

FEATURES

- Single Channel Passive Video Transceiver (Tool-less Mini Balun)
- Colour video signal up to 1300ft (400m)
Monochrome (B&W) up to 1950ft (600m) via UTP cat5e/6
- NTSC, PAL & SECAM video format compatible
- Real-Time Transmission
- No Power Required
- Reliable Screw less UTP Terminal Block
- Tool-less Installation Within Less Than 1 Minute
- Male BNC Connector
- Exceptional Interference Rejection
- Built-in TVS (Transient Voltage Suppressors) for Surge Protection
- Lightning Protection Design Grade: III
- 50 dB Crosstalk and Noise Immunity
- Compact Size For Ease of Installation
- ABS Plastic Housing

HAY-VB01

Twin Pack



The HAY-VB01 video balun is a passive (non-amplified) device that allows the transmission of real-time CCTV video signal via a cost-effective. Unshielded Twisted Pair (UTP) cable. Base band (composite) signals of any type are supported. The Male BNC of HAY-VB01 allows connection directly to the camera or DVR. Screw less terminal block allows tool-less connection of UTP cable output. Used in pairs, HAY-VB01 eliminates costly and bulky coaxial cable, allowing live CCTV colour video signal up to 1300ft/400m. HAY-VB01 is also compatible with all the other HAYDON passive balun products for applications at distances up to 1300ft/400m by using HAYDONs active receiver distances of up to 2600ft/800m can be achieved. The interference rejection and low emissions of the HAY-VB01 allow video signals to coexist in the same wire bundle as telephone, datacom, or low-voltage power circuits. This allows the use of a shared or existing cable run. HAY-VB01 has built-in surge suppression to protect video equipment against damaging voltage spikes. Its crosstalk and noise immunity ensures quality video signals.

Model		HAY-VB01
Product Type		Single Channel Passive Video Transceiver
Applied Devices		CCTV Cameras, Monitors, DVR, Switchers, IP Encoders
Video	Video Format	NTSC, PAL, SECAM
	Operation Frequency	DC to 5MHz
	Max Distance	UTP Category 5e (24AWG) Colour: 1300ft(400m) B&W: 1950ft(600m)
	Common Mode/ Differential-mode Rejection	15 KHz to 5MHz 60 dB typ
	Impedance	Coax, Male BNC 75 ohms
		UTP, Screw Terminal Block 100 ohms
Attenuation	0.5 dB typ	
Wire Type	Network Wiring	One Unshielded Twisted Pair (for each video signal) 24-16 AWG (0.5 – 1.31mm)
	Category Type	2 or Better
	Impedance	100 ± 20 ohms
	DC Loop Resistance	52 ohms per 1000ft (18 ohms per 100m)
	Differential Capacitance	19 pF/ft max (62 pF/m max)
Power	No External Power Required	
Connector	Video Input/Output	Male BNC Connector
	Video Output/Input	ScrewLess Terminal Block
Protection	Surge Protection	Build-in Transient Voltage Suppressor (TVS)
	Antistatic	YES
Mechanical	Dimensions (L*W*H)	50 x 16.4 x 19mm
	Housing	ABS Engineering Plastic
	Body Colour	Black
	Net Weight	20g
Environmental	Operation Temperature	-25° ~ 75° C
	Relative humidity	0 – 95% (non condensing)
	Storage Temperature	-40° ~ 150° C