

MINI ACTIVE VIDEO BALUN

I Product Introduction

Twisted pair video transmission is an optional video transmission equipment.

Using CAT5 or more unshielded cable as the transmission medium, this product can transmit the baseband video signal including the color and PAL, NTSC, SECAM etc. Strong anti-interference, Ultra-low electromagnetic radiation, Take any one pair line of Unshielded twisted pair can transmit video signal, four pairs can transmit 4 channel video signals and no interfering each other. Building-in transient suppression protection function, according distance adjust DIP Switch and Brightness gain adjustment on Receiver to get best image. Transmitter using without debugging design, it is no need power supply under no interference environment. Easy to use, maximum distance are 1500m.

II Electrical Specifications

Power input : DC12V

Operating Temperature : -20°C~70 °C

Relative Humidity : 0~95% (Non-condensing)

2.2 Video

Frequency Response : DC~6MHZ

common mode Response : DC~6MHZ

Impedance : Coaxial (BNC male) 75Ω

UTP (unshielded twisted pair) 100Ω

2.3 Cable Requirements

Cable Type: Unshielded twisted pair, 24-16AW

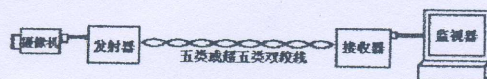
Category: Cat 5 or more

Impedance : 100±20%Ω

DC Resistance : < 10Ω/100M

Distributed capacitance : < 62pF/M

III Typical Application Diagram



IV Installation Instructions

4.1 Connect Video signals to transmitted (such as a camera) access UTP video transmitter VIDEO IN Video BNC socket.

4.2 Choose a twisted pair (must be twisted pair) respectively connected twisted pair video transmitter and receiver twisted pair video terminals VIDEO +, - UMD BB (I SK RUV RC).

4.3 Follow the prompts to connect power to the panel terminals. Voltage is DC12V, power access is strictly prohibited Twisted terminals + and - terminals to avoid permanent damage to the device

4.4 According the Manual setting the DIP switch (ADJ) position (based on the distance to set)

4.5 Receiver video output (VIDEO OUT) video signal is to be used. Their access to monitor or DVR.

Notes:

1. Voltage DC12V, there is a LED lighting
2. Video LED lighting
3. Various terminals reliable connection, you must use wiring soldering iron for long distance

V Set Operation

5.1 Receiver DIP Switch Adjustment

接收距离	0-300米	300-600米	600-1000米	>1000米
拨码开关	OFF ON 1 2 3 4	OFF ON 1 2 3 4	OFF ON 1 2 3 4	OFF ON 1 2 3 4

Note: If the signal is too strong, you can adjust the potentiometer that is beside of DIP switch to get the best results. Above DIP switch settings are recommended to set the maximum distance. Due to differences in the using of twisted pair, the user should be setting according to the actual distance display in order to get the best image.

VI Frequently Asked Questions

1. Monitor shows no signal :

Please check whether the power supply to the equipment is normal, whether every connector connects well, and whether corresponding indication lights are on. First, connect the output video signal to the monitor directly (or DVR), to check whether the out image is in normal condition. When the image output is normal, connect the equipment according to the