

AHD, CVI and TVI 16 Channel Passive Video Balun – Rack Mountable

HDUB16RP



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 HDUB16RP is a 16 channel passive HD (non-amplified) video UTP transceiver allows transmission of real time and high performance colour or B&W CCTV video or AHD, CVI, TVI video over UTP cable. The device is 1U rack-mountable, perfect for multi-point surveillance.

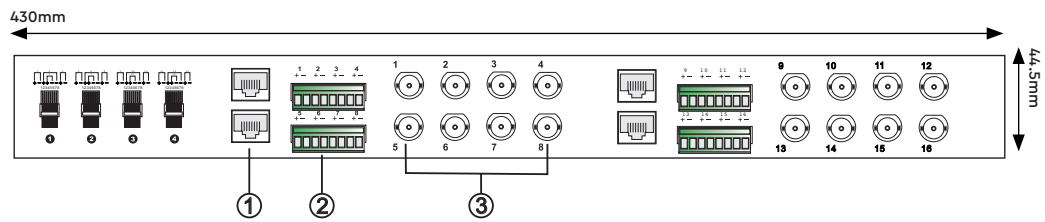
Features

- Passive, no need of power supply
- AHD, CVI, TVI and CVBS 4-in-1 compatible design
- Real-time transmission, no delay
- RJ45 or green terminal block to be chosen to connect UTP cable
- Compact ID design, 1U(19) rack mountable
- Plug and play, simple installation
- Super surge protection and interference rejection

Specifications

Function	Channels	16 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	Video Connector	BNC-F
	UTP Cable Connector	8 pin green terminal block, RJ-45
	Compatible With	PAL, NTSC, SECAM video, AHD, CVI, TVI HD video
	Signal Transmission Band	0-70MHz
	Interference Rejection	>60db
	Video Connector Protection	2KV (Common mode), Per: IEC61000-4-5
	UTP Cable Connector Protection	2KV (Different mode), Per: IEC61000-4-5
Protection	ESD Protection	Contact Discharge: 6000V Air Discharge: 8000V Per:IEC61000-4-2
Others	Outer Shell	Iron Metal
	Colour	Black
	Operation Temperature	0°C-50°C
	Storage Temperature	-40°C-85°C
	Relative Humidity	0%-95% (Non-condensing)
	Dimensions	430 × 100 × 44.5 mm (1U)
	Net Weight	1.181kg

Panel Diagram & Dimensions



NO.	Component	Description
①	RJ-45	please refer to "how to make RJ-45 plug"
②	8 pin green terminal block	to connect UTP cable directly
③	BNC-F	for video input

Note: ① or ② to be choosed

Installation Steps

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

- 1x HDUB16RP
- 1x Accessory Set
- 1x User Manual

Please follow the steps as below:

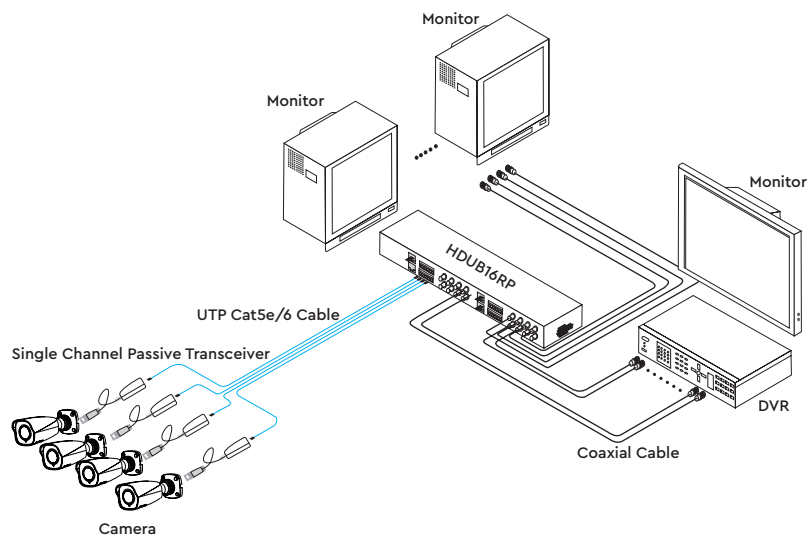
1. Please power off camera, PC, DVR, IPC and monitor which are to be used.
2. Connect cameras with transmitter via BNC cable.
3. Connect DVR with it via BNC cable.
4. Connect transmitter and receiver via UTP cable.
5. Power camera, DVR, monitor etc.

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.

Sales +44(0)1707 330541

Enquiries sales@genieproducts.co.uk

Website www.genieproducts.co.uk

genie