

# VB-04

## 1CH Power & HD Video UTP Transceiver

VB-04 is a single-channel passive video and power transceiver designed for transmitting HDCVI, HDTVI, AHD, and analog video signals over twisted-pair cables while simultaneously delivering 12V DC power to connected cameras. It offers a simplified cabling solution, reducing installation costs and complexity.



### Key Features

- Video and Power Transmission – Supports real-time transmission of HDCVI, HDTVI, AHD, and analog signals while providing 12V DC power to cameras up to 300m.
- Long Transmission Distance – Transmits HDTVI up to 230m, HDCVI up to 250m, AHD up to 250m, and analog video up to 600m over CAT5/6 cables.
- Strong Anti-Interference – Equipped with noise filtering, surge protection (2kV), ESD shielding (contact discharge 1kV, air discharge 2kV), and anti-static protection for stable signal quality.
- Plug-and-Play Installation – Features BNC connectors for coaxial video, RJ45 for UTP connection, and screw-free terminals for easy setup.

### Technical Specifications

ITEM	SPECIFICATION
Transmission signal	1 channel
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;
Coaxial Video Port	Male BNC
Twisted-pair Video Port	1*RJ45 port
Video Compatibility	HDCVI/HDTVI/AHD/Analog, PAL/NTSC/SECAM Video
Bandwidth	0~50MHz
Anti-interference	>60dB
Coaxial Port Protection	2KV(common-mode) Per : IEC61000-4-5
Twisted pair video port protection	2KV(different-mode) 4KV(common-mode)
Working Temperature	0~55℃
Storage Temperature	-20℃~70℃
Humidity	0~95% Non-condensing
Shell	ABS proiect plastic

### Application

