

VB-03

1CH Passive HD Video balun

The 1CH Passive HD Video Balun is a high-performance transmission device designed for HDCVI, HDTVI, AHD, and CVBS signals. With a passive design, it requires no external power, making installation simple and cost-effective. It supports long-distance transmission of up to 600m for CVBS and 300m-400m for HD signals over standard UTP cables, ensuring stable and high-quality video output.



Key Features

- Passive Design – No external power required for operation.
- Long-Distance Transmission – Supports up to 600m for CVBS and 300m-400m for HD signals over UTP cable.
- Strong Anti-Interference – Built-in noise filtering, surge protection, and anti-jamming for stable video transmission.
- Durable & Compact – ABS engineering plastic housing, lightweight (23g), and compact design for easy deployment.

Technical Specifications

	ITEM	SPECIFICATION
Properties	Transmission signal	1 channel
	Transmission distance	For HD-AHD: 720P/450M, 1080P/400M, 3MP/5MP/8MP:300M
		For HD-CVI: 720P/450M, 1080P/400M, 3MP/5MP/8MP:300M
		For HD-TVI: 720P/450M, 1080P/400M, 3MP/5MP/8MP:300M
	Category Type	UTP CAT5/5E/6
Stability	MTBF	>10000 Hours
Video Transmission Contents and Port	Video Connector	BNC-M; Impedance 75 ohms
	UTP Cable Connector	Screwless Terminal block: Impedance 50 ohms
	Material	ABS Engineering Plastic
	Compatible Format	CVI/TVI/AHD/CVBS
	Resolution	720P/960P/1080P/3MP/4MP/5MP/8MP
Impedance	Characteristic impedance	100Ω±20Ω
	DC loop resistance	18Ω/100m
	Differential capacitance	62pf/m (Maximum)
	Recommend standard CAT-5/6 or above unshielded twisted pair wire. The Wire quality Will affect the transmission distance and video quality	

Application

The combined design twisted pair transceiver

