

# VBMC-01

## 16CH Passive HD Video balun



The 16-Port UTP AHD/CVI/TVI Video Transceiver is a high-performance device designed for real-time HD video transmission over unshielded twisted pair (UTP) cables. It efficiently converts unbalanced HD video signals into balanced signals, enhancing transmission quality and reducing interference. The transceiver is ideal for security surveillance applications, supporting multiple HD formats, including AHD, CVI, TVI, and CVBS.

### Key Features

- High-Quality Long-Distance Transmission – Supports HD video transmission over UTP cables, providing clear and sharp video signals even over long distances.
- Strong Interference Resistance – The transceiver is highly immune to common-mode interference, ensuring stable and noise-free video signals.
- Supports Multiple Video Formats – Compatible with AHD, CVI, TVI, and CVBS signals, making it versatile for different CCTV surveillance systems.
- Passive Design, No Power Required – The passive transceiver does not require external power, simplifying installation and reducing costs.
- Durable and Reliable – Built with high-quality components, featuring transient protection and ground lifting for stable operation in various environments.

### Technical Specifications

	Item	Description
Function	Channels	16Channel
	Transmission Distance	HDTVI–720P/1080P:200m; 4MP:230m; 8MP: 180m;
		HDCVI–720P: 300m ; 1080P/8MP:200m; 4MP: 250m;
		AHD:–1080P: 350m; 4MP: 250m; 5MP: 180m; 8MP: 300m
		Analog video: 600m;
Video Properties	Video Connector	BNC-F
	UTP Cable Connector	8 pin green terminal block, RJ-45
	Compatible With	PAL、NTSC、SECAM video HDCVI/AHD/HDTVI 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
Physical Properties	Size (LWH)	430*100*44.5(1U)
	Outer Shell	Iron Metal
	Color	Black
	N.W.	1.181kg
Environmental	Operation Temperature	0° C–50° C
	Storage Temperature	–40° C–85°C
	Relative Humidity	0%–95%(non-condensing)