

Audio/Video Equipment

Adapters and Boosters

Video (RGB) Adapter



The Video (RGB) Adapter is designed to convert Red, Green and Blue (RGB) video monitor signals for transmission over Category 5 UTP cable. Each unit has an internal Impedance Matching Device and filter for video signal transmission over UTP cable. Use your existing Category 5 premises wiring for all new video installations and changes.

Specifications

Interface:	Video (R)	One BNC (female) for RED signal	Impedance:	Video	75 ohm Unbalanced
	Video (G)	One BNC (female) for GREEN signal		RJ-45	100 ohm Balanced
	Video (B)	One BNC (female) for BLUE signal	Bandwidth:	Video	DC to 30 MHz
	UTP	One RJ-45 for Video (RGB) signal		Enclosure:	Black PVC
RJ-45:	Pair 4 (Pin 7, 8)	RED signal	Dimension:	2.2" (W) x 3.03" (L) x 0.98" (H)	
	Pair 3 (Pin 3, 6)	GREEN signal			
	Pair 2 (Pin 1, 2)	BLUE signal			

PART NUMBER	DESCRIPTION
VAA-U501-RGB	Video (RGB) Adapter

Audio/Video Adapter



V/A Adapter w/ Video/Audio interface
VAA-U501-VA



V/A Adapter w/ Video interface Only
VAA-U501-V



BNC (Male) to RCA Jack Adapter
CBP-MF



The Video/Audio Adapter is designed for baseband video and/or audio signal transmission over Category 5 UTP cable at data transmission rates up to 100MHz. The adapter converts video and/or audio signals to a 100 ohm signal for transmission over Category 5 cables. Signal distortion is minimized by filtering high-frequency noise at the receiving end of link.

Specifications

Interface:	Video:	One BNC female connector	Bandwidth:	Video:	DC - 12 MHz
	Audio:	Two RCA jacks for Left, Right Audio (for VAA-U501-VA only)		Audio:	50 Hz - 15 KHz (optional)
	UTP:	RJ-45 jack for Video/Audio signal	Distance:	Color Video:	Category 5 UTP cable up to 1,000 ft.
				B/W Video:	Category 5 UTP cable up to 2,000 ft.
RJ-45:	Pair 4 (Pin 7, 8):	Video Signal	Enclosure:	Black PVC	Dimensions: 2.2" (W) x 3.03" (L) x 0.98" (H)
	Pair 3 (Pin 3, 6):	Audio (Left) signal			
	Pair 2 (Pin 1, 2):	Audio (Right) signal			
Impedance:	Video:	100 ohm Unbalanced			
	Audio:	600 ohm Unbalanced			
	RJ-45:	100 ohm Balanced			

PART NUMBER	DESCRIPTION
VAA-U501-VA	Adapter w/ Video/Audio interface
VAA-U501-V	Adapter w/ Video interface only
CBP-MF	BNC (Male) to RCA jack adapter

Audio/Video Booster

The Video/Audio Booster is designed to be used with our Video/Audio Adapters. It has a built-in impedance matching device and filter for video and audio signal transmission over UTP cable. Up to ten boosters can be cascaded to provide a total of 60 outputs from a single video/audio source.

Specifications

Interface:	Video (IN)	One BNC female connector for Video Signal Input	Impedance:	Video	100 ohm Unbalanced	
	Audio (IN)	Two RCA jack connectors for Left and Right Video signal Input		Audio	600 ohm Unbalanced	
	Video (OUT)	One BNC female connector for Video Signal Cascading		RJ-45	100 ohm Balanced	
	Audio (OUT)	Two RCA jack connectors for Left and Right Audio Cascading		Booster No.:	Up to 10 outputs per Booster	
	UTP (OUT)	Six RJ-45 for Video/Audio Signal output		Switch:	Terminator Switch for Last Booster	
RJ-45:	Video	Pair 4 - Pin 7 & 8	Distance:	Color Video	Up to 1,000 ft. of Category 5 UTP cable	5
	Audio (Left)	Pair 3 - Pin 3 & 6		B/W Video	Up to 2,000 ft. of Category 5 UTP cable	5
	Audio (Right)	Pair 2 - Pin 1 & 2	Dimensions:	8.34" W x 6.5" D x 1.5" H		
Cascading:			Power:	DC 5V/12V External Power Adapter		
	Up to 10 boosters maximum		FCC:	Meets FCC Class A Subpart B of Part 15 requirements		



Video/Audio Booster
VAA-U561-VA



Rear view



PART NUMBER	DESCRIPTION
VAA-U561-VA	Video/Audio Booster with 6 Outputs