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**Zicom Electronic Security Systems Ltd.**

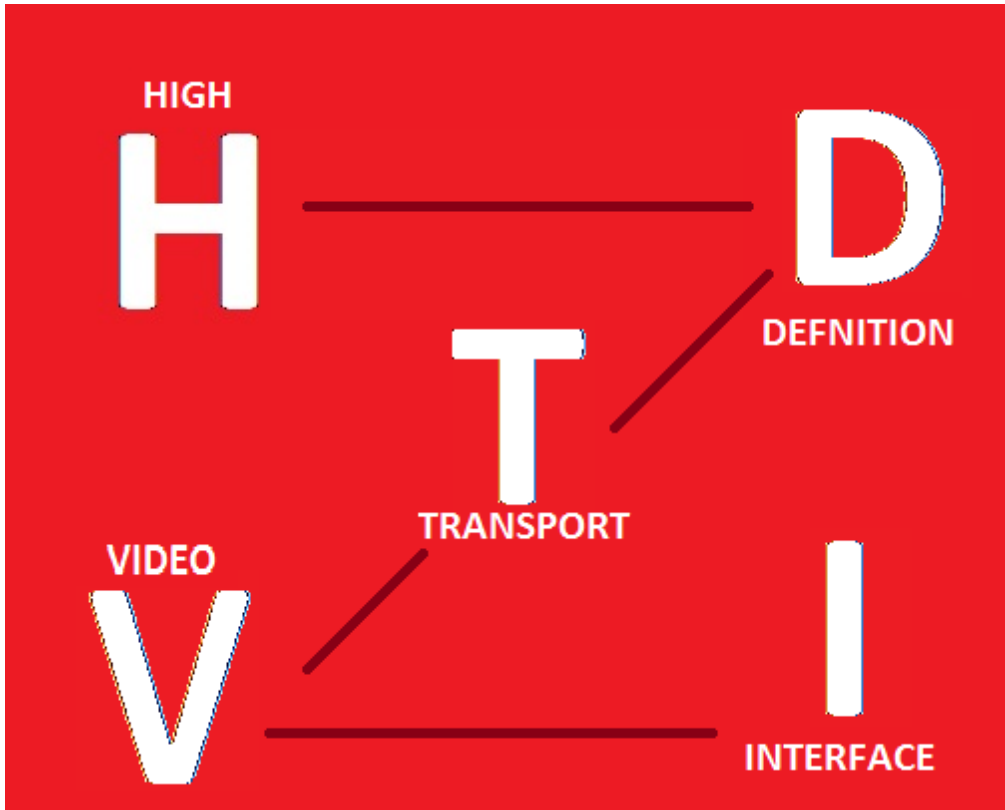
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## HD-TVI SOLUTIONS

*Good News! New generation of coaxial HDTVl by ZICOM is coming !!!!!!!!*

*ZICOM's new generation of coaxial HDTVl is a technology dedicated to enhance all aspects of coaxial HD performance, which makes clearer HD devices and equipment with adaptive access, and more intelligent system. The emergence of the technology will effectively solve many existing problems of the present coaxial HD products.*

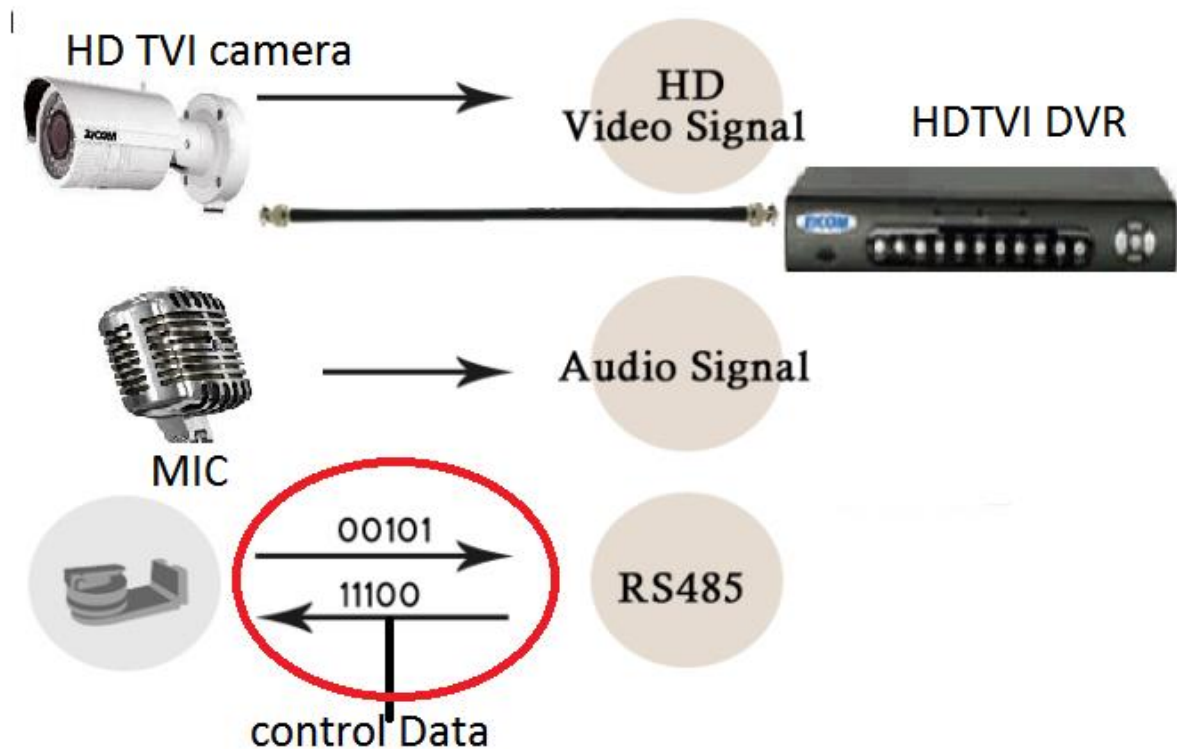
*HDTVl, (High Definition Transport Video Interface) is the HD Video transmission Interface. HDTVl technology can be implemented in existing situation. On the existing transmission line, reliable HD video signal transmission. The core of HDTVl technology is based on HDTVl chip, which processes the signals at the front end cameras and back-end encoder respectively increase the sending and receiving capability. This improves data transmission distance, through the ZICOM's advanced image processing technology. The back-end encoding technology further enhances the image quality and at the same time, avoids the inherent shortcomings of the CVBS system like crosstalk, the luminance and chrominance separation etc.*





## HD TVI TECHNOLOGY INTRODUCTION

- Based on a coaxial cable, support HD Video (720P/1080P), audio, data signal transmission over long distance.



## TECHNOLOGY ADVANTAGES

- High video quality on HD 720P and 1080P
- Transmits Video Signal; Audio signal and bi-directional data communication signal over single coaxial cable.
- HD video transmission without video quality loss & delay.
- HD Video transmission over longer distance (300-500m).
- Connections remain the same as original analogue system without any changes. (Coax/UTP).
- Real Time preview without delay ( No Latency)
- Easy Installation – Same as Analogue System.
- 300m-500m Transmission Distance over regular 75-3 (3C2V) coaxial cable.
- Video/Audio/ PTZ control - All in single coax cable.



## **HDTVI HD Surveillance Typical Applications**

### **Steps to Setup HD-TVI Surveillance:**

- 1- HD-TVI camera to replace original analog camera
- 2- HD-TVI HD DVR to replace traditional DVR

### **HD-TVI HD Solution Advantage:**

- 1- Greatly Enhance local real-time surveillance video quality, clear video
- 2- No change in Cabling and type of cables.
- 3- Affordable Cost.

## HIGHLIGHTS

- HD Video Format
- Analog Modulation
- Transmission over Coaxial Cable
- Composite Video/Audio/PTZ Signals
- Bi-directional Data Transmission
- Auto Compensation & Long Range  
Transmission.



## TVI VS ANALOGUE

PARAMETERS	HD-TV	ANALOGUE
Video Resolution	720P/1080P	960H(700 TVL)
Coax Cable Distance	300/500m (1000/1500 ft)	180/300m (600/1000 ft)
Twisted Cable Distance (Cat 5.e standard)	200+ m (700 ft) (directly or using Balun)	100m (330 ft) (using Balun)
720P specification Supported (FPS)	25/30/50/60	NA
1080P specification supported (FPS)	25/30	NA
DVR could mix Up 720P & 1080P signal at the same time	YES	NA

## TVI VS CVI

PARAMETERS	HD-TVI	HD-CVI
Coax Cable Distance	300/500m (1000/1500 ft)	300/500m (1000/1500 ft)
Twisted Cable Distance (Cat 5.e standard)	200+ m (700 ft)	100m (330 ft)
720P specification Supported (FPS)	25/30/50/60	25/30/50/60
1080P specification supported (FPS)	25/30	25/30
DVR could mix Up 720P & 1080P signal at the same time	YES	No
Chipset Solution Vendor	Third party	Proprietary

## TVI VS SDI

<b>PARAMETERS</b>	<b>HD-TVI</b>	<b>HD-SDI</b>
Image Quality	720P/1080P	720P/1080P
RS-485 Control over Coaxial	Yes	Additional Equipment Required
Transmission over Twisted Cable	Yes	Additional Equipment Required
Transmission Distance	Max 500m	Max 150m

## HD-TVI VS IPCAM

<b>PARAMETERS</b>	<b>HD-TVI</b>	<b>HD-SDI</b>
Image Quality	720P/1080P	720P/1080P
Transmission Distance	Max 500m	100m
Setup	Easy	Complex