameras and 1PoE Wi-Fi AP, PoE Extender was used to deploy PoE cameras in longer distance (more than 100m). The video stream is stored by NVR and delivers to the sector switch in Administration Building (Control Room) for live surveillance.

Power + Data	PoE
1000 Mbps Fiber	
RJ-45	

Cabinet

PoE Wi-Fi AP INS-8648P

Cabinet

PoE Wi-Fi AP INS-8648P

Cabinet

PoE Wi-Fi AP INS-8648P

Control Center

MEN-9632