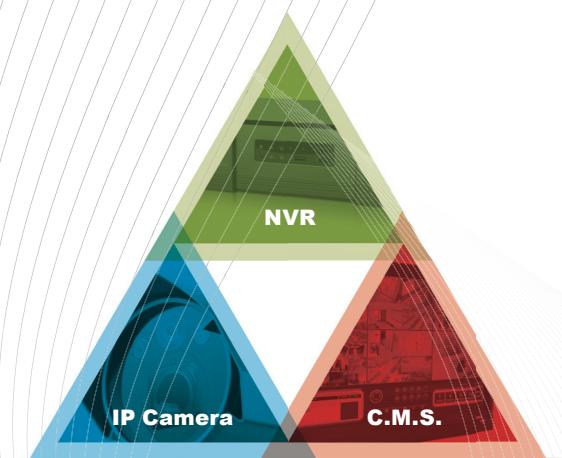


Success Stories



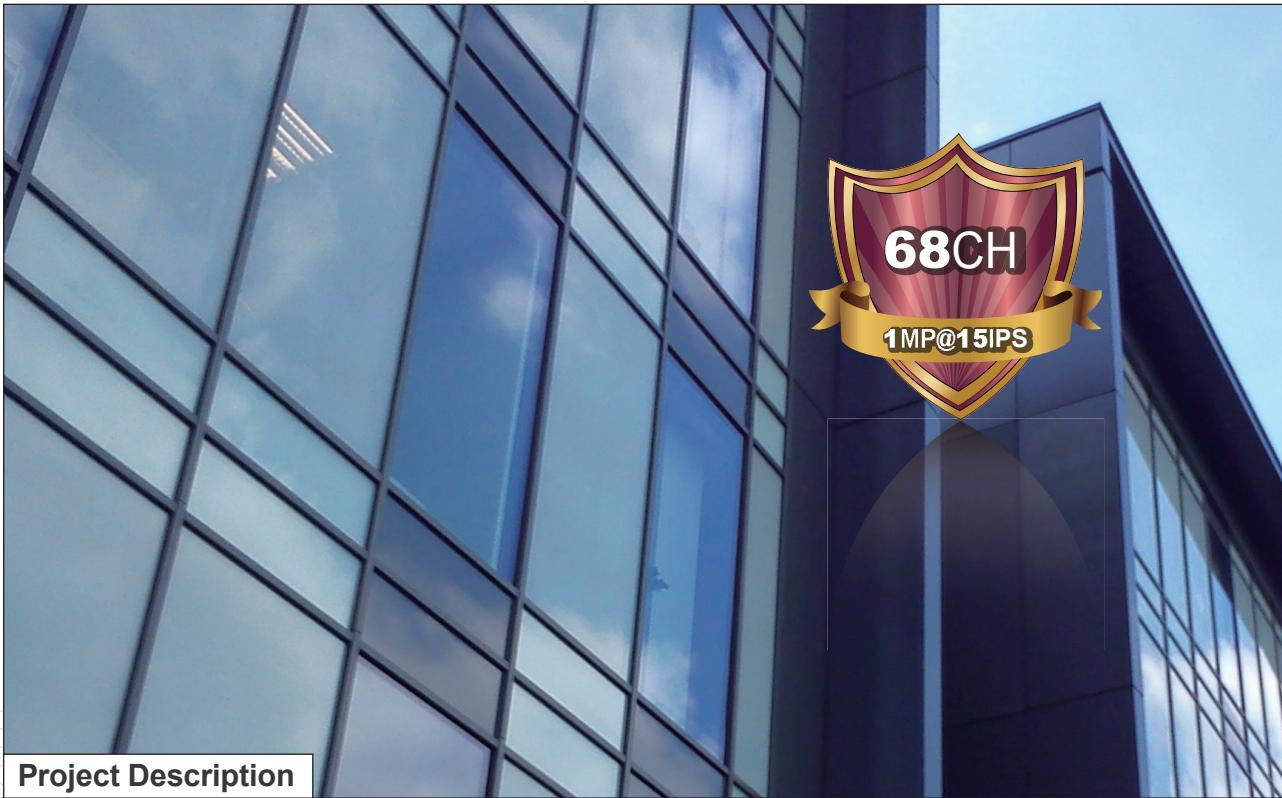
IP Surveillance

We Care What You Care

- ➔ The Big Telecom Company Ranked in Asian Top 10
- ➔ The Tall Skyscraper Ranked in the World's top 5
- ➔ Myanmar: National Guest Hotels
- ➔ Czech: Chained Hotels
- ➔ Czech: Shopping Mall
- ➔ Dubal: Chained Restaurants
- ➔ Lebanon: Hospital

Success Story

The Big Telecom Company Ranked in the Asian Top 10



Project Description

We are one of the top 10 telecom companies in Asia formed in 2000 through the merger of three corporations with several commercial buildings equipped a whole analog system. In recent years, the system has been getting too old to use and is needed to be upgraded. Due to the limited budget, we need a cost-effective solution for only upgrading the surveillance system equipped at the entrance and parking garage from analog to HD. For dealing with such numerous channels existed and added, we are eager for an easy way to control and maintain the system. Better is the system compatible with the mobile device.

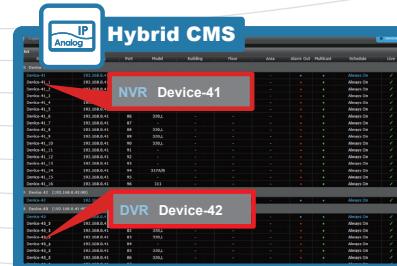
System Benefit



With a HDMI Matrix device, users could combine the displays of up to 4 HDMI devices (including NVR and DVR) into one monitor and control all four devices with one mouse, providing the most economic way to have a 64CH surveillance solution as an alternative to use a PC-based CMS software.

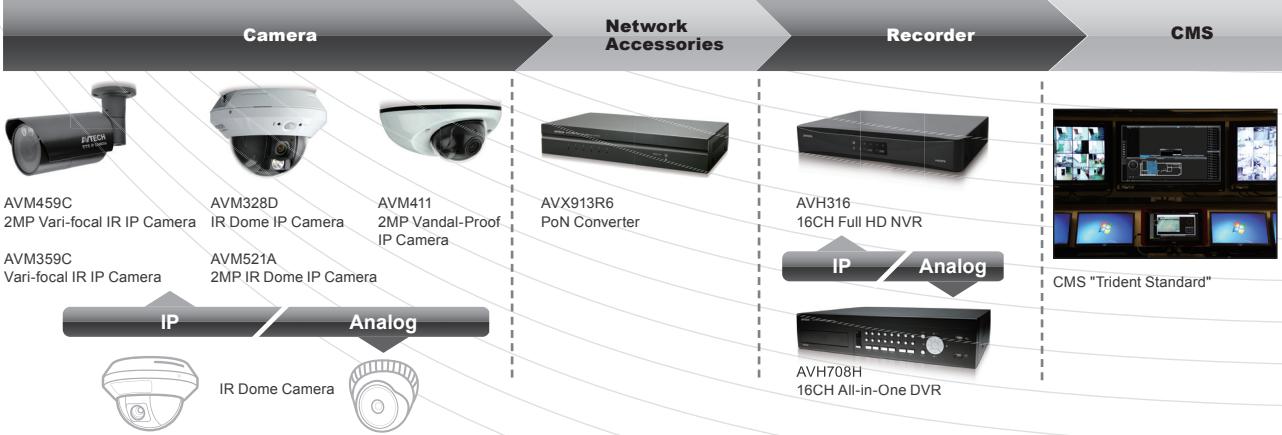


Users could immediately get notified of all abnormal system events for their surveillance systems (such as video loss, system being unlinked, no hard disk, etc.) from their smart phones by the function of Push Status.



The CMS software is able to accept both analog and IP systems for central monitoring. Users could choose to keep their existing analog devices and do an upgrade to experience HD IP surveillance, depending on what they need.

Product Solution



APOLLO PRO
Project-oriented Series

APOLLO
Professional Series

MARS
Economic Series

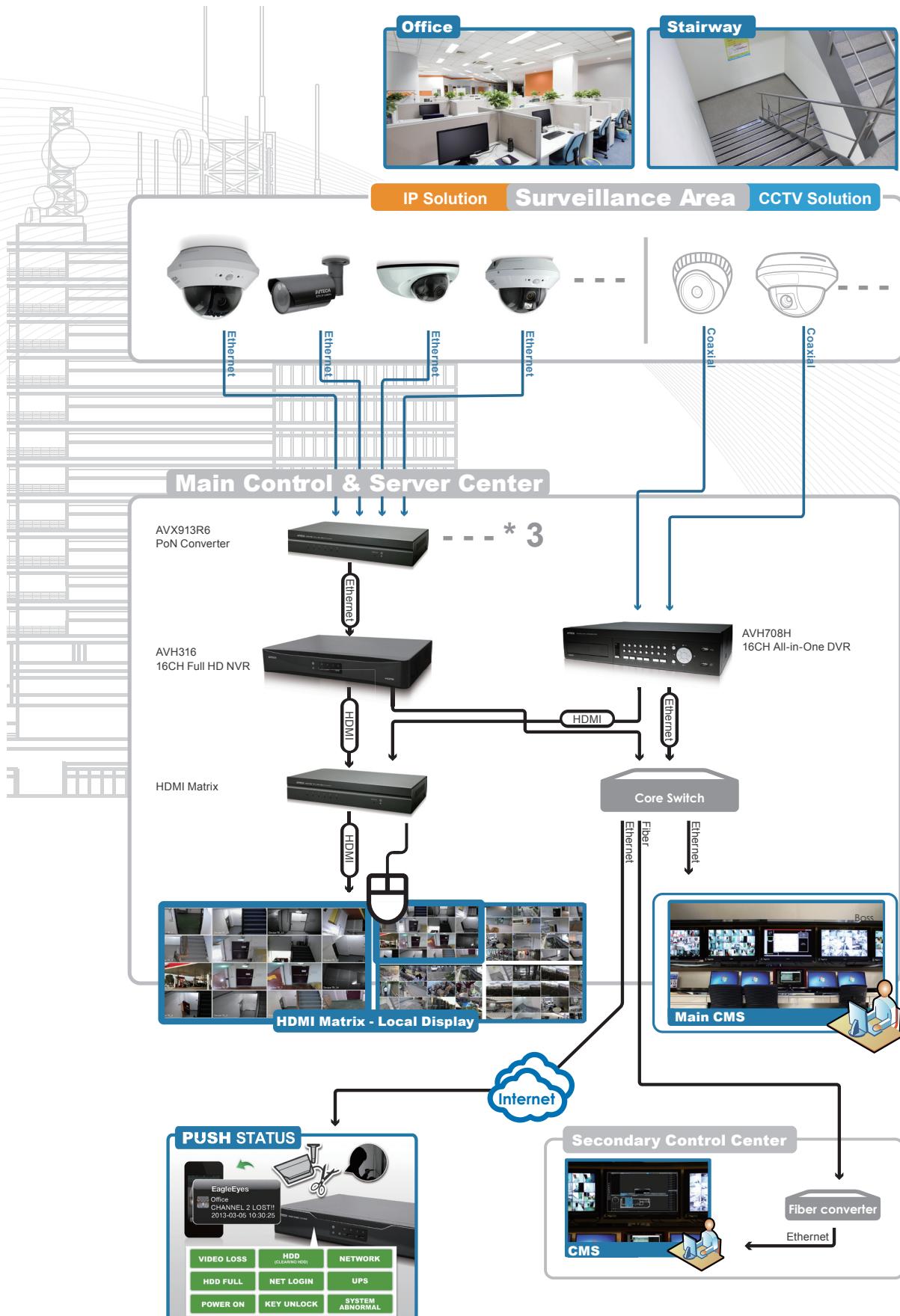
Peripherals

PUSH VIDEO
IP Camera Series

Success Story

The Big Telecom Company Ranked in the Asian Top 10

System Application





Project Description

The Myanmar National Guest Hotels, located in the new metropolis of Myanmar, covers vast area with a main entrance and is divided into four buildings with long distance apart. Considering that it provides service to the major government officials and the head of states abroad, we need the **cameras with design features** to match the luxury buildings. Because of the **long distance between the buildings**, we don't want to spend too much time on maintaining and managing the system back and forth. And we also hope to set the **sub control centers in each building** in charge of different monitoring activities.

System Benefit



The CMS software shows the status of each connected device in graphic and monitors all the time in case of any abnormal event occurs, maximizing the efficiency of system maintenance.



Worked with AVTECH CMS, users could use the joystick to control PTZ IP cameras, and switch the display by entering the pre-configured camera ID or group ID.



All NVRs in the surveillance system and the CMS support multicasting to enhance the transmission efficiency among all NVRs and the CMS, helping users located in different secondary control rooms to quickly get what they want without video lag.



Product Solution

IP Camera



AVM571
2MP 10X PTZ
IP Camera



AVM521A
2MP IR Dome
IP Camera



AVM552C
2MP Vari-focal
IP Camera

Network Accessories



AVX913R36
PON Converter

NVR



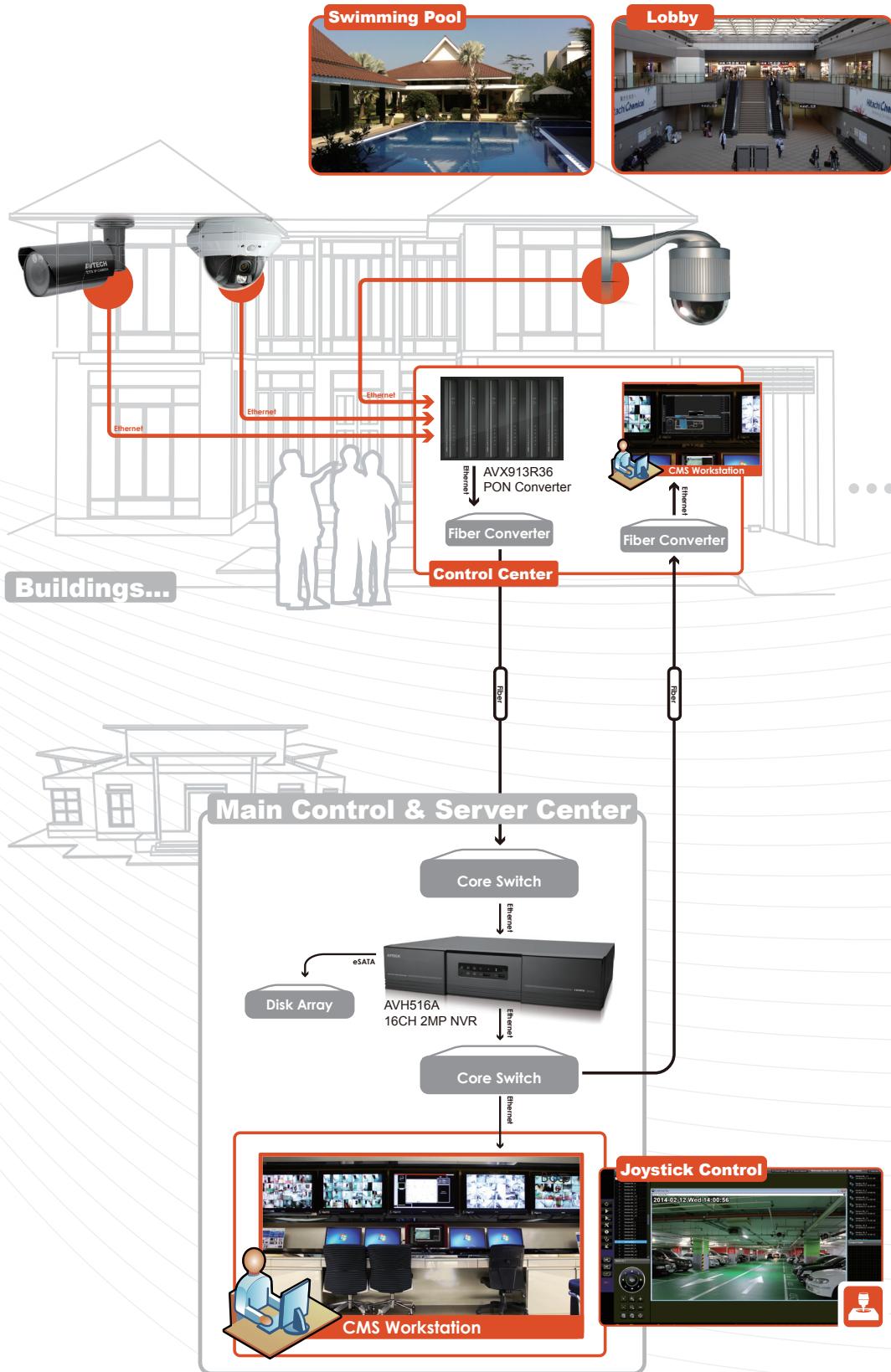
AVH516A
16CH 2MP NVR

CMS



CMS "Trident Professional"

System Application



Success Story

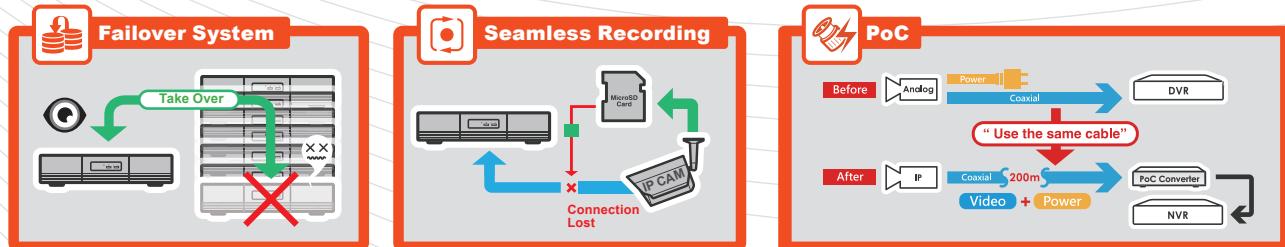
The Tall Skyscraper Ranked in the World's Top 5



Project Description

This skyscraper is an outstanding landmark in Taipei city built up with government's Asia-Pacific Financial Center plan, providing the luxury brands and companies marched into this commercial building with the facilities and service of their highest level. However, **the surveillance system remains the analog devices**. For creating a best security environment for our customers, we need a latest video system and **hopefully with lowest price**, which means that it is **not allowed any parts missing in the recording** and we need **HD image transmission** if possible. Besides, the internal decoration can't be modified because of the camera setting and **the upgrading must be finished within a few months**.

System Benefit



A proportion of FOS NVRs will be assigned as failover servers to the whole surveillance system. Usually 1 FOS NVR shall be worked with 7 NVRs. When any of the NVRs is down, the FOS NVR will soon take over all the works the NVR was doing to keep the whole system working properly. Users could be notified of this take-over event by checking the health check on CMS, and take necessary actions.

When the NVR and IP cameras are disconnected, the recording task will switch to the cameras, and the recordings are saved to the microSD cards of the cameras. When the NVR and IP cameras are re-connected, the recordings saved in the microSD cards will transfer to the NVR and save in the hard disks without changing the original recording time. Users could still search the recordings they want by time on the NVR.

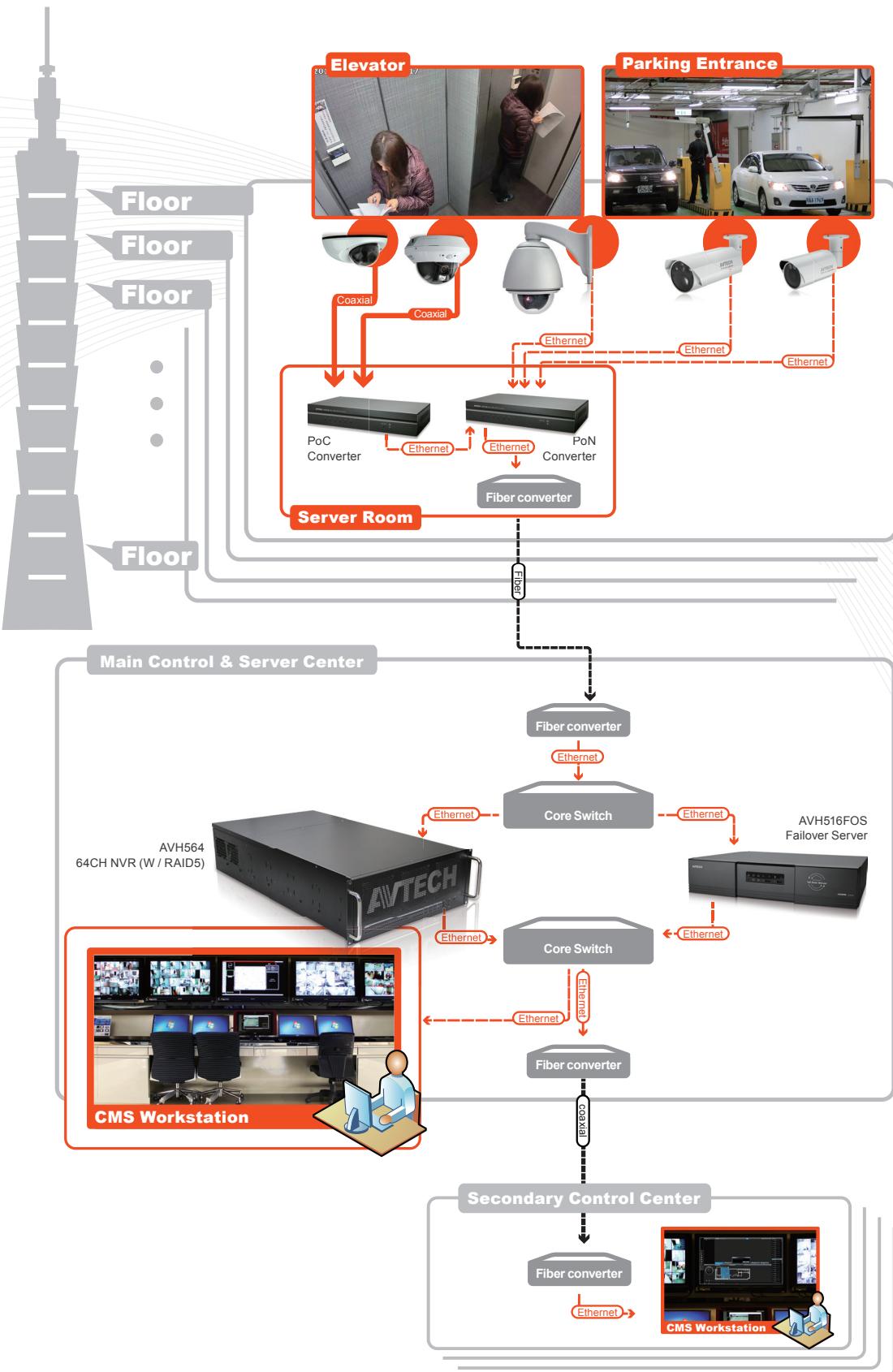
PoC, power-over-coaxial, is a technology to transfer power and video signals via one coaxial cable per camera, eliminating the need to arrange power adapters additionally. For HD IP system upgrade projects, this technology also save the cost to replace existing coaxial cables with network cables. The existing coaxial cables could remain.

Product Solution



Success Story The Tall Skyscraper Ranked in the World's Top 5

System Application



CZECH CHAIN HOTEL

Multi-site chain hotel with Plug& Play HD IP Standalone System

BACKGROUND

This hotel is a famous chained business hotel, located in Jundrově, Brno. It has 20 business rooms, a 15m²-sized restaurant, and a parking lot. The system structure shall be easy to install and manage, the simpler as traditional analog CCTV system the better. HD surveillance is demanded. They want to replace the traditional analog CCTV with less effort for training.



Hotel Appearance



*Parking Lot with AVM357 solid light
IR 20 meters night vision surveillance*



*AVM328 with Built-in PIR
detects human at the hallway*



*AVM328 with mic built-in for
meeting room monitoring*

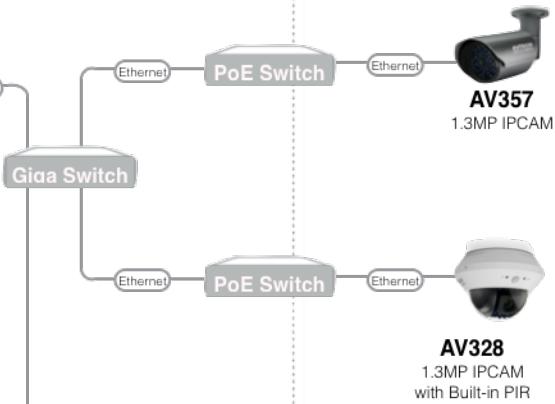


AVH316
16/12/9/6/4CH NVR



AVH316
16/12/9/6/4CH NVR

System Configuration



SOLUTION

This single branch requires 20CH monitoring. The video recorder is AVH316, a 16CH 720P real-time recorder, with HDMI video output and mouse control. It could also switch to 12CH and 9CH display modes for different needs. At the reception, the receptionists could check the video and do further control if possible. All IP cameras are configured plug & play, and the whole system is power-supplied by PoE. There is no PC or other complicated CMS software on our standalone solution, which can fulfill the demands for live, control and playback of the branch manager.

For indoor use, AVM328D, a 1.3MP IR dome camera, is used. This camera is equipped with PIR to work with AVTECH human detection technology to prevent

false alarms caused by poor light conditions and noise. It helps to record each passenger's entry accurately and effectively reduce false logs.

For outdoor use, AVM357A, a 1.3MP IP67 IR bullet camera, is used to get night surveillance up to 20 meters.

CUSTOMER FEEDBACK

System control and management are quite like the previously-used traditional analog CCTV system. The hotel branch manager learns how to use quickly. The camera images are also upgraded and very clear. The other branches are also preparing to replace their existing analog CCTV systems with this one.

REFERENCE

[AVH316 Auto Setup](#)

[AVH316 HD Record](#)

[AVM357 Demo Video](#)

[AVM328 Demo Video](#)

[AVM328 Demo Video](#)



[AVH316 16CH NVR](#)



[AVM328 1.3MP IPC](#)



[AVM357 1.3MP IPC](#)

CZECH SHOPPING MALL

137CH shopping mall video surveillance system

BACKGROUND

This is a well-known shopping mall with 7 branches in different cities in Czech Republic. The areas needed to be monitored are including shopping zone, surrounding mall, elevators and underground parking garage. Parts of the main entrances are requested to be equipped with the best cameras with sharp image, and the cameras with high cost performance are acceptable for the others. Furthermore, the customer emphasized the elegant design and small size cameras for inside the elevators, and the cameras with high quality image for recognizing the license plate clearly at the entrance of the underground parking garage.



Shopping Mall Appearance



AVM552 with Solid Light IR at Entrance for night vision



AVM542 with super WDR at parking lot entrance for car plate monitoring



AVM311
1.3MP mini Valdal dome
[Introduction Link](#)



AVM428
2MP IR dome
Built-in Human Detection
[Introduction Link](#)



AVM542
2MP WDR Outdoor
IR Valdal dome
[Introduction Link](#)



AVM552
2MP WDR Outdoor
IR Bullet
[Introduction Link](#)

Solution Introduction

SOLUTION

We separated the installation area into four sections and installed total 137 cameras. For inside the elevators, AVM311, 1.3MP mini Dome with vandal resistant IK-08, is the best choice according to the customer's need because it is a small and elegant camera suitable for going with the elevator decoration. For the underground parking garage, we installed the camera AVM542. This 2MP outdoor vandal-proof dome can help to monitor in wide range with the 3-axis mechanism and prevent your camera from tampering or deliberate damages with tamper-resistant case. To recognize the license plate clearly, the equipped super WDR and f2.8~12mm Lens can keep image recognizability even near the headlight or against the light. With IR solid light, AVM542 is also suitable for dark surveillance environment such as this parking garage and is allowed to automatically control the amount of light to avoid over-exposure. For the surrounding mall, we used AVM552, which is 2MP outdoor IR bullet IP camera, to monitor

the surrounding with f2.8~12mm Lens, super WDR and IR solid light. For the shopping zone, AVM428 and AVM328, which is 2 MP and 1.3MP indoor Dome camera, are installed. They both have built-in PIR paired with human detection to accurately detect the intruder, and also avoid image noise at night and false alarm because of shifting light.

CUSTOMER FEEDBACK

We are satisfied with the image quality, especially the license plate recognizability at the entrance of the parking garage of AVM542. Also, the cost effective system consisted of 1.3MP, 2MP and 2MP WDR cameras really saved lot of money for us for upgrading to IP surveillance system. We plan to keep this IP solution using in our following upgrading of surveillance system of the other 6 branches. And the remodeled Hotel in the loft of the shopping mall is going to install 20 cameras as well.

REFERENCE

[WDR Solid Light](#)
[Night Vision Demo](#)

[AVM542 Solid Light](#)
[IR Demo](#)

[AVM552 Live Demo](#)

[AVM328 Demo Video](#)

[AVM328 Demo Video](#)

DUBAI CHAIN RESTAURANT

Push Video surveillance system for Dubai chain restaurants

BACKGROUND

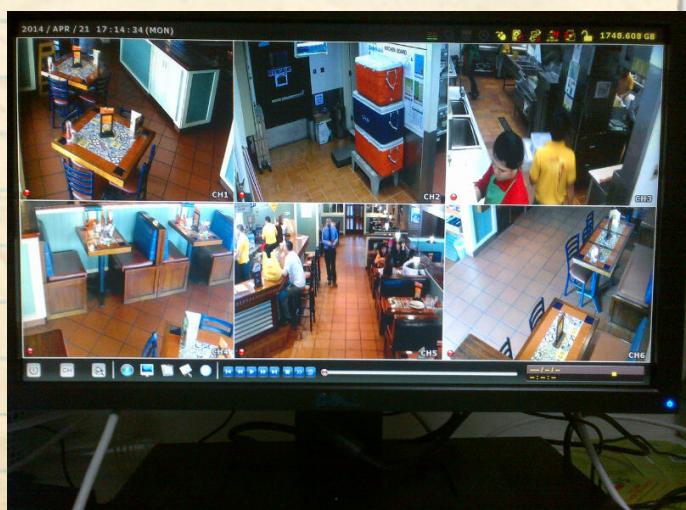
This modern chain restaurant extended about 60 branches all over Dubai. They needed a total surveillance solution to guard their stores. The monitored areas needed to be focused of those independent running branches were about 4 to 8, such as cashier counter, entrances of the restaurant and dining table. Additionally, they hoped to install surveillance sensor to avoid intruder after closing.



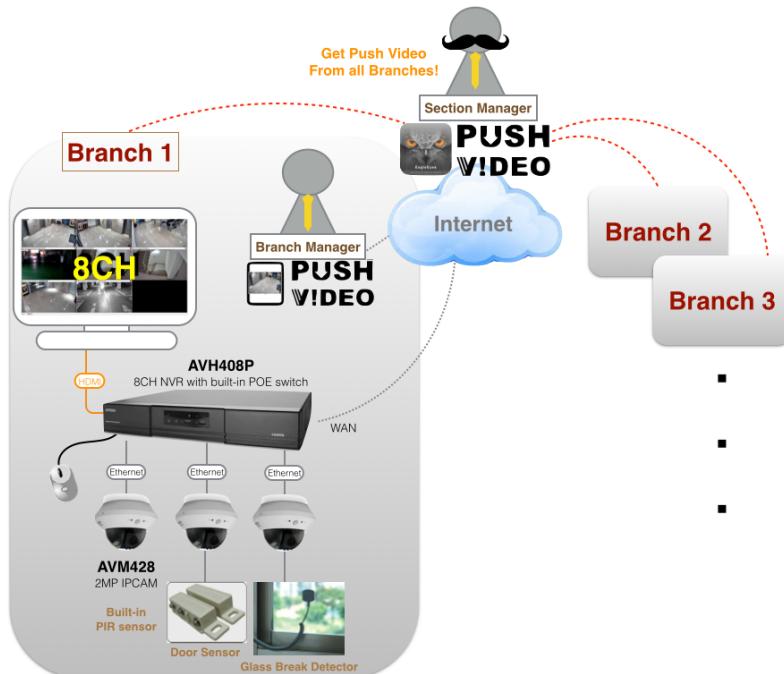
Restaurant Appearance



AVM428 detect intruder with built-in PIR or door sensor connected



Built-in HDMI display from AVH408P standalone NVR with full control function, no PC and other CMS software.



System Configuration

SOLUTION

Based on the above tasks, we installed AVH408P as 8ch recorder and 2MP IR dome AVM428 to meet the needs of those restaurants. AVH408P is equipped with built-in 8 PoE Ethernet ports, providing power to the IP cameras through Ethernet cable, reducing the cost of POE switch and solving the problems might happened during POE switch running or installed. With Push Video, the store manager and district manager can configure the push video schedule on the APP EagleEyes via iOS or Android mobile devices to define the period you want it to be warned. The alarm devices were including the built-in PIR human detection, the reeds switch and glass break sensor detector connected to digital alarm-in interface of AVM428. If events are triggered in the defined period, the store manager and district manager will be simultaneously notified within 5 seconds. AVTECH

provided a cost effective solution to accomplish a mission notifying in shortest time and providing a versatile and complete system as a professional security service

CUSTOMER FEEDBACK

The NVR with built-in PoE and cameras with PIR human detection greatly decreased the building budget and really completed the surveillance system. The store manager and the district manager were satisfied with the APP EagleEyes paired with Push Video controlling the store security effectively and covering for the high cost of security manpower per month. Because of the confidence in AVTECH, the about 60 branches gradually upgraded the surveillance system with such 2MP integration solution.

REFERENCE

[Push Video Demo 1](#)

[Push Video Demo 2](#)



AVH408P
8CH POE Built-in NVR
[Introduction Link](#)



AVM428
2MP IR dome
Built-in Human Detection
[Introduction Link](#)

LEBANON HOSPITAL

64CH Video Surveillance and Alarm Management System

BACKGROUND

This is a famous heart hospital in Lebanon just opened up and needed to be installed complete surveillance system. The hospital was looking for a stable, continuous, smooth IP-based video solution providing high image quality and keeping the recording for 30 days. Furthermore, the guards in the control center needed to view the live video and to be notified in case there was any health emergency, handling the situation as soon as possible.



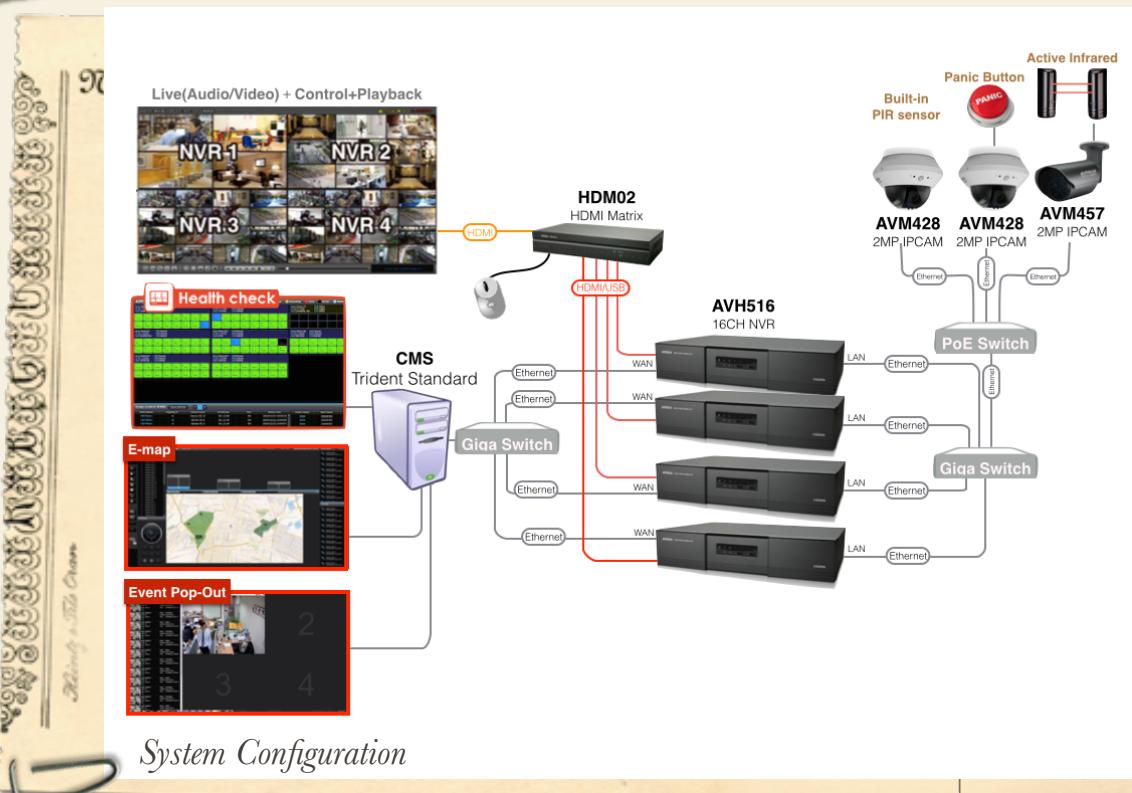
Hospital Appearance



Outdoor fence with AVM457 and connected with Active IR Sensor



AVM428 connected with Panic Button for CMS Alarm pop-out



System Configuration

SOLUTION

We installed two high cost effective cameras with 2MP resolution, that is, outdoor IR bullet AVM457 and indoor IR dome AVM428. AVM428 is equipped with digital alarm input for connecting outdoor sensor, such as active IR sensor. If events are triggered via sensor, event notification will be popped up on the CMS monitor. And the built-in PIR sensor of this camera is capable of detecting people accessing the emergency exit for triggering events to do event pop-up on CMS. In the hospital ward, AVM428 is able to connect emergency button to digital alarm input for notifying nursing aides immediately with CMS event pop up to broadcast if emergency occurs.

In the control center, HDM02, 4 in 1 HDMI Video Matrix, is used to combine

the HDMI signals and mouse control of four NVRs AVH516, into 42 inches monitor for live view and controlling. With CMS system on PC, the event pop-up and health check can help to be notified instantly and check the status of all devices.

CUSTOMER FEEDBACK

The built-in PIR of AVM428 and alarm digital input of AVM457 help to provide us with various alarm devices and emergency sensors to build a complete security system, reducing the cost of human resource and management. Especially the combining live view of HDM02 in the control center eliminated lots of problems and inconveniences, making high efficiency on work and decreasing the

REFERENCE

[HDM02 Standalone 64CH CMS \(HDMI Matrix\)](#)

[AVH516 16CH NVR Demo](#)

[AVM457 2MP IPC Demo](#)



[AVH516 Introduction](#)



[HDM02 Introduction](#)