

### 1080P HD CCTV Camera



### HD CCTV DVR



### Control Center



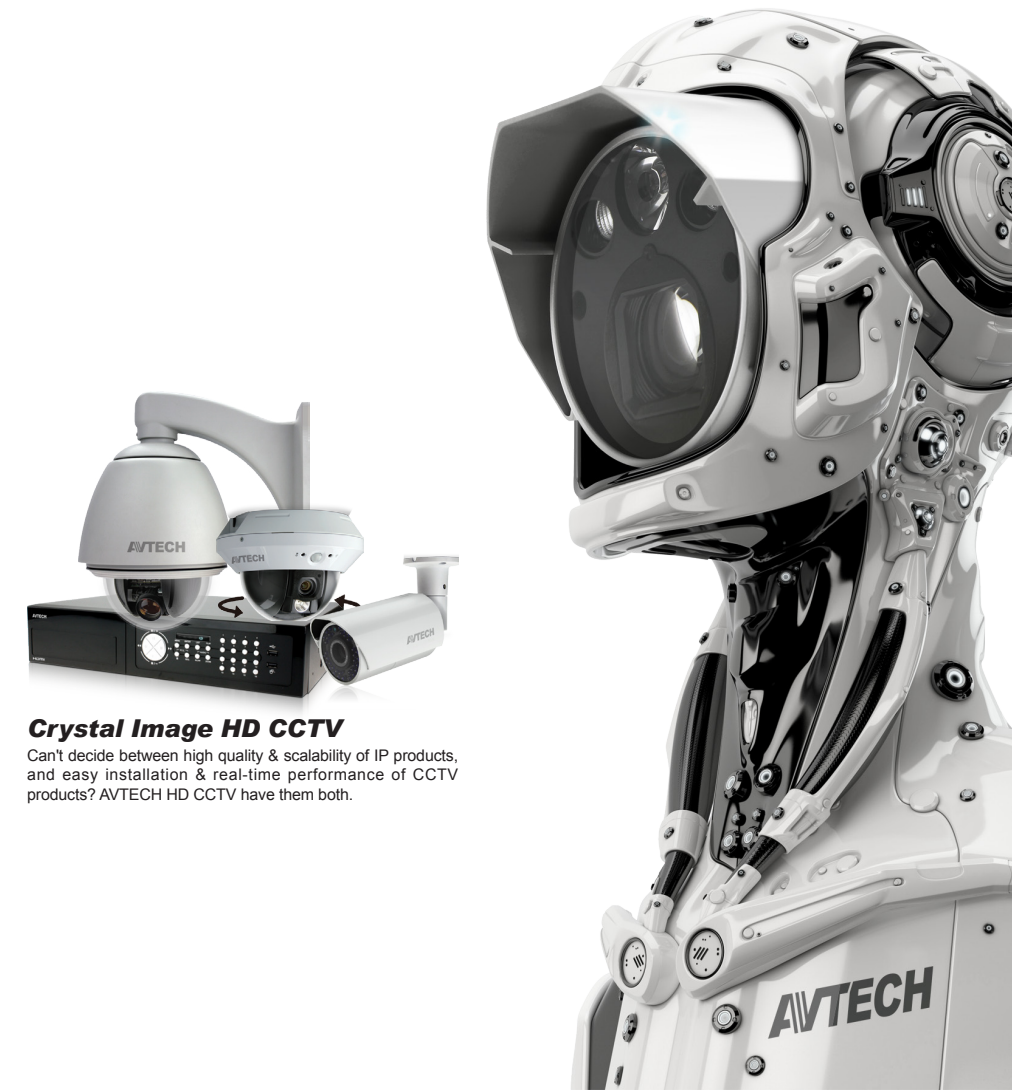
**HD CCTV**  
MAKE CCTV SYSTEM EVOLVE

Distributor

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AVTECH

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### Crystal Image HD CCTV

Can't decide between high quality & scalability of IP products, and easy installation & real-time performance of CCTV products? AVTECH HD CCTV have them both.

### TVI MAKES SURVEILLANCE UPGRADE, AVTECH HD CCTV MAKES CCTV EVOLVE

The traditional analog CCTV solution was in an intricate position when the HD IP solution was introduced to the surveillance market. It could not satisfy the thirst for demanding HD video quality though it has its benefits of easy installation / setup, fluent video display, high stability and long transmission distance.

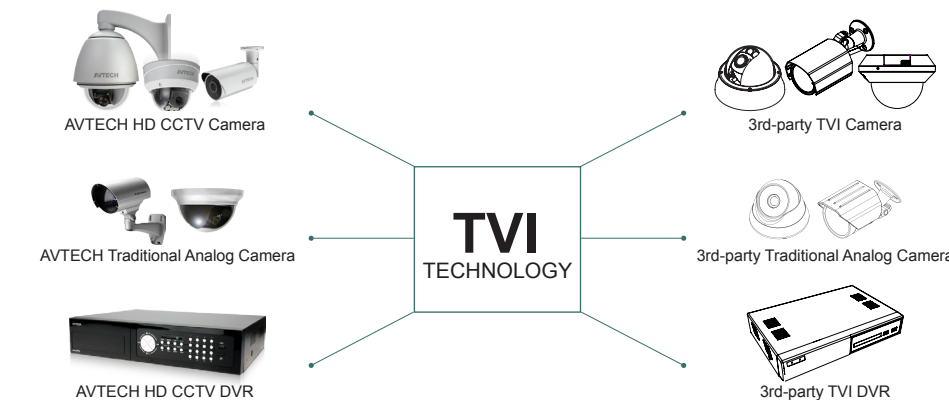
However, this position is no longer existed when the TVI solution is introduced to the market. It includes all advantages the traditional analog CCTV solution has, and upgrades the video quality to HD at 720P and 1080P. The transmission distance is also extended to 500 meters for both video and control signals.

And AVTECH HD CCTV solution makes the TVI solution even better. With all the advantages the TVI solution possesses, the AVTECH HD CCTV solution adds more values with its unique features to increase the flexibility for all applications.



### Open TVI Technology for 3rd-Party Device Compatibility

The AVTECH HD CCTV solution supports both HD TVI-compliant and traditional analog cameras for 1080P, 960H and D1 video recording, providing flexible and trouble-free connection to build the whole system.



### Long Distance Video Transmission via Coaxial Cable

One of the benefits for the TVI solution is its long distance video transmission coaxial cables, which is greater than traditional analog solutions and the HD-SDI solution. Besides HD video signals, it could also transfer control signals to control AVTECH HD CCTV speed dome and motorized cameras directly from the DVR, making camera adjustment and configuration easier than before.



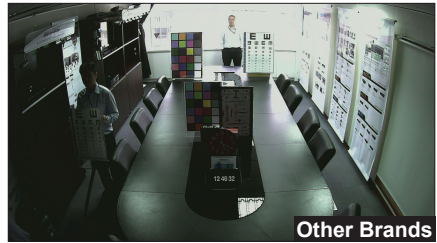
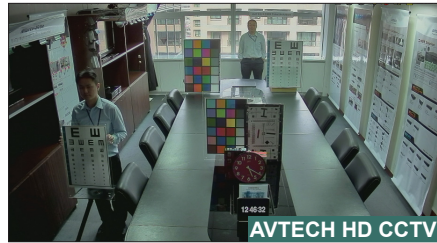


## Video Performance between HD CCTV and Analog Systems

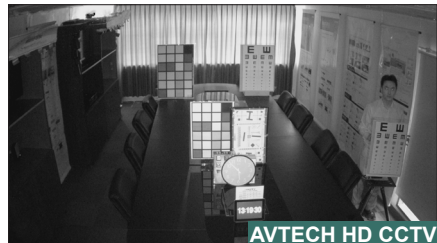
The advantages of AVTECH HD CCTV system:

1. HD video performance at 1080P / 720P to get clear images even when video zoom is made.
2. WDR (Wide Dynamic Range) supported to increase image recognizability in the overexposure and dark areas

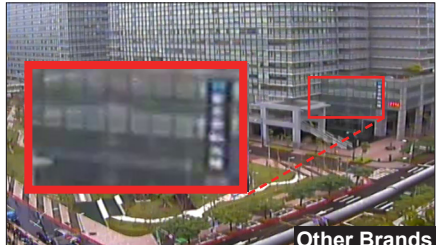
### Indoor Day View



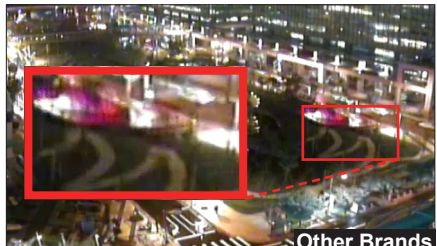
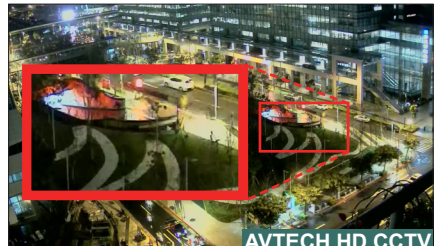
### Indoor Night View



### Outdoor Day View



### Outdoor Night View



## WDR (Wide Dynamic Range)

With WDR, the AVTECH HD CCTV solution is especially suitable for overexposure and dark areas to increase image recognizability. It's always easy to tell who and what's there.



With WDR

Without WDR

## User-friendly Camera Configuration via DVR OSD

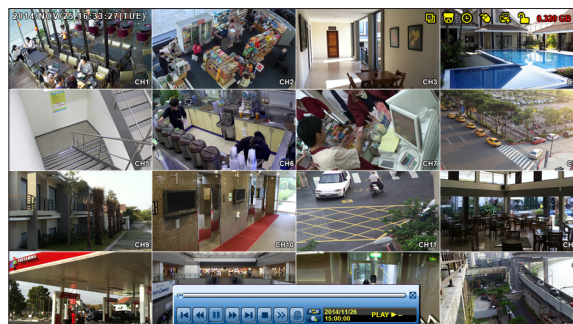
AVTECH HD CCTV cameras have their own setting menu for more advanced configurations, and the setting menu could be accessed easily via AVTECH HD CCTV DVR OSD.



On DVR Control

On Camera OSD

## Video Playback



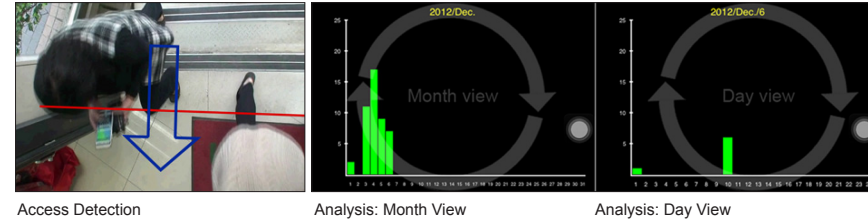
For video playback, AVTECH HD CCTV DVR supports multiple channels playback simultaneously, allowing users to check all recordings at the same time to quickly find out what they need.

To further check a specific channel in a full screen, just click on the channel, and use the playback control panel to get what they need.

Multiple channels playback simultaneously

## IVS

The AVTECH HD CCTV solution supports IVS (Intelligent Video System) to set a virtual detection line for people counting, virtual fence, and one-way pass. It's the advanced usage for motion detection to not only record but also summarize the detection data for further analysis.



Access Detection

Analysis: Month View

Analysis: Day View

## Push Video - Real-time Event Notification

Every time PUSH VIDEO solution detects an event, our HD CCTV DVR will immediately send an event notification to your mobile device within five seconds, and meanwhile, EagleEyes, the mobile surveillance app will be activated automatically for remote video playback.



Slide to enable Push Video

Push Video lets you get event video notification within 5 sec.

HD CCTV DVR

Active Push message

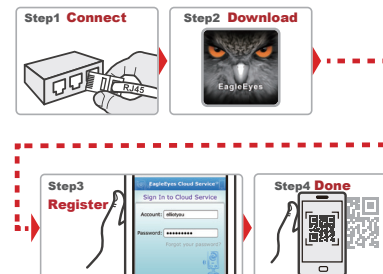
Video playback (3-sec pre-alarm recording)

Backup on mobile device

## EaZy Networking

### Plug & Play

EaZy Networking is developed for AVTECH products (DVR / DVR / IP cameras) to simplify network configurations by just a few steps.



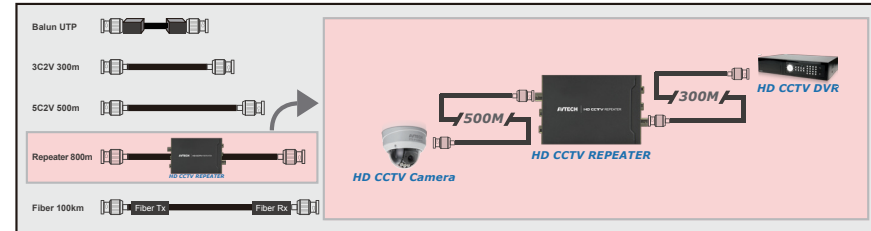
### Buddy

You can easily share your EaZy Networking account and classify your Buddy to many levels to access your cloud device separately.



## HD CCTV Transmission Accessories

The transmission quality between the recorders and cameras is ensured without latency via coaxial cables (3C2V / 300 meters), balun UTP, and fiber (with AVTECH TVI fiber converter). For the transmission distance between 500 to 800 meters, an HD CCTV repeater could be used to extend the distance without losing the lens control feature and video / audio. For the transmission distance over 800 meters, a fiber converter could be used.



## HD CCTV Performance

	HD CCTV (AVTECH TVI)	TVI	CVI	AHD	SDI	IP
Resolution	1080P	1080P	1080P	720P	1080P	>1080P
Transmission Distance by Coaxial Cable <sup>1</sup>	up to 500m	up to 500m	up to 500m	up to 500m	Only 150m	
960H Compatible	✓	✓		✓		
Latency						✓
WDR	✓					✓
Push Video	✓					
Alarm I/O (ETS <sup>2</sup> )	✓					
IVS (Intelligent Video System)	✓					
EaZy Networking <sup>3</sup>	✓					
Solid Light <sup>4</sup>	✓					
Camera Control	✓	✓	✓	✓		✓
Motorized Design <sup>5</sup>	✓					
System Scalability	Strong	Weak	Weak	Weak	Weak	Strong

1. Transmission distance depends on the quality of using cable. According to our actual test, the transmission distance reached to the 500m while using appropriate cables.

2. ETS, Event-Trigger System, is the unique alert technology developed by AVTECH to combine alarm detection into IP cameras, and send active notifications to mobile devices when used with the NVR models which supports Push Video.

3. EaZy Networking is the unique technology developed by AVTECH to simplify complicated network configurations into a few steps, and the setup will be completed within 3 minutes.

4. Solid Light is the smart and efficient lighting solution to extend the IR effective distance and IR LED lifetime as well as produce suitable and uniform brightness on images without overexposure.

5. Some cameras are equipped with the motorized mechanism, such as motorized pan or motorized zoom lens to offer flexibility on surveillance.