

## TVI16UTP 16-Channel HD Video Passive Transceiver



### FEATURES

- Built in 16-port passive HD video transceiver in 1U 19" rack mounting panel.
- Choice of 4 x RJ45 or 4 sets x 8 pin removable screw terminal for 16 channel inputs /outputs.
- Used to send HD-TVI/AHD/CVI/ CVBS signal over UTP cable.
- Good for resolutions up to 5MP.
- Passive, no power required.
- Eliminate coaxial cable.
- Use in conjunction with TVIUTP or TVIUTPPT (Sold Separately).
- Built in ESD, EFT (impulse noise) and transient protection.

### INSTALLATION VIEW

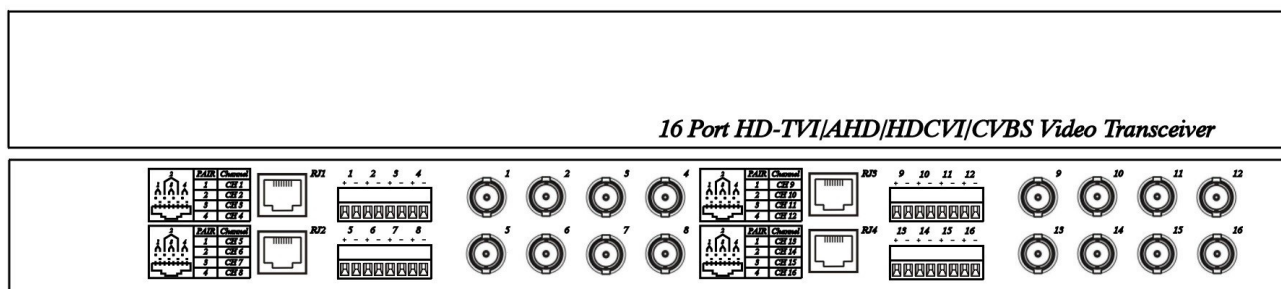


HD-TVI/AHD/HDCVI/CVBS Video Balun Distance Chart

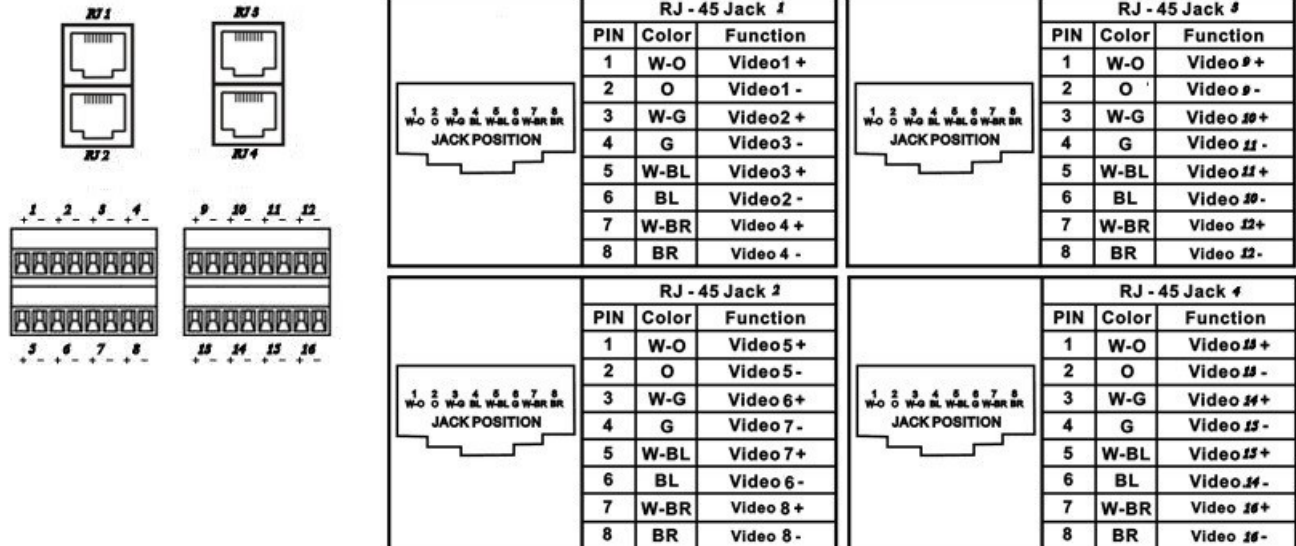
| HD-TVI                               | AHD                                  | HDCVI                                | CVBS        |
|--------------------------------------|--------------------------------------|--------------------------------------|-------------|
| 1080P 820' (250M)<br>5MP 656' (200M) | 1080P 820' (250M)<br>4MP 656' (200M) | 1080P 984' (300M)<br>5MP 656' (200M) | 984' (300M) |

The distance may be affected by the quality of cable, camera, DVR, etc. This installation should be made by a qualified service person and should conform to all local codes.

### PANEL VIEW



## RJ45 JACK PIN DEFINITION



**NOTE:** These devices are reversible, BNC connector = RJ45

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## RECOMMENDED CABLE

Use high quality CAT5e UTP or CAT6 UTP cable. The maximum working distance is 984' (300m). The distance may be affected by the quality of cable, camera, DVR.

## CAUTION

1. The cabling must be kept away from any equipment with electromagnetic waves, i.e.: microwaves, radio equipment, high voltage, etc.
2. Must use the same video format camera to avoid any interference.

## SPECIFICATIONS

|                              |                                                                                                                                                        |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Input /Output          | BNC x 16 (1 Vp-p , 75 Ohm)                                                                                                                             |
| RJ45 Output                  | 8 Pin removable terminal x4 (100 Ohm) /RJ45 x4                                                                                                         |
| Cable                        | CAT5e/CAT6 or UTP                                                                                                                                      |
| Bandwidth                    | 50Hz ~ 60MHz ( -3dB )                                                                                                                                  |
| Transmission Distance        | 1080P: HD-TVI 820' (250M), AHD 820' (250M), HD-CVI 984' (300M)<br>4M/5MP: HD-TVI 656' (200M), AHD 656' (200M), HD-CVI 820' (250M)<br>CVBS: 984' (300M) |
| Power                        | Passive                                                                                                                                                |
| ESD protection               | 30 KV(Air) , 15 KV (Contact) ; IEC 61000-4-2 compliant                                                                                                 |
| EFT protection               | 40A(5/50ns) ; IEC 61000-4-4 compliant                                                                                                                  |
| Lightning protection         | 2A (8/20μs) ; IEC 61000-4-5 compliant                                                                                                                  |
| Surge Protection Attack Time | < 1 nS                                                                                                                                                 |
| Environmental Specifications | Operation: 32 to 131°F (0 to 55°C), Storage: -4 to 185°F (-20 to 85°C)<br>Humidity: up to 95%                                                          |
| Dimensions (W x H x D)       | 19" (483mm) x 4.1" (103.5mm) x 1.73" (44mm) (1U)                                                                                                       |
| Weight                       | 3 lbs. (1380g)                                                                                                                                         |

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