

Case Study: Video Surveillance

D-Ron Singapore Pte. Ltd.

Solution Summary

At A Glance

Partner:

D-Ron Singapore Pte. Ltd.

Location:

Singapore

Industry:

City Surveillance

Project Overview:

A customer of D-Ron was selected for a city surveillance project to record and store footage of illegally parked cars. The project includes Sony VB630 IP cameras and Milestone XProtect[®] Corporate video management software. Footage is stored on the PROMISE VTrak storage solution.

The PROMISE Solution

- The customer deployed the PROMISE VTrak E830fd RAID subsystem and the high density PROMISE VTrak J930s JBOD

Benefits

- High-bandwidth, low latency, high IOPs performance
- Flexibility in selecting components and hard disks from different manufacturers
- Active-active, dual controller and fail-over capabilities assured a 'no single point of failure' storage environment

PROMISE Storage Deployed in City Surveillance Project in Singapore



A look at the high-rises of Singapore's skyline in its downtown core

The Project

Singapore is one of the most densely populated regions in the world, with over 7,000 people per squared kilometer crammed into the island country. A natural issue that arises with so many people in such a small area is that legally parking one's car is not an easy task! Illegal parking is a real problem in Singapore and it affects the safety and convenience of Singaporeans and how the city-state's businesses are able to operate.

A customer of D-Ron Singapore Pte. Ltd. was selected to work on a project which required building a complete video surveillance solution to store critical legal information pertaining to the recorded video footage of illegally parked vehicles from their video management software platform. The customer worked closely with D-Ron to find a suitable storage partner that offered high-performing solutions qualified by world leading companies and whose solutions offered the flexibility to work with components and drives from a variety of manufacturers. Specifically, the customer required a storage solution that offered high-bandwidth and low latency, and they required high IOPs performance. D-Ron Singapore turned to PROMISE Technology and the VTrak storage system.

PROMISE Technology is a leading developer of storage solutions for the cloud/IT, rich media and video surveillance markets. PROMISE's external storage solutions and NVR storage appliances have been qualified by partners throughout the video surveillance ecosystem and its VTrak external storage solution is the only fibre channel storage product qualified for OS X.



Protect what's important with **PROMISE Technology**

More Video Surveillance Solutions from PROMISE:

Vess A2000 NVR Storage Appliance

- Easy to install, manage and service
- Advanced RAID engine requires no separate storage unit
- Supports Milestone XProtect[®] plug-in for superior ease of use
- Robust error handling enables non-stop recording without dropping frames
- Hot swappable drive bays, redundant power supplies and One Plug Auto Service

Learn more:

www.promise.com/VessA2000

About D-Ron Singapore Pte. Ltd.

- Founded in 2004 as a company providing IT solutions, products and services
- Provide IP surveillance cameras, networking solutions, storage and video management software
- Customers include SMEs, MNCs, and government agencies

Learn more:

www.d-ron.com

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The Solution

For this project, the customer is using Sony VB630 IP cameras and Milestone XProtect[®] Corporate video management software. The recorded footage is stored on the VTrak E830 fibre channel external storage subsystem and the VTrak J930 ultra-dense 4U 60-bay SAS expansion JBOD which enables the customer to conserve space by packing in a massive amount of storage capacity in each rack.

The customer is stacking the VTrak installation in a secured environment connected to a number of recording servers. The incoming video comes from roads with a particularly high number of illegal parking incidents and all of the recorded feeds are kept safe in the array for a minimum of one year. The VTrak solution is configured in RAID 6 and multiple LUNs are created which are connected to the recording server via fibre channel.

Keeping Singapore Running Smoothly

Once the VTrak solution was selected, PROMISE and D-Ron Singapore helped with the implementation of the backend and to get the advanced configuration running beautifully. The VTrak fibre channel solution offered the speed the customer required and also the redundancy as its active-active, dual controller and fail-over capabilities assured a ‘no single point of failure’ storage environment, making the VTrak solution an instrumental piece to the city surveillance project in Singapore.

As a result, the surveillance project has improved the convenience of Singaporeans, enhanced the flow of traffic and reduced accidents by keeping the streets clear of illegally parked cars.

“We were very pleased to work with our customer and PROMISE Technology on a really exciting video surveillance project,” said Ronnie Hun, Managing Director, D-Ron Singapore Pte. Ltd. “Our customer had high expectations in regards to the performance and the flexibility of the storage solutions and we were able to effectively implement VTrak in their surveillance project to provide the massive capacity and high-bandwidth they required. We look forward to monitoring the continued success of the project and working together again for more surveillance projects throughout the region.”