

Total Solution

IP Camera

C.M.S.

IP Surveillance
We Care What You Care

Complete product range to line up versatile system integration solutions



- 1. The best solution for budget limited requests
- 2. Simple installation, and easy maintenance



System Product Map

- 1. Excellent image performance in live display and recording
- 2. Flexible applications possible with a variety of peripherals



- 1. System scalability to support 1000+ devices
- 2. System integration plan customizable

### 02 | System Map

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16CH NVR: AVH316, AVH315

8CH NVR:

AVH408P, AVH0801

6CH NVR: AVH800A6

4CH NVR:

AVH304A, AVH0401

**IP Camera Series** 

2 Megapixel IP Camera: AVM459C, AVM459A, AVM458C, AVM457A, AVM428D, AVN420,

AVM417A, AVM411, AVM403, AVM402, AVM401, AVM400B

1.3 Megapixel IP Camera:

AVM365A, AVM359C, AVM358C, AVM357A, AVM332, AVM328D, AVN320, AVM317B, AVM311, AVM302A

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  - Peripheral Series
  - PoC (Power over Coaxial Converter):
  - AVX912R6A, AVX912R16, AVX912T2

#### 40 Peripherals

HDM02 Full HD Matrix

AVX912T/R EoC (Ethernet over Coaxial) Converter
AVX916T/R HoC (HDMI over Coaxial) Converter

AVX913R6 PoN (Power over Network) Converter

AVX931B Video Server AVX951A Control Box

AVX102, AVX101 Joystick

AVM542-BKT(A), AVM542-BKT(B) Camera Bracket

PTZCON3, PTZCON2, PTZCON1 Speed Dome Bracket Adapte 320BKT Cable Management Bracket

571CON1 Speed Dome Bracket Adapter

BulletCon1 Junction Box Adapter

PP-AVC787-00K 19" Rack Mount Bracket

#### 45 Push Video IP Camera Series

1.3 Megapixel IP Camera:

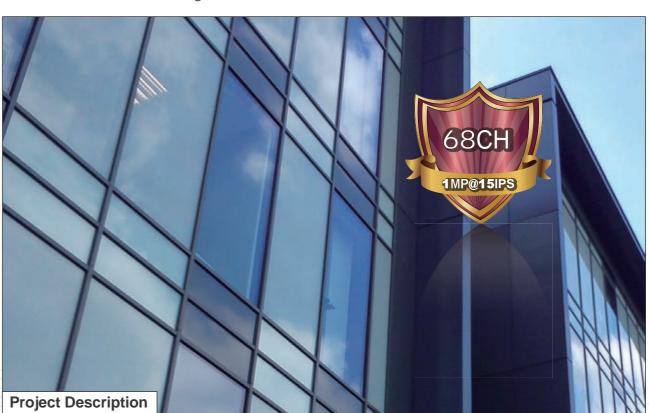
AVN803EZ, AVN80X, AVN90X, AVM807C, AVM808A, AVN815EZ VGA IP Camera:

VGA IP Came

48 Proposal of Product Solution

The CMS software is able to accept both analog and

# Success Story The Big Telecom Company Ranked in the Asian Top 10



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

Recorder

NVR

Total Solution

Your first priority for upgrading analog CCTV system to HD IP system

Do an easy upgrade from analog CCTV systems to HD IP systems with the best C/P ratio, and experience how simple it is for Auto Setup to install and configure the system, just the same as what you do for analog CCTV systems.

2MP@15FPS or 1MP@30FPS

Software:

64 CMS "Trident Standard" EagleEyes-Lite



With a Full HD 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.

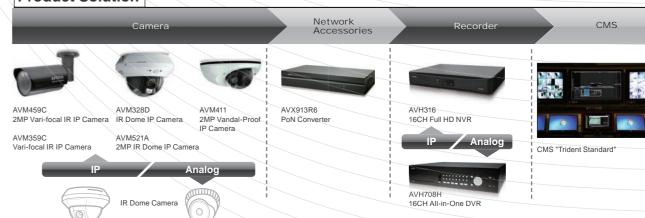


Users could immediately get notified of all abnormal system events for their surveillance systems (such as video loss, system being unlucked, no hard disk, etc.) from their smart phones by the function of Push



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**

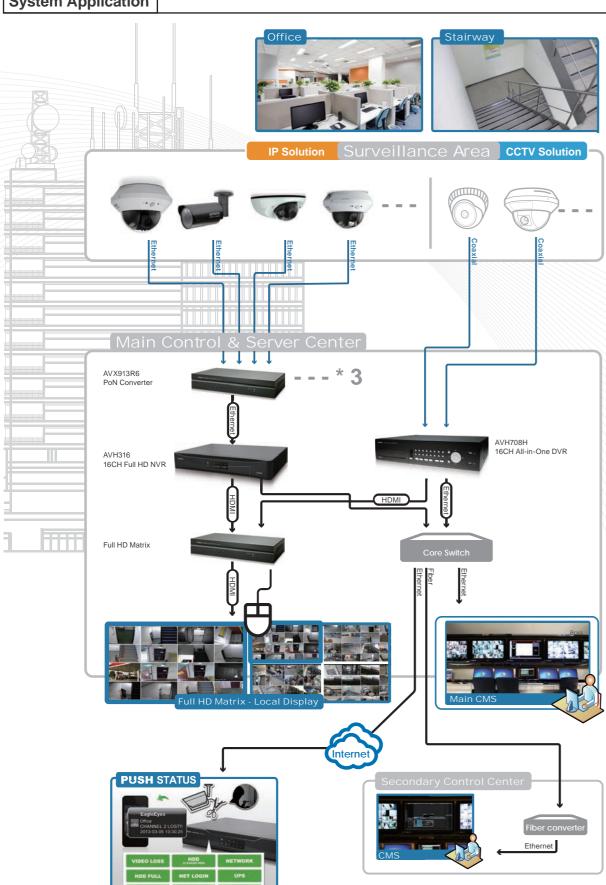




Camera:

High C/P 2MP or 1MP IP Camera

### **System Application**



### Product Features

This series includes the features as follows:

## Real-time Full HD Recording

Live: Real Full HD Display

It supports 1920\*1080 REAL HD display. It has 6 times higher resolution than CCTV DVR.

Record & Playback: Up to 2 Megapixel AVTECH NVR and Megapixel IP camera solution enable you to upgrade your surveillance system easily, which brings you clearer images for video recording and playback.



# Ea/Ly Auto Setup

To help installers and users to upgrade analog signals to digital signals, we have adopted Plug-and-Play technology to simplify the complicated network configurations in three steps. It will automatically finish network setup, display the video, and start recording. It's easy to setup and maintain as CCTV products.



# **ETS** Event Trigger System

When there's no alarm event, the NVR records at VGA resolution. When any external or built-in alarm triggers, the NVR will switch to Full HD recording for later checking. This also helps minimize file size effectively on the NVR site while keeping high quality evidence as well.



### Remote Total Solution

You can do live monitoring, intuitive image control, device configuration, and video backup search, as well as receive active event notifications with audio and video to guard what you care in 24 hours.







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

	Ch.	4 - 7
EagleEyes	08	
Office CHANNEL 2 L	OSTII	
2013-03-05 10		
VIDEO LOSS	HDD	NETWORK
VIDEO LOSS	(CLEARING HDD)	NETWORK
HDD FULL	The state of the s	
HUD FULL	NET LOGIN	UPS
POWER ON	NET LOGIN	UPS SYSTEM ABNORMAL



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.



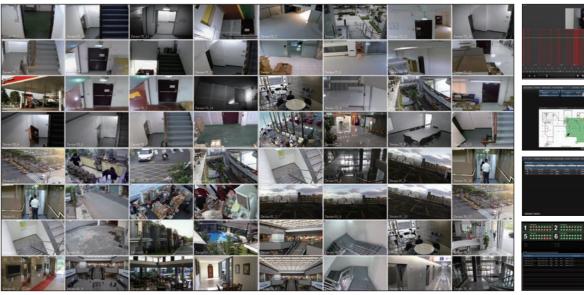


- PoE (Power over Ethernet): One-cable solution to transmit both video and power via one CAT5e cable
- Simple system without other accessories





### **Trident Standard**



AVTECH CMS Standard offers a friendly GUI for easy control and management of a 16CH ~ 64CH system.

	Client-server Mode	Client-server mode available to manage	larger system with multiple computers.
Architecture	Device Search	Supports device search of all NVR devices within a local netwo	
Architecture	Port Forwarding	Forwards ports automatically, and finds all the IP cameras un can then be easily man	
	Multiple monitor display	Supports up to 4-monitordisplay and at	ole to define purposes of each monitor.
	Total Live Display CH Number	Supports each monitor	up to 64CH live display.
	Area Live Display	Clicks on a defined group/area on E-map to watch liv	re footage of that area (up to 16 cameras / per area).
Live View &	Predefined Display	Supports 64ch Predefined fixed	d patent live streaming display.
Control	PTZ Control	Supports PTZ control via USB mouse (pan, tilt, zoom, focus, etc)	
	Digital PTZ Control	Supports digital PTZ to exami	ne part of a megapixel image
	Hotpoint Control	Supports Hotpoint control	function for PTZ camera
	Multi-layered Setup	Supports multi-layered maps with camera	a location on it for intuitive management
Е-Мар	Group Display	Cameras can be grouped by area, allowing u	sers 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
	Event Pop-up	When an event occurs, the event monitor pops up the channe supported. To see event playback with pre-	
Event Management	Camera Management No.	Manages up to 64 cameras.	
	Audio Alert	Supports audio alerts to attract users' attention to new events.	
	Alarm Input	Allows multiple alarm inputs to trigge	r PTZ camera move to preset points.
	Detection Schedule	Scheduled event detection allows event detection to we	ork only within specific period of time device by device
	Event Search	Searches video files by d	ate and time or by event.
Playback and	Video Playback	Plays video footage for 1 channel only at a time	
Backup	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	
	Computer Status	Shows the status of your PC, such as CPU usage, RAM usage, network upload/download speed, in the control panel fo loading check.	
Health Check	Regular Report	Detects and reports the system status periodically, such as NVR online/off-line, camera video loss, UPS status, HDD issu 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 / Guest.	
	File Export	Exports video f	iles from CMS.
	Channel Request	Below 64CH (including 64CH)	Below 32CH (including 32CH)
	CPU	Intel core i5 or above	Intel core i3 or above
	RAM	16GB or above	8GB or above
Minimum	Graphics Card	AMD HD7700 or above	Intel HD4000 or above
System Requirements	Hard Drive Type	at least 500	OGB space
,	Network	Gigabyte	Ethernet
	Operating System	Microsoft Windows 7	Professional 64-bit
	Browser	Microsoft Internet E	explorer 9 or above

# NVR Series

	AVH316	AVH315	AVH408P
Model	16CH NVR	16CH NVR	8CH NVR
QR Code			
Recording Throughput	Up to 120 IPS @ 1920 x 1080, Up to 48Mbps Up to 240 IPS @ 1280 x 720, Up to 48Mbps	Up to 240 IPS @ 1280 x 720, Up to 48Mbps	Up to 120 IPS @ 1920 x 1080, Up to 48Mbps Up to 240 IPS @ 1280 x 720, Up to 48Mbps
Hard Disk Storage	Up to two 4TB HDDs	Up to two 4TB HDDs	Up to two 4TB HDDs
PoE / PoN	-	-	PoE
CMS Support	YES	-	YES
eSATA Interface	YES	YES	YES
Push Status	YES	YES	YES
Push Video	-	_	YES

AVH0801	AVH800A6	AVH304A	AVH0401
	1071	Maria	
8CH HD Video Recorder	6CH NVR	4CH HD Video Recorder	4CH HD Video Recorder
		回答 計画 下海 () () () () () () () () () ()	
Up to 240 IPS @ 1280 x 720, Up to 32Mbps	Up to 180 IPS @ 720 x 480, Up to 32Mbps Up to 180 IPS @ 1280x 720, Up to 32Mbps Up to 90 IPS @ 1920 x 1080, Up to 32Mbps	Up to 120 IPS @ 1280 x 1024, Up to 32Mbps	Up to 120 IPS @ 1280 x 1024, Up to 32Mbps
Up to one 4TB HDD	Up to one 4TB HDD	Up to one 4TB HDD	Up to one 4TB HDD
PoN	-	PoE	PoN
	-	_	-
YES	YES	YES	YES
-	YES	YES	_
-	YES	YES	-

# IP Camera Series

2MP Models

	AVM459C	AVM459A	AVM458C	AVM457A
Model	IR Bullet IP Cam	IR Bullet IP Cam	IR Bullet IP Cam	IR Bullet IP Cam
QR Code				
Resolution	2MP 1920x1080	2MP 1920x1080	2MP 1920x1080	2MP 1920x1080
_ens	f2.8~12mm / F1.4~2.8	f2.8~12mm / F1.4~2.8	f3.8mm / F1.5	f3.8mm / F1.5
Viewing Angle	Wide: 111.7° (Diagonal) 97.4° (Horizontal) 58.1° (Vertical) Tele: 31.1° (Diagonal) 27.1° (Horizontal) 15.2° (Vertical)	Wide: 111.7° (Diagonal) 97.4° (Horizontal) 58.1° (Vertical) Tele: 31.1° (Diagonal) 27.1° (Horizontal) 15.2° (Vertical)	83.2° (Diagonal) 73.2° (Horizontal) 42.8° (Vertical)	85.4° (Diagonal) 73.2° (Horizontal) 47.4° (Vertical)
Audio	_	_	_	-
Crystal Image	-	-	-	-
ONVIF	YES	YES	YES	YES
PoE	YES	YES	YES	YES
R Effective Distance	Default: Up to 25 meters  IR enhanced mode: Up to 35 meters	Default: Up to 25 meters IR enhanced mode: Up to 35 meters	Default: Up to 25 meters IR enhanced mode: Up to 35 meters	Up to 20 meters
P Rating	IP66	IP66	IP66	IP67
/andal-Proof	-	-	-	_
Micro SD Card Support	YES	YES	YES	-
Heater	_	Optional	_	_

AVM428D	AVN420	AVM417A	AVM411
IR Dome IP Cam	IR Mini Dome IP Cam	IR Regular IP Cam	Vandal-Proof Dome IP Cam
2MP 1920x1080	2MP 1920x1080	2MP 1920x1080	2MP 1920x1080
f3.8mm / F1.5	f3.8mm / F1.5	f3.8mm / F1.5	f3.8mm / F1.5
85.4° (Diagonal) 73.2° (Horizontal) 47.4° (Vertical)	85.4° (Diagonal) 73.2° (Horizontal) 47.4° (Vertical)	83.2° (Diagonal) 73.2° (Horizontal) 42.8° (Vertical)	Wide: 111.7°(Diagonal) 97.4°(Horizontal) 58.1° (Vertical) Tele: 31.1° (Diagonal) 27.1° (Horizontal) 15.2° (Vertical)
YES	_	YES	_
	_	_	_
YES	YES	YES	YES
YES	YES	YES	YES
Up to 10 meters	Up to 20 meters	Up to 10 meters	_
	IP66	_	_
-	-	-	IK08
YES	-	_	YES
			_

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_	AVM403	AVM402	AVM401	AVM400B
Model	IR Bullet IP Cam	IR Dome IP Cam	Vandal-Proof Dome IP Cam	Box IP Cam
QR Code				
Resolution	2MP 1920x1080	2MP 1920x1080	2MP 1920x1080	2MP 1920x1080
Lens	f2.8~12mm / F1.4~2.8	f3.8mm / F1.5	f3.8mm / F1.5	-
Viewing Angle	Wide: 111.7° (Diagonal) 97.4° (Horizontal) 58.1° (Vertical) Tele: 31.1° (Diagonal) 27.1° (Horizontal) 15.2° (Vertical)	83.2° (Diagonal) 73.2° (Horizontal) 42.8° (Vertical)	83.2° (Diagonal) 73.2° (Horizontal) 42.8° (Vertical)	
Audio	-	YES	-	YES
Crystal Image	YES	YES	YES	_
ONVIF	YES	YES	YES	YES
PoE	YES	YES	YES	YES
IR Effective Distance	Default: Up to 25 meters IR enhanced mode: Up to 35 meters	Up to 15 meters	-	_
IP Rating	IP66	-	-	-
/andal-Proof	-	-	IK08	-
Micro SD Card Support	YES	YES	YES	YES
Heater	_	_	_	_

	_	
<b>O</b>	IP Camera Series	1.3MP Models

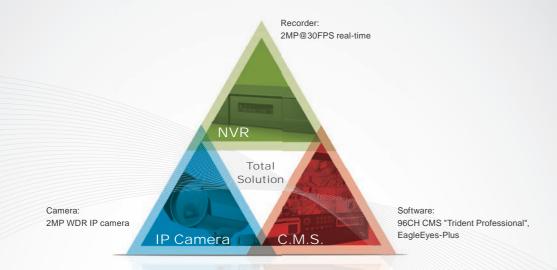
	AVM365A	AVM359C	AVM358C	AVM357A
Model	IR Bullet IP Cam	IR Bullet IP Cam	IR Bullet IP Cam	IR Bullet IP Cam
QR Code				
Resolution	1.3MP 1280x1024	1.3MP 1280x1024	1.3MP 1280x1024	1.3MP 1280x1024
Lens	f3.8mm / F1.5	f2.8~12mm / F1.4~2.8	f3.8mm / F1.5	f3.8mm / F1.5
Viewing Angle	62.7° (Diagonal) 53.7° (Horizontal) 34.1° (Vertical)	Wide: 124° (Diagonal) 92° (Horizontal) 73.6° (Vertical) Tele: 35.9° (Diagonal) 28° (Horizontal) 22.4° (Vertical)	80.4° (Diagonal) 65.4° (Horizontal) 49.9° (Vertical)	62.7° (Diagonal) 53.7° (Horizontal) 34.1° (Vertical)
Audio	_	-	_	_
Crystal Image		-	_	-
ONVIF	YES	YES	YES	YES
PoE	YES	YES	YES	YES
IR Effective Distance	Up to 25 meters	Default: Up to 25 meters  IR enhanced mode: Up to 35 meters	Default: Up to 25 meters  IR enhanced mode: Up to 35 meters	Up to 20 meters
IP Rating	IP67	IP66	IP66	IP67
Vandal-Proof		-	_	_
Micro SD Card Support	-	YES	YES	_
Heater		Optional	Optional	_

## IP Camera Series 1.3MP Models

AVM332 AVM328D AVN320 Model IR Dome IP Cam IR Dome IP Cam IR Mini Dome IP Cam QR Code 1.3MP 1.3MP Resolution 1280x1024 1280x1024 1280x1024 Lens f2.8~12mm / F1.4~2.8 f3.8mm / F1.5 f3.8mm / F1.5 Wide: 92° (Horizontal) 73.6° (Vertical) 80.4° (Diagonal) 80.4° (Diagonal) 124° (Diagonal) 65.4° (Horizontal) Viewing Angle 65.4° (Horizontal) Tele: 49.9° (Vertical) 49.9° (Vertical) 28° (Horizontal) 22.4° (Vertical) 35.9° (Diagonal) YES Audio Crystal Image ONVIF YES YES YES YES YES YES PoE Default: Up to 20 meters IR Effective Up to 10 meters Up to 15 meters Distance IR enhanced mode: Up to 30 meters IP66 IP Rating Vandal-Proof IK08 Micro SD Card YES YES Support Heater

AVM317B	AVM311	AVM302A
IR Regular IP Cam	Vandal-Proof Dome IP Cam	Cube IP Cam
1.3MP 1280x1024	1.3MP 1280x1024	1.3MP 1280x1024
f3.8mm / F1.5	f3.8mm / F1.5	f3.8mm / F1.5
62.7° (Diagonal) 53.7° (Horizontal) 34.1° (Vertical)	62.7° (Diagonal) 53.7° (Horizontal) 34.1° (Vertical)	62.7° (Diagonal) 53.7° (Horizontal) 34.1° (Vertical)
YES	-	YES
	-	-
YES	YES	YES
Up to 10 meters	-	_
	-	_
//-///	IK08	-
	YES	YES







#### 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



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

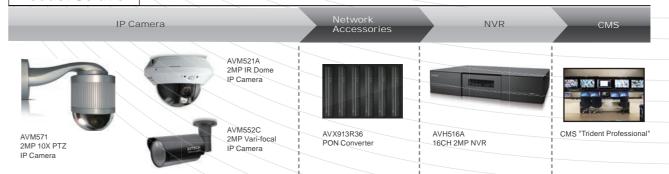


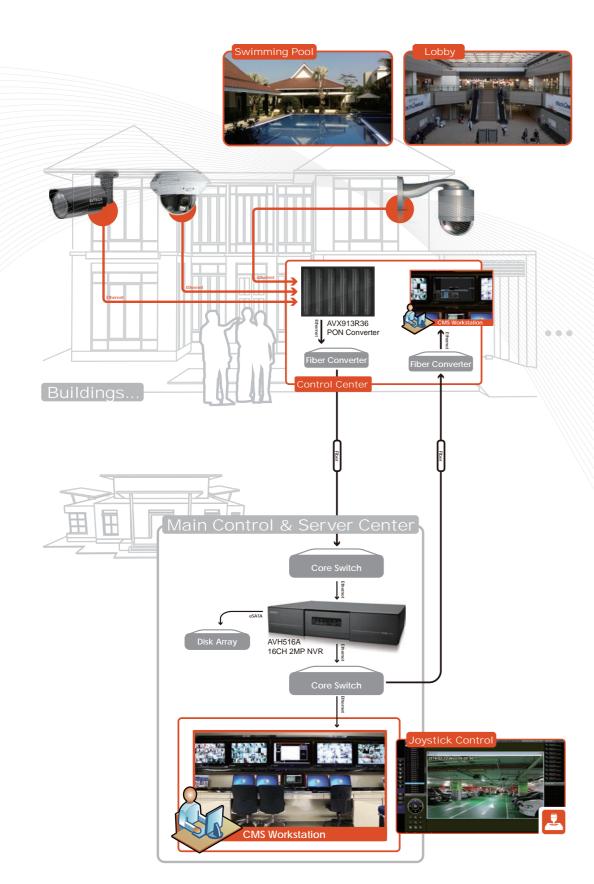
Worked with AVTECH CMS, users could use the joystick to control PTZ IP cameras, and switch the display by entering the pre-configured camera ID or group ID.



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

### **Product Solution**







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

## WDR Series - Wide Dynamic Range Series

#### [A] Tunnel

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

#### [B] Office Building

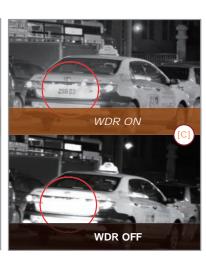
outside and a dark indoor environment, common scenarios in retail shops or business buildings.

#### [C] Car License

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







### **SOLil) 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













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.



# Hamiltonian Multicasting

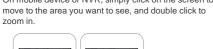
All NVRs in the surveillance system and the CMS support multicasting to enhance the transmission efficiency among all NVRs and the CMS, helping users located in different secondary control rooms to quickly get what they want to see without video lag.



# PTZ Control

Hot point on mobile device or NVR

On mobile device or NVR, simply click on the screen to









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.



**○** CMS Trident Professional



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.	
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).	
Predefined Display	Supports 96ch Predefined fixed patent live streaming 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.	
	Supports group view function. Each group contains up to 36CH and unlimited groups can be sequence display. 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	
Hotpoint Control	Supports Hotpoint control function for PTZ camera	

	► Professional Series	
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<b>E</b> -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		
Smart Search	Smart Search allows users to search motion events in a selected area of a camera image.(This function mu work with selected NVR & IP camera models.)		
Detail Check & Snapshot	Supports full-screen playback in high resolution and digital PTZ to examine part of a megapixel image, whil 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			
Channel Request	Below 96CH (including 96CH)		
CPU	Intel i7-3770K processor or above		
RAM	16GB or above		
Graphics Card	GTX660 2G or above		
Hard Drive Type	at least 500GB space		
Network	Gigabyte Ethernet		
Operating System	Microsoft Windows 7 Professional 64-bit		
Browser	Microsoft Internet Explorer 9 or above		



	AVH516A	AVH504P	
Model	16CH NVR	4CH NVR	
QR Code			
Recording Throughput	Up to 480 IPS @ 1920 x 1080, Up to 120Mbps	Up to 120 IPS @ 1920 x 1080, Up to 48Mbps	
Hard Disk Storage	Up to three 4TB HDDs	Up to two 4TB HDDs	
CMS Support	YES	YES	
eSATA Interface	YES	YES	
Push Status	YES	YES	
Push Video	-	YES	

Economic Seri

A∭⇒o∟∟ŏ Professional Ser

Project-oriented Se

eripherals

PUSH WIDE IP Camera Se

## → IP Camera Series 2MP Series

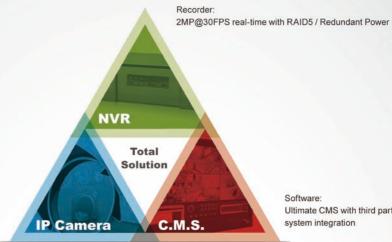
	AVM583	AVM571	AVM565A
Model	PATECH		
	PTZ IP Cam	PTZ IP CAM	IR Bullet IP Cam
QR Code			
Resolution	2MP 1920x1080	2MP 1920x1080	2MP 1920x1080
Lens	f4.7~94mm / F1.6~3.5	f6.0~60mm / F2.0~2.8	f6.0~60mm / F2.0~2.8
Viewing Angle	1X: 68.3° (Diagonal) 60.8° (Horizontal) 35.3° (Vertical) 20X: 3.8° (Diagonal) 3.4° (Horizontal) 1.9° (Vertical)	1X: 53.5° (Diagonal) 47.3° (Horizontal) 27.5° (Vertical) 10X: 6.1° (Diagonal) 5.3° (Horizontal) 3° (Vertical)	1X: 53.5° (Diagonal) 47.3° (Horizontal) 27.5° (Vertical) 10X: 6.1° (Diagonal) 5.3° (Horizontal) 3° (Vertical)
WDR	YES	YES	-
Audio	-	-	-
ONVIF	YES	YES	YES
PoE	YES	YES	YES
IR Effective Distance	-	-	Default: up to 40 meters  IR enhanced mode: up to 60 meters
IP Rating	IP66	IP67	IP67
/andal-Proof	-	-	-
Micro SD Card Support	YES	-	-
Heater	_	_	_



2M		

AVM561	AVM552C	AVM542B	AVM521A
	A.T.E.C.M	PATRON CONTROL OF THE PARTY OF	
IR Bullet IP Cam	IR Bullet IP Cam	Vandal-Proof Dome IP Cam	IR Dome IP Cam
2MP 1920x1080	2MP 1920x1080	2MP 1920x1080	2MP 1920x1080
6.0~60mm / F2.0~2.8	f2.8 ~ 12mm / F1.4 ~ 2.8	f2.8~12mm / F1.4~2.8	f3.8mm / F1.5
1X: 53.5° (Diagonal) 47.3° (Horizontal) 27.5° (Vertical) 10X: 6.1° (Diagonal) 5.3° (Horizontal) 3° (Vertical)	Wide: 111.7° (Diagonal) 97.4° (Horizontal) 58.1° (Vertical) Tele: 31.1° (Diagonal) 27.1° (Horizontal) 15.2° (Vertical)	Wide: 111.7° (Diagonal) 97.4° (Horizontal) 58.1° (Vertical) Tele: 31.1° (Diagonal) 27.1° (Horizontal) 15.2° (Vertical)	83.2° (Diagonal) 73.2° (Horizontal) 42.8° (Vertical)
YES	YES	YES	YES
<u>                                     </u>	-	YES	YES
YES	YES	YES	YES
YES	YES	YES	YES
Default: up to 40 meters IR enhanced mode: up to 60 meters	Default: up to 25 meters  IR enhanced mode: up to 35 meters	Default: up to 30 meters  IR enhanced mode: up to 50 meters	Up to 15 meters
IP67	IP66	IP66	_
	-	IK10	_
-	YES	YES	YES
Optional	Optional	Optional	

	AVM511	AVM503	AVM500
Model	Vandal-Proof Dome IP Cam	Motorized-Pan IR Dome IP Cam	Box IP Cam
QR Code			
Resolution	2MP 1920x1080	2MP 1920x1080	2MP 1920x1080
Lens	f3.8mm / F1.5	f3.8mm / F1.5	-
Viewing Angle	83.2° (Diagonal) 73.2° (Horizontal) 42.8° (Vertical)	83.2° (Diagonal) 73.2° (Horizontal) 42.8° (Vertical)	-
WDR	YES	YES	YES
Audio	-	YES	YES
ONVIF	YES	YES	YES
PoE	YES	YES	YES
IR Effective Distance	-	Up to 15 meters	-
IP Rating	1-	-	1 -
Vandal-Proof	IK08	-	-
Micro SD Card Support	YES	YES	YES
Heater	-	-	_



Camera: 2MP WDR IP camera with POC, Seamless Recording

Ultimate CMS with third party POS, and alarm system integration



### Your first priority for iconic projects

Work with AVTECH to customize your needs, and explore different unique features and spec-in for different system applications, such as seamless recording and third party integration.

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



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

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.

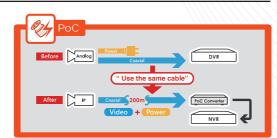
### System Benefit



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 recordng time. Users could still search the recordings they want by time on

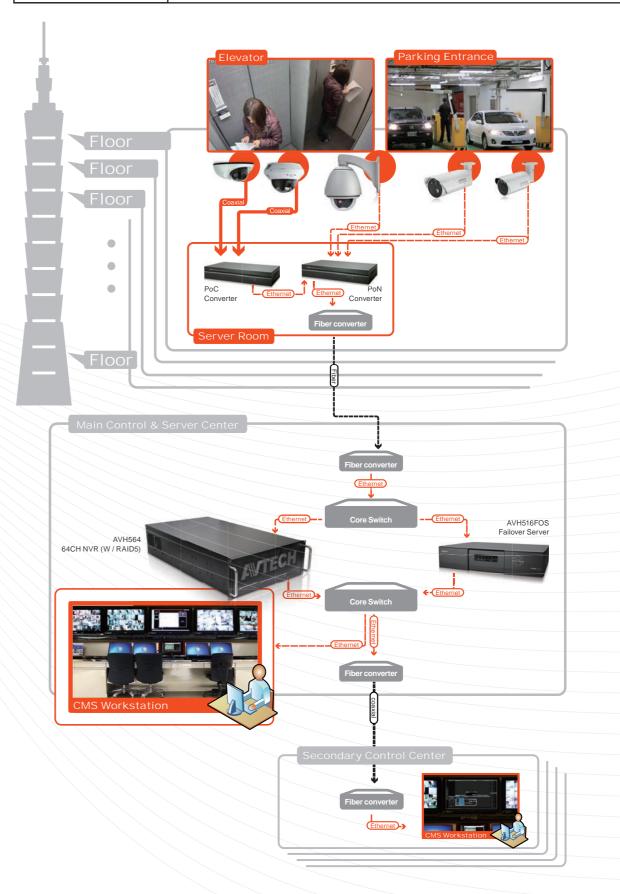


PoC, power-over-coaxial, is a technology to transfer power and video signals via one coaxial cable per camera, eliminating the need to arrange power adapters additionally. For HD IP system upgrade projects, this technology also save the cost to replace existing coaxial cables with network cables. The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

#### **Product Solution**



### System Application

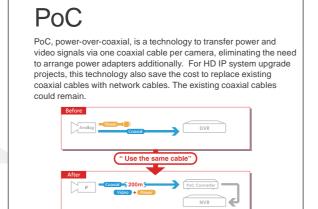


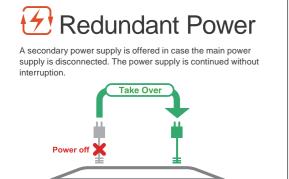


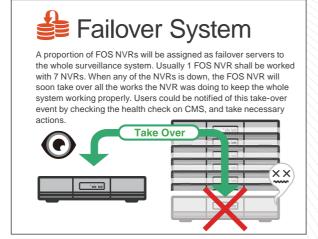
This series includes all the features of Apollo and Mars series, and also the unique features as follows:

The configurations of each device are saved indivitually and periodically in the system. When any of the devices is down, it could be replaced quickly without further configurations, and the system works normally. System maintenance and servicing are easy without requiring particular IP technicians.

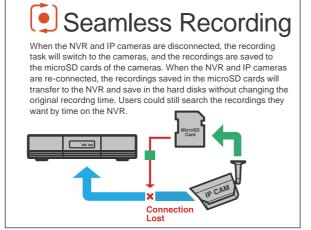














Architecture	
Client-server Mode	Client-server mode available to manage larger system with multiple computers.
Device Search	Supports device search of all NVR devices within a local network, and also allows connection to a remote NVR via Internet for off-site management.
Port Forwarding	Forwards ports 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.
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).
Predefined Display	Supports 96ch Predefined fixed patent live streaming 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.
	Supports group view function. Each group contains up to 36CH and unlimited groups can be sequence display.  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
Hotpoint Control	Supports Hotpoint control function for PTZ camera

<b>E</b> -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 even 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
Smart Search	Smart Search allows users to search motion events in a selected area of a camera image. (This function muswork with selected NVR & IP camera models.)
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	
Channel Request	Below 96CH (including 96CH)
CPU	Intel i7-3770K processor or above
RAM	16GB or above
Graphics Card	GTX660 2G or above
Hard Drive Type	at least 500GB space
Network	Gigabyte Ethernet
Operating System	Microsoft Windows 7 Professional 64-bit
Browser	Microsoft Internet Explorer 9 or above



	AVH564	AVH516 Plus	AVH516S	AVH516 FOS	
Model	Jamech		Time	8	
	64CH 2MP NVR with Disk Array	16CH 2MP NVR with Disk Array	16CH 2MP Professional NVR	16CH Failover Server	
QR Code					
Recording Throughput	Up to 1920 IPS @ 1920x1080, Up to 480Mbps	Up to 480 IPS @ 1920x1080, Up to 120Mbps	Up to 480 IPS @1920x1080, Up to 120Mbps	Up to 480 IPS @ 1920x1080, Up to 120Mbps	
Hard Disk Storage	Up to 45 HDDs (RAID5)	Up to 10 HDDs (RAID5)	Up to 3 HDDs	Up to 3 HDDs	
Seamless Recording & Smart Search	YES	YES	YES	Seamless Recording Only	
Push Status/ Video	YES	YES	YES	YES	
Redundant Power Supply	YES	YES	-	_	
Failover	-	-	-	YES	

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	AVP583	AVP571	AVP561	AVP561CW
Model	PTZ IP Cam	PTZ IP Cam	IR Bullet IP Cam	IR Bullet IP Cam
QR Code				
Resolution	2MP 1920x1080	2MP 1920x1080	2MP 1920x1080	2MP 1920x1080
Lens	f4.7~94mm / F1.6~3.5	f6.0~60mm / F2.0~2.8	f6.0~60mm / F2.0~2.8	f6.0~60mm / F2.0~2.8
Viewing Angle	1X: 68.3° (Diagonal) 60.8° (Horizontal) 35.3° (Vertical) 20X: 3.8° (Diagonal) 3.4° (Horizontal) 1.9° (Vertical)	1X: 53.5° (Diagonal) 47.3° (Horizontal) 27.5° (Vertical) 10X: 6.1° (Diagonal) 5.3° (Horizontal) 3.0° (Vertical)		1X: 53.5° (Diagonal) 47.3° (Horizontal) 27.5° (Vertical) 10X: 6.1° (Diagonal) 5.3° (Horizontal) 3.0° (Vertical)
WDR	YES	YES	YES	YES
Audio	-	_	-	-
ONVIF	YES	YES	YES	YES
PoC	YES	YES	YES	YES
IR Effective Distance	-	_	Default: up to 40 meters  IR enhanced mode: up to 60 meters	Default: up to 40 meters IR enhanced mode: up to 60 meters
IP Rating	IP66	IP67	IP67	IP67
Vandal-Proof	-	-	-	-
Micro SD Card Support	YES	-	*	*

AVP561DW	AVP552A	AVP552CW	AVP552DW
IR Bullet IP Cam	IR Bullet IP Cam	IR Bulle	et IP Cam
2MP 1920x1080	2MP 1920x1080	2MP 1920x1080	2MP 1920x1080
f6.0~60mm / F2.0~2.8	f2.8~12mm / F1.4~2.8	f2.8~12mm / F1.4~2.8	f2.8~12mm / F1.4~2.8
1X: 53.5° (Diagonal) 47.3° (Horizontal) 27.5° (Vertical) 10X: 6.1° (Diagonal) 5.3° (Horizontal) 3.0° (Vertical)		Wide: 111.7° (Diagonal) 97.4° (Horizontal) 58.1° (Vertical)Tele: 31.1° (Diagonal) 27.1° (Horizontal) 15.2° (Vertical)	
YES	YES	YES	YES
YES	_	_	YES
YES	YES	YES	YES
YES	YES	YES	YES
Default: up to 40 meters	Default: up to 25 meters	<b>Default:</b> up to 25 meters	<b>Default:</b> up to 25 meters
IR enhanced mode: up to 60 meters	IR enhanced mode: up to 35 meters	IR enhanced mode: up to 35 meters	IR enhanced mode: up to 35 meters
IP67	IP66	IP66	IP66
1-//	-	_	_

\*Customization could be discussed case by case with certain charge:

Мо	del	QR Code	Description	
AVX912R6A			This PoC (power-over-coaxial) converter supports power supply to up to 6 AVP IP camera series through coaxial cables, and the distance between each camera and the device can be up to 200 meters.	

AVX912R16		This supp cable device
		l

Peripheral Series

This PoC (power-over-coaxial) converter supports power supply to up to 16 AVP IP camera series through coaxial cables, and the distance between each camera and the device can be up to 200 meters.

This EoC (ethernet over coaxial) converter can be used to transfer video data and supply power of two AVM IP

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AVX912T2

**AWTECH** 

Coaxial →	73			
AVPXXX*6	AVX912R6A PoC Converter		HDMI monitor  HDMI	
AVPXXX*16	AVX912R16 PoC Converter	Ethernet → NVR	Ethernet CMS	
Ethernet	ATTECH Coaxial			
AVMXXX*2	AVX912T2 AVX912R PoC Transmitter PoC Receiver			

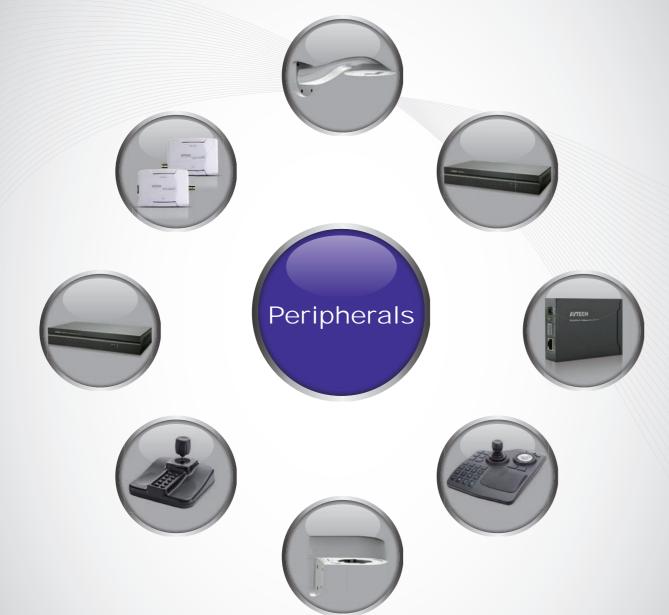
_	AVP542A	AVP542B	AVP521A	AVP511
Model	Vandal-Proof	Dome IP Cam	IR Dome IP Cam	Vandal-Proof Dome IP C
QR Code				
Resolution	2MP 1920x1080	2MP 1920x1080	2MP 1920x1080	2MP 1920x1080
Lens	f2.8~12mm / F1.4~2.8	f2.8~12mm / F1.4~2.8	f3.8mm / F1.5	f3.8mm / F1.5
Viewing Angle	58.1° (Ve Tele: 31.1° (Di	orizontal) ertical) agonal) orizontal)	85.4° (Diagonal) 73.2° (Horizontal) 47.4° (Vertical)	83.2° (Diagonal) 73.2° (Horizontal) 42.8° (Vertical)
WDR	YES	YES	YES	YES
Audio	-	YES	YES	-
ONVIF	YES	YES	YES	YES
PoC	YES	YES	YES	YES
IR Effective Distance	Default: up to 30 meters  IR enhanced mode: up to 50 meters	Default: up to 30 meters  IR enhanced mode: up to 50 meters	Up to 15 meters	-
IP Rating	IP66	IP66	-	-
Vandal-Proof	IK10	IK10	-	IK08
Micro SD Card Support	YES	YES	YES	YES

This PoN (power-over-network) converter supports 48V DC power supply to IP

cameras through network cables, and the distance between an IP camera and

This video server could turn a traditional analog camera into a network camera. It

also supports local video recording when a microSD card (up to 64GB) is inserted

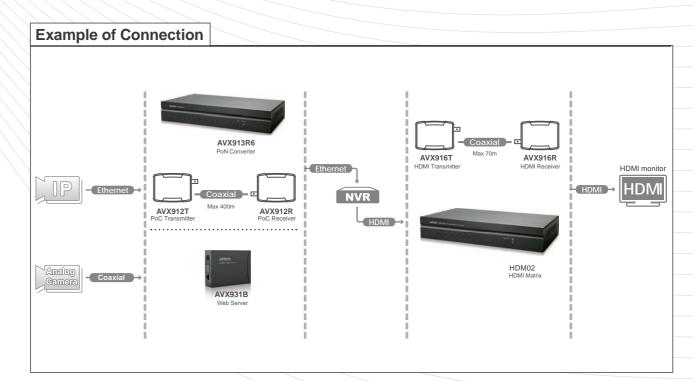


Peripherals Model QR Code Description This Full HD Matrix is able to combine up to 4 HDMI signals to a single HDMI HDM02 display with control. To have one more display with control, an optional HD video extender, AVX916R, could be used. Full HD Matrix This converter is used to easily upgrade your CCTV camera to a megapixel IP AVX912T/R camera with existing coaxial cabling. This converter allows signals to transmit over coaxial cables up to 400m(5C2V)@22Mbps. **EoC Converter** This converter is used to extend the Full HD transmission distance up to 100 meters with a RG-6 coaxial cable. Also, the control signals from the USB mouse / keyboard, and IR remote control are able to be transferred. Users may install AVX916T/R the NVR in the machine room and set the monitor in the security center locally. They do not need to have another computer in the security center for remote NVR **HoC Converter** 

AVX913R6

AVX931B

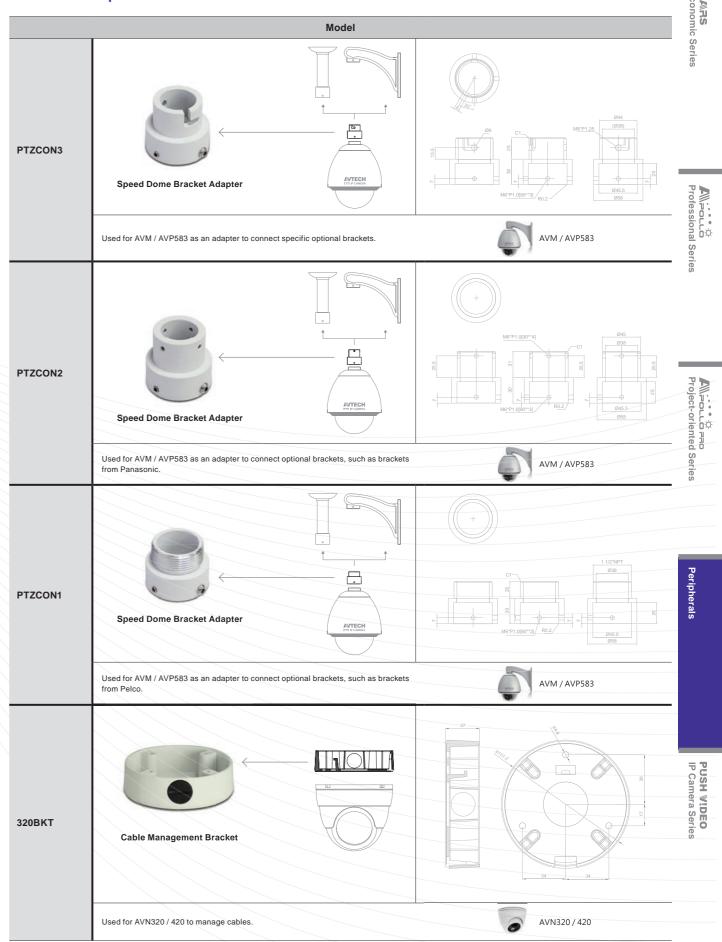
**PoN Converter** 



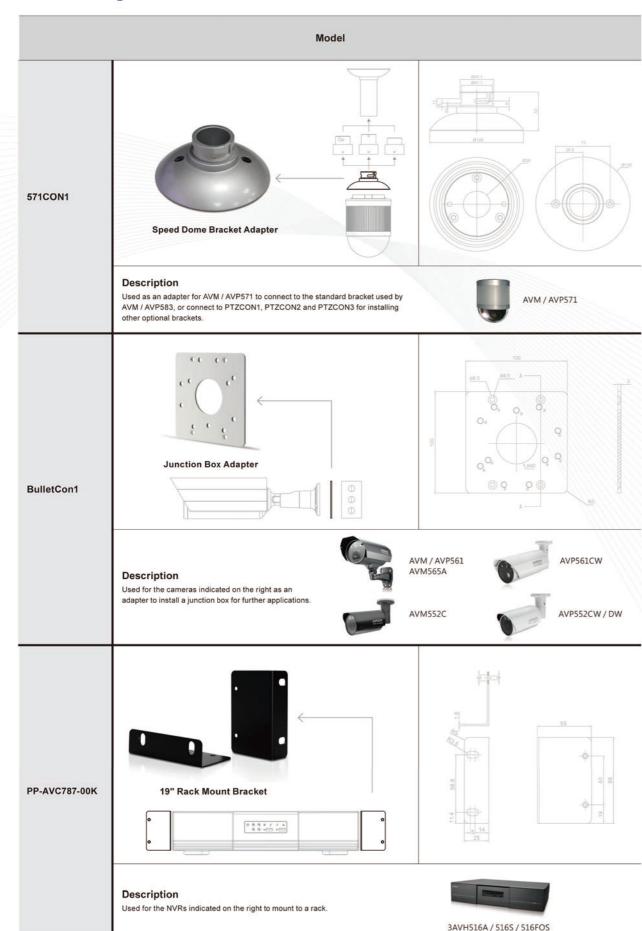
# Peripherals

	•		
	Model	QR Code	Description
AVX951A	Control Box		This control box is designed with 4 inputs and 4 outputs for external devices connection and control.
AVX102	Joystick		This joystick is used with AVTECH CMS "Trident" to make advanced control of PTZ cameras, such as configuring preset points and cruise group.
AVX101	Joystick		This joystick is used with AVTECH CMS "Trident" to make basic control of PTZ cameras.
AVM542- BKT(A)	Camera Bracket		This bracket is suitable for the following models:  AVM542B / AVP542A / AVP542B
AVM542- BKT(B)	Camera Bracket		This bracket is suitable for the following models:  AVM542B / AVP542A / AVP542B  AVM503 / AVM521A / AVM428D / AVM402 / AVM328D / AVP521A

Peripherals



# **Peripherals**







#### Freeze the Key Moment!

When the Push Video IP camera detects an event, it will immediately send an event notification to your mobile device within 5 SEC., and meanwhile, EagleEyes, our mobile app will be activated automatically for remote video playback.

90° (Diagonal) 69° (Horizontal) 53° (Vertical)	YES	YES	-	-	-	-	
62.7° (Diagonal) 53.7° (Horizontal) 34.1° (Vertical)	YES	YES	-	YES	-	YES	
80.4° (Diagonal) 65.4° (Horizontal) 49.9° (Vertical)	YES	-	-	-	-	YES	
80.4° (Diagonal) 65.4° (Horizontal) 49.9° (Vertical)	YES	-	-	-	-	YES	
80.4° (Diagonal) 65.4° (Horizontal) 49.9° (Vertical)	-	-	-	YES	YES	YES	
80.4° (Diagonal) 65.4° (Horizontal)							
49 9° (Vertical)	YES			YES	YES	YES	

YES

YES

YES

EaZy Networking

Wireless

ONVIF

PoE

Audio

YES

YES

YES

49.9° (Vertical)

62.7° (Diagonal) 53.7° (Horizontal) 34.1° (Vertical)

Viewing Angle

	Model	QR Code	Resolution	Lens
AVN701EZ			D1 720x480	f3.6mm / F2.0
AVN803EZ	Cube IP Cam		1.3MP 1280x1024	f3.8mm / F1.5
AVN80X			1.3MP 1280x1024	f3.8mm / F1.5
AVN90X	Cube IP Cam		1.3MP 1280x1024	f3.8mm / F1.5
AVM807C	IR Bullet IP Cam		1.3MP 1280x1024	f3.8mm / F1.5
AVM808A	IR Dome IP Cam		1.3MP 1280x1024	f3.8mm / F1.5
AVN815EZ	Wireless IP Cam		1.3MP 1280x1024	f3.8mm / F1.5

Micro SD Card

Support

### Proposal of Product Solution

Discarding the spec. comparison and price competition fo a single product at the IP market, AVTECH, on the other hand, offers matured IP total solutions, i.e. IP cameras for video capture, NVR for video storage, and CMS for central management. AVTECH has the full range of products to handle all kinds of applications and proejct requests, further detailed as below:



## Small-scaled Solution 4~16

Suitable for small-scaled HD systems with economic entry-level products



1.3 Megapixel IP Camera Series - AVM3xx

720P 16CH / 8CH / 4CH NVR AVH315, AVH0401 (PoE), AVH0801 (PoE), AVH304 (PoE & Push Video)





### Small-scaled Solution

- I. Suitable for projects with strict requirements of quality and performance
- 2. Full HD 1080P real-time live display and recording
- 3. Basic system management with CMS "Trident Standard"



2 Megapixel IP Camera Series - AVM4xx & AVM5xx Speed Dome IP Camera - AVM583 (20x), AVM571 (10x), AVM503

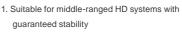


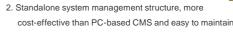
1080P 16CH / 8CH / 4CH NVR AVH504P (PoE + Push Video)



PC-based CMS "Trident Standard"

### Medium-scaled Solution







1.3 Megapixel IP Camera Series - AVM3xx



720P 16CH / 8CH / 4CH NVR AVH315, AVH0401 (PoE), AVH0801 (PoE), AVH304 (PoE & Push Video)



Full HD Matrix - HDM02

HDM02 is capable of combining HDMI signals of 4 DVRs or NVRs to a single HDMI display as a stand-alone CMS solution.

#### \* PC-based CMS

\* Standalone CMS



1. Suitable for middle-ranged HD systems with endless possibilities of applications

Medium-scaled Solution

2. Perfect integration of analog & IP products in one system (IP or analog cameras for video capture, DVR or NVR with 720P/1080P for video storage, and standalone or PC-based CMS for system management) with various solutions and competitive pricing

3. Flexible enough to fulfill the mainstream demand of IP surveilance market



1.3 Megapixel IP Camera Series - AVM3xx

2 Megapixel IP Camera Series - AVM4xx & AVM5xx Speed Dome IP Camera - AVM583 (20x), AVM571 (10x), AVM503



Analog AVTECH Analog Camera



NVR 1080P 16CH / 8CH / 4CH NVR - AVH316



DVR AVTECH 16CH / 8CH / 4CH Push Video DVR



PC-based CMS

"Trident Professional" / "Trident Standard"



Full HD Matrix - HDM02

HDM02 is capable of combining HDMI signals of 4 DVRs or NVRs to a single HDMI display as a stand-alone CMS solution.



Hybrid Solution



Medium-scaled Solution

- Suitable for high-end middle-ranged systems with 1080P real-time solutions
- 2. Worked with standalong CMS or PC-based CMS, based on your needs
- 3. More unique and cost-effective than PC-based solutions



2 Megapixel IP Camera Series - AVM4xx & AVM5xx Speed Dome IP Camera - AVM583 (20x), AVM571 (10x), AVM503



NVR 1080P NVR - AVH516A / AVH408P / AVH504P



CMS PC-based CMS "Trident Professional" / "Trident Standard"

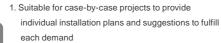


Full HD Matrix - HDM02

HDM02 is capable of combining HDMI signals of 4 DVRs or NVRs to a single HDMI display as a stand-alone CMS solution.

\* PC-based CMS





64CH ~ 1000+CH

2. Customized requirements of hardware, software and system integration are available with certain charges



Megapixel IP Camera Series - AVM3xx 2 Megapixel IP Camera Series - AVM4xx & AVM5xx



1080P 16CH NVR - AVH516A

Other project-oriented products (discussed case by case)

Speed Dome IP Camera - AVM583 (20x), AVM571 (10x), AVM503



PC-based CMS "Trident Professional"

This CMS manages over 1000 channels and is capable of multiple monitor output with extra advanced functions charged according to your need.

# Multi-site Management Solution

reliability and / maintenance efficiency. At the remote site (control center), use PC-based CMS "Trident Professional" as the management center to monitor thousands of standalone systems with customized features. Recordings are securely saved in each local standalone system, and multi-site monitoring and control are easily done by CMS "Trident Professional" at the remote site. This solution covers budget and reliability, and shall be the first priority of this type of system integration.





Megapixel IP Camera Series - AVM3xx 2 Megapixel IP Camera Series - AVM4xx & AVM5xx Speed Dome IP Camera - AVM583 (20x), AVM571 (10x), AVM503

NVR 1080P 16CH / 8CH / 4CH NVR AVH516A, AVH316 / AVH408P (PoE + Push Video) / AVH504P (PoE + Push Video)

CMS

PC-based CMS "Trident Professional"

This CMS manages over 1000 channels and is capable of multiple monitor output with extra advanced functions charged according to your need. Features, such as POS, IVA, LPR, etc, could be discussed case by case

## Correspondence between products and function

PC-based CMS "TRIDENT":	The powerful central management software can basically deal with 64 channels and up to unlimited channels. The extra advanced functions are charged according to your need.
Compatible NVR / DVR with "Trident":	1.AVH316, AVH504P, AVH408P, AVH516A, other advanced models 2.All AVTECH 960H DVRs
Compatible NVR / DVR with "HDM02":	All AVTECH NVRs / DVRs with HDMI output
NVR / DVR with multicasting:	AVH504P, AVH408P, AVH316, AVH516A, other advanced project-based models
NVR / DVR with Push Video:	AVH304, AVH504P, AVH408P, AVH316PV, AVH800A6







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