

Features All Units

- Colour Video Signal up to 3900ft (1200m) via UTP cat5e/6
- Real-Time Transmission
- Integrated 2 CH Video Distribution Amplifier for Dual Video Output
- RJ45 & Detachable Terminal Blocks for UTP cat5e/6
- Exceptional Interference Rejection
- Full Ground-Loop Immunity
- Built in TVS (Transient Voltage Suppressors) for Surge Protection
- Black Galvanized Housing
- NTSC, PAL & SECAM Video Format Compatible
- Adjustable for Various Distances
- Female BNC Connector
- Compatible with all Cameras with built-in UTP Transmitter
- 70 dB Crosstalk and Noise Immunity
- Lightning Protection Design Grade: V
- Compact Size and Easy Installation

Features HAY-ACR4

- Rack, Wall Mountable and Desk Application with 4 Rubber Feet
- 12V/24V DC/AC Power Supply.

Features HAY-ACR8 & HAY-ACR16

- High-Density 19", 1U Rack Mount, Wall Mountable and Desk Installation via 4 Rubber Feet
- Video Present LED Indicators for Each Channel

HAY-ACR4, ACR8 & ACR16 ACTIVE VIDEO BALUN HUBS (AMPLIFIED)

The HAY-ACR video balun hubs are an active (amplified) device that allows the transmission of real-time CCTV video signal via cost-effective Unshielded Twisted Paired (UTP) cable. Baseband (composite) signals of any type are supported.

The pluggable screw terminal block allows for easy connection of the UTP cable.

It receives one channel video signal from camera end via one UTP cable at distance of up to 4900ft (1500m) when used with (HAY-ACT) active video transmitter.

The transmission distance is up to 3200ft (1000m) when used with a passive video transceiver.

Its integrated 2 channel video distribution amplifier allows dual output to display video at both monitor and DVR.

The HAY-ACR HUB units have a single distance adjustment as well as built-in surge suppression to protect video equipment against damaging voltage spikes. Its Integrated Ground Loop isolation prevents annoying "hum-bars" common with long distance installations and its excellent crosstalk and noise immunity provides quality video up to the maximum distance.

The superior interference rejection and low emissions of the unit allows 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 plant.

It is recommended to use (UTP) wiring from 24AWG - 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.

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.

Model	HAY-ACR4	HAY-ACR8	HAY-ACR16	
Quantity Output	4-Channel	8-Channel	16-Channel	
Applied Devices	CCTV Cameras, Monitors, DVR, Switchers, IP Encoders and other CCTV Equipment			
Video	Video Format	PAL, NTSC, SECAM		
	Operation Frequency	DC to 6MHz		
	Max Distance	UTP Category 5e (24AWG) Colour: 3900ft(1200m) B&W: 6500ft(2000m)		
	Common-mode/ Differential-mode rejection	70 dB typ		
	Impedance	Coax: Female BNC 75ohms UTP: Screw Terminal block or RJ45 100ohms		
	Video Distance Adjustment	4-Position Dip Switchers		
LED Indicator	Red	Power On		
	Yellow	"Active" Signal Present		
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	Adaptive Voltage Range	12V-40V DC or 9V-24V AC 100-240V Power Supply 50-60Hz		
	Power Consumption	< 100Mw	< 1500Mw	< 1500Mw
	Connector	Video Input	Pluggable Screw Terminal Block and RJ45 for UTP	
Protection	Video Output	Female BNC Connector		
	Surge Protection	Built-in Transient Voltage Suppressor (TVS)		
	Ground Isolation	YES		
	Antistatic	YES		
Mechanical	Dimensions (L x W x *H)	190x95x44mm	180x84x44mm	180x84x44mm
	Housing	Galvanized		
	Body Colour	Black		
	Net Weight	580g	1350g	2500g
Environmental	Operating Temperature	- 10°~ 70°C		
	Relative Humidity	0 – 95% (non-condensing)		
	Storage Temperature	- 20°~ 85°C		

HAY-ACR4



HAY-ACR8



HAY-ACR16

