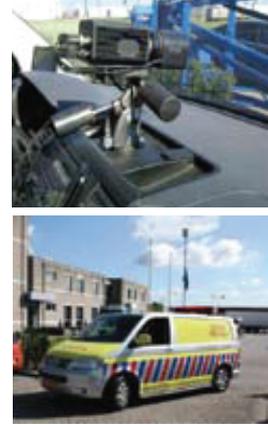


ThruLink™ Provides Mobile Security Watch

ThruLink optimises video channel over secure, wireless link



Background

In the week, a port is a bustling place, but during evenings and weekends, when activity slows down, there's a much greater probability that theft, accidents and alarms can go undetected. To remedy the problem, the harbour authority of one such port in Europe decided it needed a secure, mobile monitoring system to augment its existing, fixed-camera system.

Our Customer: QCat

The Challenge

A good quality, secure, transmission system was required to stream live video from the port via the internet, from a wireless link in a patrol vehicle, back to the port office using a 250kbps channel.

The Solution

QCat designed a secure, mobile system using standard capacity ThruLink units that sends video from the vehicle back to the monitoring station via the Internet. One end of the link is installed in the vehicle along with a wireless router that connects to the Internet. Back at the port office, a router and a second, standard capacity ThruLink unit complete the secure link, ensuring the integrity of the video signal.

By using ThruLink, the 250kbps communications channel is optimised to ensure the best quality video images are received.

Outcome

The mobile unit is now operational from 17:00 - 08:00hrs, Monday to Friday, and over the weekend from Friday afternoon to Monday morning. During these time periods the vehicle patrols the harbour providing surveillance via the ThruLink and wireless connection for over 400 companies. High quality video is recorded locally within the vehicle, and back at the control room, an operator monitors the video received from the wireless link and can locate the vehicle within the 26km² site to take action if necessary.

With ThruLink in place, the channel remains secure even though the data is transmitted across a public network. Additionally, the 250kbps link is optimised to provide the best quality video images.

When asked why ThruLink was chosen, the reply from Piet van Vliet at QCat was simply "Why wouldn't you use ThruLink? It's secure, it's easy to install and it does the job. When we tested the link without ThruLink, it didn't work - we got a series of fixed images - with ThruLink in place, we got video."

