

**HDTV/CVI/AHD Balun**  
**Model Number: SJ-01B-TVI**

**Product Description:**

**SJ-01B-TVI** is a passive high definition balun with transmission distance up to 200m over UTP cable. It can be used as both transmitter and receiver, suitable for the expansion and application of HDTV/CVI/AHD video surveillance system, such as office building, community, school and hospital, etc.

**Product Feature:**

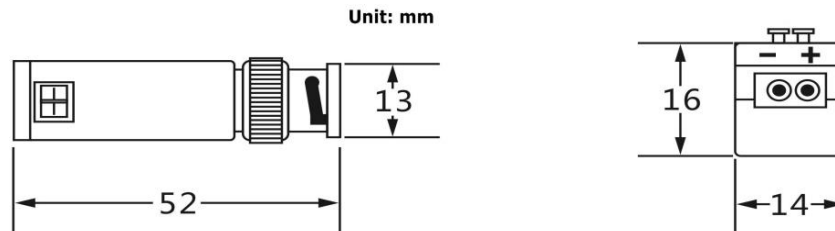
- ◆ No need to provide power with push-pin terminals
- ◆ Transmit HDTV signal up to 200m, HDCVI signal up to 300m, AHD signal up to 300m
- ◆ Support 720P (25 / 30FPS) and 1080P (25 / 30FPS)
- ◆ Compatible with HDTV, HDCVI and AHD
- ◆ Built-in transient protection



**Technical Parameters:**

Connectors	BNC, push-pin terminals
Cable	UTP Cat5 / Cat5E / Cat6
Impedance	Unbalance 75Ω; Balance 100Ω
Format	720P, 1080P for HDTV, HDCVI and AHD
Signal to Noise Ratio	≥60dB
Temperature	-25°C ~ +70°C
Humidity	0 ~ <95% (Non-condensation)

**Product Dimension:**



**Note:** This connection is with screw terminals. Recommend the cable  $>0.18\text{mm}^2$  ( $<1\text{mm}^2$ ).

**Product Connection Diagram:**



**Product Installation Instructions:**

	Step	Installation Instruction
	1	Connect the video signal to BNC terminal of Transmitter (1).
	2	Connect UTP cable to the negative pole (2) of Transmitter.
	3	Connect UTP cable to the positive pole (3) of Transmitter.
	4	Connect UTP cable to the positive pole (4) of Receiver.
	5	Connect UTP cable to the negative pole (5) of Receiver.
6	Connect the video signal of Receiver to display device (6).	

**Use Notes:**

**Cable Selection**

1. Recommend to choose the standard cables to achieve the excellent image effect.
  - a. Single wire diameter should be above 0.5 mm.
  - b. Resistance of single wire with 100 meters shouldn't exceed 10Ω.
  - c. Cable twist density should reach Cat5 standard.
  - d. Cable flame resistance and flexibility should reach national standard.
2. Suggest you use waterproof type cable to ensure the image effect and long time use in the outdoor environment.
3. For general project application, recommend to use the three pairs of one UTP cable to transmit three signals, letting the remaining one pair lines reserve or for grounding operation.

**Cable Connection**

1. Twisted-pair cable can't be connected with strong voltage cables together and when connected to the strong current equipment, keep the distance.
2. Cable connection can adopt connector, welding, twist ground, and should ensure that the connection is firm and waterproof.
3. The cable length form camera to transmitter should be as short as possible, permitted within 20 meters.

**Product Use**

1. Please offer good waterproof since there is no waterproof design for product.
2. There is no difference for transmitter and receiver. They can be used reversely.
3. If devices fail, please do not disassemble or repair by yourself, please contact us timely.