

## Moxa Delivers a Complete Wide Temperature Surveillance System

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**Location / Country :**Hungary

### **Product Solutions:**

[EDS-305/308 Series](#)

5 and 8-port unmanaged Ethernet switches

[ioLogik E1212](#)

Ethernet Remote I/O with 2-port Ethernet switch, 8 DIs, and 8 DIOs

[VPort 351](#)

Full motion, 1-channel MJPEG/MPEG4 industrial video encoder

### **Introduction**

Project Introduction

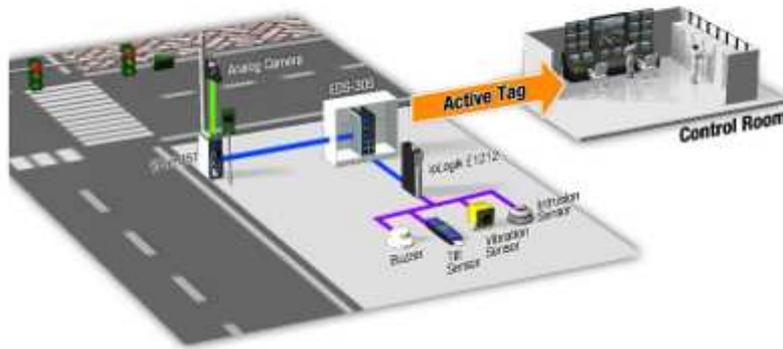
This system integrator is a leading global security company that provides fully-integrated, electronic security systems for large commercial clients and institutions. With offices in over 90 countries, the company has 450,000 employees worldwide. The company also develops hardware and software solutions for end-users. For this project, the system integrator faced an important requirement which could not be met by other products: wide operating temperature. All of the equipment will be installed in outdoor cabinets with wintertime temperatures that drop below -30°C. Without reliable low-temperature operations, the system would experience service interruptions in the winter. The system found that Moxa offered a superior complete solution that could stand up to their demanding requirements.

System Requirements

- Wide operating temperature
- Installation in outdoor cabinets
- Rugged IP video servers and Ethernet switches
- One vendor for all products to ensure compatibility

Moxa Solution

## System Diagram



Moxa is a leading industrial-grade solution provider for many different industries. In this case, Moxa offered the system integrator a complete solution. Their major requirement with wide temperature operations, a niche in which Moxa excels. The following three products, all of which support wide temperature operations, were deployed in this project:

### ioLogik E1212-T

- Built-in 2-port Ethernet switch for daisy-chain topologies
- Free support for Moxa's push-based Active OPC Server Lite
- User-defined Modbus/TCP addressing
- -40 to 75°C operating temperature range (T models)

### VPort 351-T

- Industrial design with -40 to 75°C operating temperature and fiber-optic Ethernet port
- Video stream at up to 30 frames/sec at full D1 (720 x 480) resolution
- Pre/post-alarm video recording function for advanced surveillance
- 2-way (1 in/1 out) audio supported

### EDS-305-T

- Redundant dual 24 VDC power inputs
- Transparent transmission of VLAN tagged packets
- -40 to 75°C operating temperature range (T models)

Why Moxa

- Wide temperature solution**
- One-stop-shop for all three products**
- Seamless connections between all the devices**