

HAY-PVB02 TWIN PACK

Single channel Passive Power and Video Balun

Passive power & video balun twin pack
Push pin terminal connector Install in 1 minute
400m video & 200m 12vDC Power transmission distance
Built in video & power LED indicators
Lightning protection grade: III TVS surge protection



HAY-PVB08K (COMPLETE SOLUTION KIT)

8CH Power & Video Balun Hub Kit

8 CH. 28vDC power & video balun hub kit
28vDC is sent from the hub to the baluns at camera. The regulator baluns then reduce any over voltage to the Max of 12vDC at the camera.
400m video & 305m 12vDC Power
Each Channel uses 4 x Cat5e/6 pairs per camera Transmission distance Max 1A power per CH.
Lightning protection grade: III TVS surge protection

Kit Comprises of:-

- 1 x 8 Way Power/Video Hub
- 8 x Single 12vDC regulator baluns
- 8 x 60cm BNC-BNC Patch cables
(for connecting simply and quickly from the HUB to the DVR)



HAY-PVB16K (COMPLETE SOLUTION KIT)

16CH Power & Video Balun Hub Kit

16 CH. 28vDC power & video balun hub kit
28vDC is sent from the hub to the baluns at camera. The regulator baluns then reduce any over voltage to the Max of 12vDC at the camera.
400m video & 305m 12vDC Power
Each Channel uses 4 x Cat5e/6 pairs per camera Transmission distance Max 1A power per CH.
Lightning protection grade: III TVS surge protection

Kit Comprises of:-

- 1 x 8 Way Power/Video Hub
- 8 x Single 12vDC regulator baluns
- 8 x 60cm BNC-BNC Patch cables



HAY-PVDB01 TWIN PACK

Single Channel Power Video & Data Balun

Passive power, video & data balun twin pack
Push pin terminal connector Install in 1 minute
400m video, 200m 12vDC Power & 300m for data transmission distance
Built in video & power LED indicators
Lightning protection grade: III TVS surge protection



HAY-PVDB16K (COMPLETE SOLUTION KIT)

16 Channel Power & Video Balun Hub Kit

16 CH. 28vDC power, video & data balun hub kit
28vDC is sent from the hub to the baluns at camera. The regulator baluns then reduce any over voltage to the Max of 12vDC at the camera.
400m video, 305m for 1A 12vDC Power
Data transmission up to 305metres
Each Channel uses 4 x Cat5e/6 pairs per camera Transmission distance Max 1A power per CH.
Lightning protection grade: III TVS surge protection

Kit Comprises of:-

- 1 x 16 Way Power/Video/Data Hub**
- 16 x Single 12vDC regulator baluns**
- 16 x 60cm BNC-BNC Patch cables**



Model		HAY-PVB08K & HAY-PVB16K	
Product Name		8- Channel Power Supply Passive Video Receiver Hub	
Applied Devices		CCTV cameras, monitors, DVR, switchers, IP encoders	
Video	Video Format	PAL, NTSC, SECAM	
	Operating Frequency	DC to 5MHz	
	Max Distance	UTP Category 5e (24AWG) Color: 1300ft(400m) B&W: 1950ft(600m)	
	Common-mode/ Differential-mode rejection	15 KHz to 5 MHz 60 dB typ	
	Impedance	Coax, Male BNC	75 ohms
		UTP,RJ45	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 1,000ft (18 ohms per 100m)	
	Differential Capacitance	19 pF/ft max (62 pF/m max)	
Power	Power Input	No external power required	
	Power transmission	12VDC up to 1000ft(305m) via UTP cat5e/6	
Connector	Video input	RJ45 Jack	
	Video output	Female BNC connector	
Protection	Surge Protection	Built-in Transient Voltage Suppressor(TVS)	
	Antistatic	YES	
Mechanical	Dimensions(L*W*H)	mm	
	Housing	Black galvanized	
	Body Color	Black	
	Net Weight		
Environmental	Operating Temperature	-25° ~ 75° C	
	Relative Humidity	0~95% (non-condensing)	
	Storage Temperature	-40° ~ 150° C	

Wire and Cable Recommendations

FS-4608VPS is recommended to use with Unshielded Twisted Paired (UTP) wiring from 24AWG through 22AWG. Individually shielded pairs should be avoided as they reduce the operating range of the systems drastically.

Multi-pair cable (25-pair or more) with an overall shield are acceptable.

Video signals can coexist in the same wire bundle as telephone, datacom, or low-voltages power circuits.

While video may be routed through telephone punch-down block terminals, any bridge-taps, also called T-taps and any resistive, capacitive or inductive devices **MUST BE** removed from the pair.