

## SUCCESSFUL STORY



**Taiwan high strength steel maker giant -  
China Steel Company (CSC)  
Saves over \$ 500,000 using Ethernet over  
Coax Extender.**

### Challenge:

An IP-based security platform would help CSC provide better recognition capabilities. The complex upgrade would have to be implemented in phases as the customer wanted to modernize existing cameras, but also expand the system. Significant infrastructure challenges left the client uncertain how to proceed with the upgrade:

- ▼ Re-cabling the large production locations would be extremely costly, especially the rule of cabling for the steel manufacturer must use the armored cable to avoid the explosive and burning issue.
- ▼ Installing new IP cameras will face transmission distance limitation, The longest transmission distance between IP camera and NVR more than 1.5Km and all IP camera request Full HD (1920x1080) resolution. The system request to keep the 40M/s and 80M/s bandwidth after 1.5Km and 500m distance transmission.
- ▼ Steel using the high-power machine for production, so there is a big interference problem when long-distance transmission.

### Solution:

China Steel Company selected the i-View EPoC-131VA + EPoC-131PS (Ethernet/Power over Coax Extender) solution. A no-obligation proof of product capability was arranged before real installation at filed site and in the plug-and-play simple process i-View's Ethernet over Extender eliminated the barriers that CSC had been worrying.

The revolution EPoC-131VA/EPoC131PS Ethernet Extender solution provided Ethernet and PoE over Coax with up to 6,000ft (1,830m) reach - that's 18Xs the reach of standard Ethernet switches. In addition to the client was able to provide PoE to up to 4 IP cameras using a single coax cable run. The solution completely eliminated the need to rip-and-replace the existing and reliable Coax infrastructure – simplifying and fast-tracking their modernization to IP.

## Result:

By applying simplifying infrastructure requirements, CSC was able to deploy over 500 IP cameras during the first implementation phase. The i-View EPoC (Ethernet/Power over Coax) solutions helped the client leverage their existing and reliable Coax wiring, eliminating the cost and disruption of re-cabling the new rebuilding IP camera system.

CSC was extremely pleased with their ability to:

- ▼ Save over \$500,000 during the first phase of the project, allowing more budget to be allocated to new IP surveillance and security applications.
- ▼ Increase safety by doubling the number of cameras deployed in some locations by using the EPoC Extender.
- ▼ Using the encryption of EPoC to create a separate and robust network path to ensure the security of the core network.

## Product List:

1. EPOC-131VA, EPOC-131PS Ethernet/Power over Coax.



EPOC-131VA



EPOC-131PS

Let us help you take full advantage of EPoC Extender, save money, eliminate risk, and simplify the advantage to IP requirements with our ezLink Series.

[www.i-view.com.tw/ezlink-ethernet-over-2-wire-extender/](http://www.i-view.com.tw/ezlink-ethernet-over-2-wire-extender/)