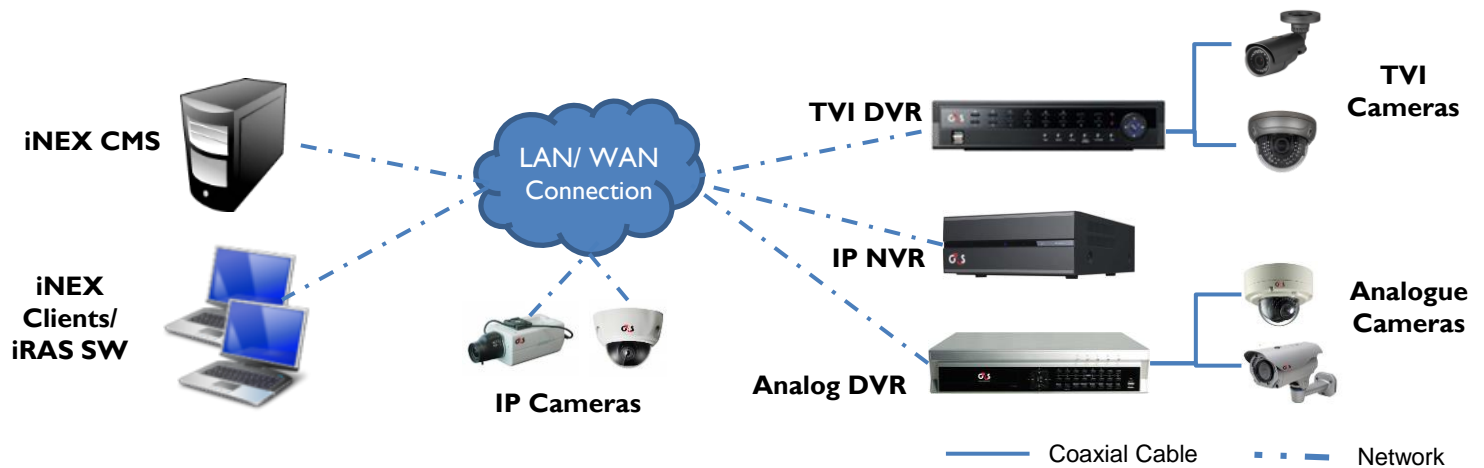


# HD-TVI Systems

**HD-TVI** “High Definition Transport Video Interface” which is HD CCTV standard based on coaxial cable. As the analogue 960H can’t meet the clarity requirements of customers, IP CCTV also had its weaknesses such as network delay. A market demand for HD analogue CCTV based on coaxial cable emerged, so 1MP/2MP full HD video chipset was introduced.

## Full HD Over Coaxial features

- TVI is Progressive-Scan HD analogue video chipset based on coaxial cable.
- Operates the same as the traditional analogue infrastructure. It follows the same wiring regulations with 960H, which means customers can upgrade their 960H to HD-TVI easily by just replacing the Camera & DVR.
- Compared with HD-SDI, TVI has a longer transmit distance without any signal loss.
- Compared with IP CCTV, TVI doesn’t have problems such as delay, signal loss and more stable.



## HD-TVI advantages, HD-TVI vs Analogue

Among current HD solutions, the distance of transmission, compatibility and cost are common problems. In this context, the HD-TVI technology can provide a more economical, easier to install and use solution for high definition analogue surveillance systems.

The HD-TVI can convert digital signal to analogue signal for expanding its transmission distance, lower total cost, reducing total video storage space. Through coaxial cable, the video transmission distance can reach up to 300~500 meters without obvious video quality loss. Simply users can upgrade their surveillance system to a brand new 2MP HD system, this doesn't require extra installation knowledge and cost.

	TVI	Analogue
Video Resolution	1MP / 2MP	960H (700TVL)
Coax Cable Distance (RG59)	Up to 500m	Up to 300m
Twisted Cable Distance (Cat 5e)	200m +	Up to 100m
1MP ips supported	25/ 30/ 50/ 60	N/A
2MP ips supported	25/ 30	N/A
DVR Interoperability	Wide DI(960H)/ 1MP/ 2MP	Wide DI(960H)

# HD-TVI Range

## What about the compatibility of TVI?

Before choosing a new technology, many people might have some doubts, such as future compatibility and availability. However, for TVI, there is no such concern.

Customers can freely choose their TVI suppliers due to the wide-range of supply chains for TVI on the market. Therefore, TVI became an industry standard, not a proprietary technology/solution.

TVI is a future-proof technology, which has high interoperability and compatibility with other video surveillance products. For example, G4S TVI DVRs can be compatible with third party IMP and 2MP cameras simultaneously and 960H analogue cameras, this can enormously benefit G4S customers, especially in terms of reducing inventory.

## TVI Product Line

To meet the market needs, G4S has developed comprehensive TVI product portfolios. The company's complete TVI product line is ready now including 4/8/16 channel TVI DVRs and TVI cameras.

- 25ips @ Full HD Resolution
- Progressive scan Full HD 2MP Sensor
- Wide Dynamic Range function tolerating different lighting.
- TVI & CVBS(960H) Outputs
- Motion, Privacy masking, 3D-DNR, Mirror Functions

<b>PTZ</b>		TFT-22033BI	30x Zoom PTZ UTC Function AHD Output Digital WDR
<b>Box</b>		TV740CT	C/CS lens Mount
<b>All-in-One</b>		TV560HTL	42IR LEDs (40m) Vari-focal Lens 2.8~12mm Ø71mm Size IP67 Weatherproof
		TV561HTL	24IR LEDs (20m) Fixed Lens 3.6mm Ø60mm Size IP67 Weatherproof
<b>Vandal Dome</b>		TVI60VTL* TVI60VT	*28IR LEDs (25m) Vari-focal Lens 2.8~12mm Ø129mm Size IP67 Weatherproof
		TV350DTL	28IR LEDs (25m) Vari-focal Lens 2.8~12mm Ø129mm Size
<b>Indoor Dome</b>		TV240DTL	24IR LEDs (25m) Fixed Lens 3.6mm Ø112mm Size
		TV9610VTL	10IR LEDs (10m) Fixed Lens 3.6mm Ø90mm Compact Size IP67 Weatherproof
<b>Mini Vandal Dome</b>		TV9610VTL	10IR LEDs (10m) Fixed Lens 3.6mm Ø90mm Compact Size IP67 Weatherproof
<b>Special</b>		TV042M	Miniature ATM Fixed lens 3.7mm 34 x 34 mm Size



# HD-TVI DVRs

Below Range for G4S TVI DVRs, which can manage, monitor and record TVI and 960H Analog cameras, G4S TVI DVRs is fully integrated with earlier DVR systems to the same management software and control options to ease expansion and upgrade for earlier sites

- Hybrid TVI 2MP, 1MP & CVBS(960H) DVRs
- Up to Real-Time HD/ Full HD Recording for all channels
- HDMI,VGA & BNC\* Outputs
- Built-in Audio and Alarms
- Supports UTC (HD-TVI camera OSD control over Coax)\*\*
- Expandable up to 32TB using 4 SATA interfaces and eSATA storage interface\*
- Remote Administration SW iRAS for full monitoring and management

\*ED3304: HDMI & VGA outputs only, Up to 8TB

\*\*Please ask for compatibility

<b>DVRs</b>		ED3204	4 Ch. 50ips @ Full HD 2HDD Same design and Functionality of GDL041A
		SD3208	8 Ch. 100ips @ Full HD 4HDD, eSATA Same design and Functionality of GDS082A
		SD3216	16 Ch. 200ips @ Full HD 4HDD, eSATA Same design and Functionality of GDS164A
		XD3316	16 Ch. 400ips @ Full HD 4HDD, eSATA Same design and Functionality of GDY164L

## What are options for Remote Management?

G4S-TVH DVRs are compatible with both options iNEX and iRAS; which you can combine analog DVRs and TVI DVRs as well. iRAS software is included with the DVRs

- All-in-one Enhanced Multi Tab User-friendly Remote Software
- Up to 1,024 of DVRs & IP Cameras can be registered
- Smart GUI with Up to 13 Tabs Each can be Monitored on Separate Monitor
- Live Monitoring from Different DVRs & IP cameras on 4 Live tabs, 64ch/Tab with PTZ Control
- 4 Play Tabs, 64ch/Tab with Powerful Search Modes
- 2 Map Tabs: Customized Maps with Cameras, Alarms, Motion & Pop Up
- Health Tab for Health Checking for the DVRs & IP Cameras
- Status Tab Displays the Status of a Desired Device
- Report Tab for Export Logs for the Devices & Health
- Notification of Events Detected at Devices & Event Monitoring
- HDP Hard Disk Player function to playback recorded data from the removed HDDs
- Remote Setup & Upgrade for DVRs/IP
- Panic Recording on iRAS Station
- Supports Two-way Audio Communication
- Remote video Clip Copy & Image Printing

