

# AHD, CVI and TVI 4 Channel Passive Video Balun

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HDUB4P



## Quick Start Guide

Please read these instructions carefully before operating the unit and keep for further reference. All the examples and pictures used here are for reference only. The contents of this manual are subject to change without notice.

The Genie HDUB4P is a 4 channel passive HD (Non-Amplified) video UTP transceiver that allows transmission of real time and high performance colour or monochrome CCTV video or AHD / HD-CVI / HD-TVI / HD video over UTP cable, ideal for multi-point transmission.

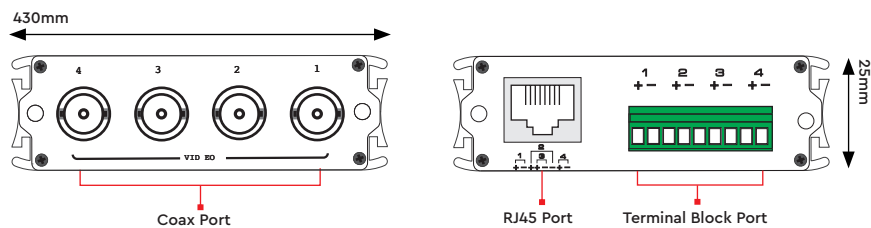
### Features

- Rack mountable only with GRM2U
- Passive, no need for a power supply
- AHD, HD-CVI, HD-TVI, CVBS 4-in-1 compatible design
- Real-time transmission, no delay
- Surge protection, ESD and lightning protection
- Supports MIT structure
- Easy operation

### Specifications

Function	Transmission Channel	4 channel
	Video Connector	4 channel
	Transmission Distance	CVI (720p): 370m, CVI (1080p): 100m TVI (720P/1080p): 200m AHD-L/M (720p/960p): 330m AHD-H (1080p): 330m Analogue Video: 500m
Video Properties	Coaxial Video Connector	Female BNC Connector
	UTP Cable Video Connector	Female RJ45 Connector 8 channel screw push terminal
	Compatible Video Format	HD-CVI HD-TVI, AHD, CVBS
	Signal Transmission Width	0~70MHz
	Anti-interference	>60dB
Protection	Coaxial Video Connector Surge	2KV per: IEC61000-4-5
	UTP Cable Communication Connector Surge Protection	2KV (Different mode) per: IEC61000-4-5
	ESD	1a contact discharge level 3 1b air discharge level 3 per: IEC61000-4-2
Others	Outer Shell	Aluminum
	Colour	Black
	Operation Temperature	0°C-50°C
	Storage Temperature	-40°C-85°C
	Relative Humidity	0%-95% (Non-condensing)
	Dimensions	85 × 82 × 25 (Including connector length)
	Net Weight	154g

## **Panel Diagram & Dimensions**



## **Installation Steps**

Please check the following items before installation.  
If anything is missing, please contact dealer.

- 1x HDUB4P
- 1x Accessory Set
- 1x User Manual

Please follow the steps as below:

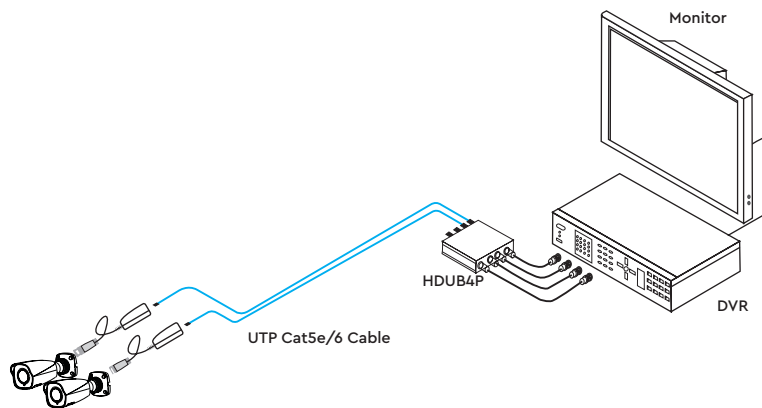
1. Turn off the power of the camera and display before installation.
2. Check if the cables and display device are occupied.
3. Connect monitor or DVR and BNC connector of the product over coaxial cable.
4. Connect the product push terminal UTP cable connector or RJ45 connector and camera output port over UTP cable.
5. Check whether installation is correct, the device is good, make sure all connection is reliable, connect power cable, system is power on.
6. Make sure network is normal.

## **Troubleshoot**

Please find the following solution when the device doesn't work:

- Check if it's according to the manual.
- If choose RJ-45, make sure both ends of UTP cable are same (both 568A or both 568B).
- If choose green terminal block, make sure cable of same colour be in the same pin.
- Check all connection (like BNC, RJ-45).
- Make sure the real distance not exceeds the allowed transmission distance.
- Make sure the cables are quality.
- Replace the device at question by a normal working device.
- If the problem still exists, please contact your distributor.

## **Application**



**Note:**

Transmission distance is related to wire quality, please use standard UTP cable and coaxial cable.

RJ45 connector and screw push terminal connection mode can not use at the same time, choose only one of them.

## **Recommended Distance**

Signal Source	HDCVI (720P)	HDCVI (1080P)	HDTVI (720P/1080P)	AHD-L/M (720P/960P)	AHD-H (1080P)	Analog Video
Recommendation distance	370m	100m	200m	330m	330m	500m

**Note:**

The test data in table 1 is required under lab environment by passive to passive, In actual case, there maybe some differences due to different cable and environment.

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