

Your first priority for excellent Full HD 1080P image performance

Choose AVTECH high-end IP cameras with WDR and Full HD display, and explore the IP total solutions elaborated from the integration of CMS and other peripherals.



Success Story

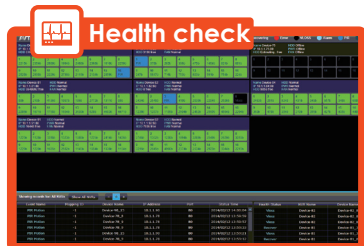
Myanmar National Guest Hotels



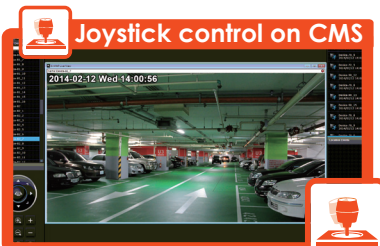
Project Description

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.



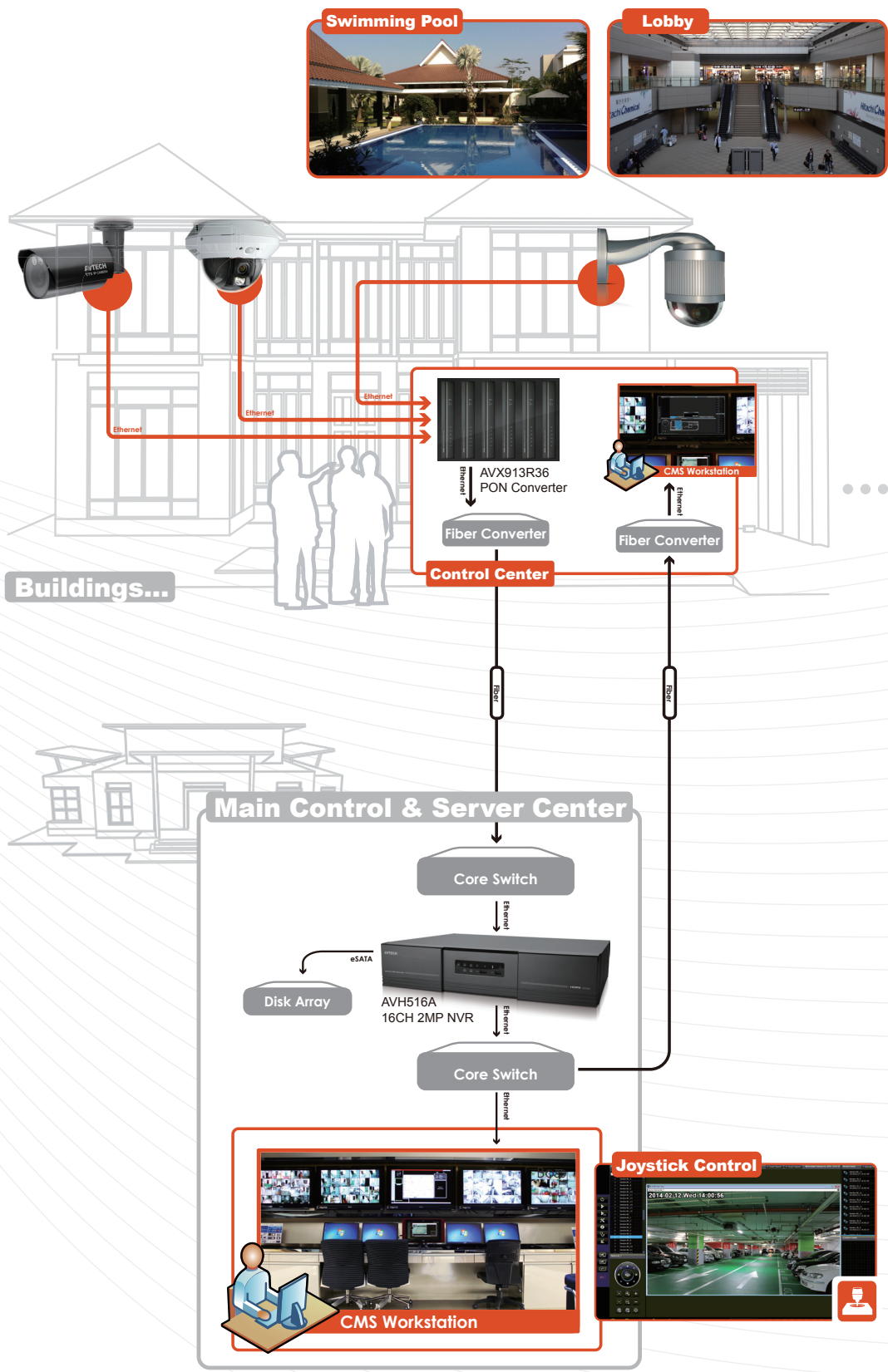
All NVRs in the surveillance system and the CMS support multicasting to enhance the transmission efficiency among all NVRs and the CMS, helping users located in different secondary control rooms to quickly get what they want to see without video lag.



Product Solution

IP Camera	Network Accessories	NVR	CMS
 <p>AVM571 2MP 10X PTZ IP Camera</p>  <p>AVM521A 2MP IR Dome IP Camera</p>  <p>AVM552C 2MP Vari-focal IP Camera</p>	 <p>AVX913R36 PON Converter</p>	 <p>AVH516A 16CH 2MP NVR</p>	 <p>CMS "Trident Professional"</p>

System Application



Product Features

This series includes all the features of Mars series, and also the unique features as follows:

WDR Series - Wide Dynamic Range Series

[A] Tunnel

Vehicles entering a tunnel or parking garage with a high of luminance outside, and inside at low light levels.



[B] Office Building

Surveillance of entrance doors with daylight outside and a dark indoor environment, common scenarios in retail shops or business buildings.



[C] Car License

PlateQuick recognition of car license plates in B/W IR mode when the glare of the car light is too bright.



SOLID LIGHT - Smart & Efficient Lighting Solution

[A] Longer IR Effective Distance

Solid Light produces long-reaching, strong lighting, hence greater picture brightness in the dark.

[B] Longer LED Lifetime

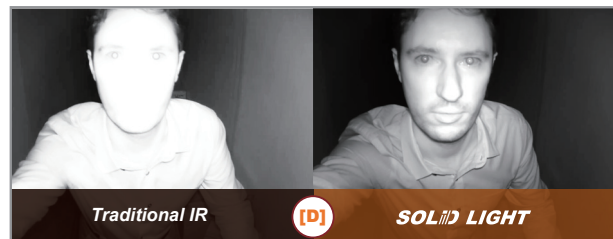
Solid Light utilizes special design to avoid overheat, lengthening the life of the LED lights.

[C] Adjustable Infrared Angle

The vari-focal lens allows wide and narrow views. With wide view, Solid Light produces suitable and uniform brightness.

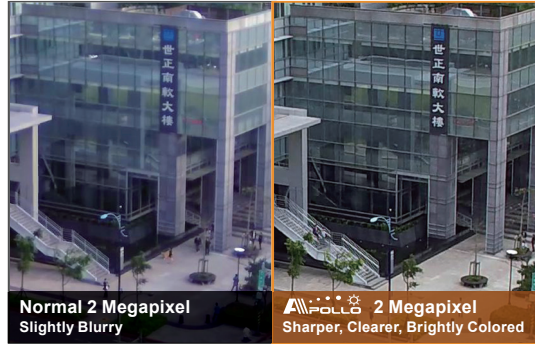
[D] Advanced Smart Light Control

Solid Light controls the amount of light in case of overexposure from an object being too close to the lens.



Great Image Quality

Compared with the other brand's 2MP IP cameras, AVTECH 2MP IP cameras have excellent and sharp image quality.



Health Check

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.



Multicasting

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 to see without video lag.

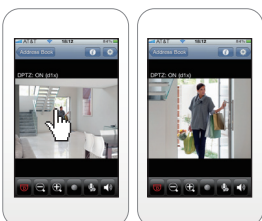


PTZ Control

Hot point on mobile device or NVR



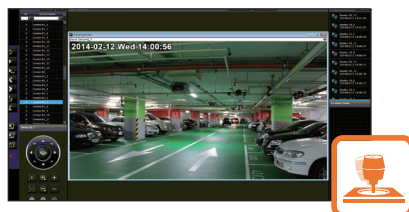
On mobile device or NVR, simply click on the screen to move to the area you want to see, and double click to zoom in.



Joystick control on CMS



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.





AVTECH CMS Professional for all-scale projects managing from 16 to 65535 devices. Global monitoring and control become so easy and efficient with its e-Map configuration, instant event pop-up display, health check and failover mechanism.

Architecture

Client-server Mode	Client-server mode available to manage larger system with multiple computers.
Device Search	Supports device search of all NVR devices within a local network, and also allows connection to a remote NVR via Internet for off-site management.
Port Forwarding	Forwards ports automatically, and finds all the IP cameras under a specific NVR device within a local network. IP cameras can then be easily managed by this software.
Multiple monitor display	Supports up to 8-monitor display and able to define purposes of each monitor.
Failover	Failover mechanism available to ensure immediate switch to another redundant NVR in the event of system problems. (This function must work with selected NVR models.)

Live View & Control

Total Live Display CH Number	Supports each monitor up to 96CH live display
Area Live Display	Clicks on a defined group/area on E-map to watch live footage of that area (up to 16 cameras / per area).
Sequence Display	Supports sequenced view of grouped cameras. Each group contains up to 16CH and 6 groups can be played in sequence. Dwell time is configurable.
PTZ Control	Supports PTZ control via USB mouse and joystick (pan, tilt, zoom, focus, etc)
Digital PTZ Control	Supports digital PTZ to examine part of a megapixel image

E-Map	
Multi-layered Setup	Supports multi-layered maps with camera location on it for intuitive management..
Group Display	Cameras can be grouped by area, allowing users to monitor live footage group by group.
Event Notification	When an event occurs, the alert indicator shows on the layer of the maps and the camera location on the map.
Graphical Alarm Fence	Graphical alarm fence can be displayed to visualize the protected fence by sensors, such as infrared beam detector. When it gets triggered, the alert indicator will show on the map.
Event Management	
Event Pop-up	When an event occurs, the event monitor pops up the channel immediately with live display. Up to 4CH event pop-ups are supported. To see event playback with pre-alarm recording, click on the pop-up again.
Camera Management No.	Manages up to 65535 cameras.
Audio Alert	Supports audio alerts to attract users' attention to new events.
Alarm Input	Allows multiple alarm inputs to trigger PTZ camera move to preset points.
Detection Schedule	Scheduled event detection allows event detection to work only within specific period of time device by device.
Playback and Backup	
Event Search	Searches video files by date and time or by event.
Video Playback	Plays video footage up to 4 channels simultaneously
Detail Check & Snapshot	Supports full-screen playback in high resolution and digital PTZ to examine part of a megapixel image, while snapshot is also available anytime during playback.
Footage Conversion	Exports audio and video evidence in the "AVI" format, which is compatible with popular video players.
Health Check	
Computer Status	Shows the status of your PC, such as CPU usage, RAM usage, network upload/download speed, in the control panel for loading check.
Regular Report	Detects and reports the system status periodically, such as NVR online/off-line, camera video loss, UPS status, HDD issue (No HDD, Clean HDD, HDD overheat), etc.
Administration	
User Account & Privilege	Supports unlimited user accounts, selectable user levels and configurable user access rights: Administrator / Power User / User / Guest.
File Export	Exports video files from CMS.
Minimum System Requirements	
CPU	Intel i7-3770K processor or above
RAM	16GB or above
Network	Gigabit x 2
Graphics Card	AMD HD7770 Chipset or above x 2
Hard Drive Type	at least 100GB space (It's recommended to use a SSD hard disk with 128MB.)
Operating System	Microsoft Windows 7 Professional 64-bit