

# Shindorim Techno-mart, South Korea



**BOSCH**  
Invented for life

## Industry:

Retail (electronic products distribution center)

## End User:

### PRIME DEVELOP Co., Ltd

PRIME DEVELOP Co., Ltd has developed Shindorim TechnoMart and is responsible of administration of the building for over 1,000 stores and over dozens of tenants. PRIME DEVELOP Co., LTD is a subsidiary company of PRIME business group in Korea and is focusing on real estate developing projects such as theme parks, department stores, high rise commercial/residential buildings in Korea as well as overseas.

## Business Objective:

Shindorim TechnoMart being the largest electronic products distribution center in Korea is a 180m high 47story building (305,934 m<sup>2</sup>). The building accommodates over 20,000 customers with 2,345 passenger cars at the same time and connects Seoul Metro line 1 and 2. Therefore guaranteeing safety and security of the customers were key reasons for the need for CCTV surveillance systems.

## Solution:

Bosch implemented two sets of Allegiant 8900series Matrix Switcher with satellite configuration for main monitoring from the controlling center and the parking lot control center; AutoDome and LTC 0620 cameras (motorized zoom lens) were used for outdoor surveillance.

Regarding the system design Bosch and its partner worked on the customer requirements to streamline installation costs and to minimize future servicing hassle for the CCTV System. They were able to find a solution that meets all requirements and at the same time guarantees the system's stability.

Bosch's Bilinx technology for coax transmission has been the obvious fit to the challenges. Bilinx is a bidirectional communication capability embedded in the video signal of all Bosch cameras. With Bilinx technicians can check status, change camera settings and even update firmware from virtually anywhere along the video cable. Hence, the servicing hassle during maintenance is greatly reduced.

In addition, the entire installation time was greatly improved by using Bilinx - as the technology uses the standard video cable - to transmit alarm and status messages, providing superior performance without additional installation steps.



Techno-mart Shindorim

For some remote and difficult camera positioning the use of Bilinx technology also allows for accurate remote camera settings and adjustments, and improves the overall performance of the installation.

## Result:

The technology that was installed contributed to the cost savings of the whole installation. Especially the Autodome as it actually sends video and PTZ control signal via single coax cable, coupled with high speed PTZ accuracy, supercedes a separate data cable for the signal.

Bosch's Allegiant Matrix provides full cross point functions in two separately installed centers as one single system. Any allegiant system can serve as the master switcher in a satellite switch configuration enabling single, main allegiant systems to communicate with each other remotely.

## Installed by:

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