



16 Channel Active Video Balun Receiver

Model: VBAU1600R



The VBAU1600R is a sixteen channel active device that allows reception of real-time monochrome (B/W) or color video using Unshielded Twisted Pair (UTP) cable. The unit receives sixteen channels of video from transmitter with RJ45 or screw terminals that's available for connections and provides sixteen BNC video outputs.

The unit is compatible with active transmitter (e.g. VBAU100T) and passive transceivers (e.g. VBU100T, VBU400T) with transmission distance up to 4000ft / 1200m and 2000ft / 600m respectively. Each switch can be independently adjusted for the different transmission distances and image quality based upon the type and quality of the cable being used. Housed in a standard 1U structure, VBAU1600R is rack mountable and excellent for large surveillance system installation.

Features:

- Transmission distance up to 4000ft / 1200m working with active transmitter (e.g. VBAU100T).
- Transmission distance up to 2000ft / 600m working with passive transceivers (e.g. VBU100T, VBU400T).
- Supports all baseband signals including PAL, NTSC, SECAM.
- Signal transmission via UTP cable.
- Transmission Signal 1Vpp composite video.
- 16 Port active receiver hub in 1U rack mounting panel.
- Video receiving connectors with both RJ45 and screw type terminals.
- Built-in surge & transient protection with ground rod on front panel.
- Superior interference rejection.
- Panels can reside in the same rack as other equipment, such as switchers, multiplexers, DVR, video conferencing equipment, etc.
- They are perfect for larger CCTV installations and ideal for security monitoring stations.
- Power Supplied 100~240V AC

Components are Made In USA for this product:

Name of Component	Manufacturer
DCDC Power IC	National Semiconductor
LDO IC	ST Microelectronics
Video Signal Disposal IC	Intersil

R&D Designed in Taiwan
Assembled in China

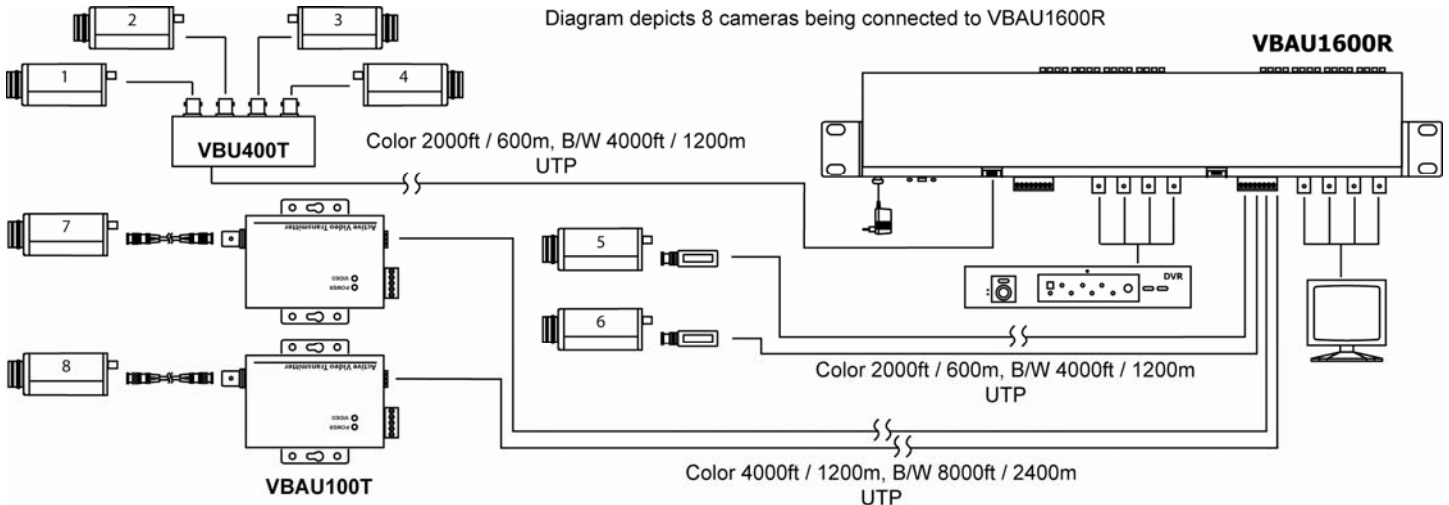


Switch Chart: Each switch can be independently adjusted for the different transmission distances and image quality based upon the type and quality of the cable being used.

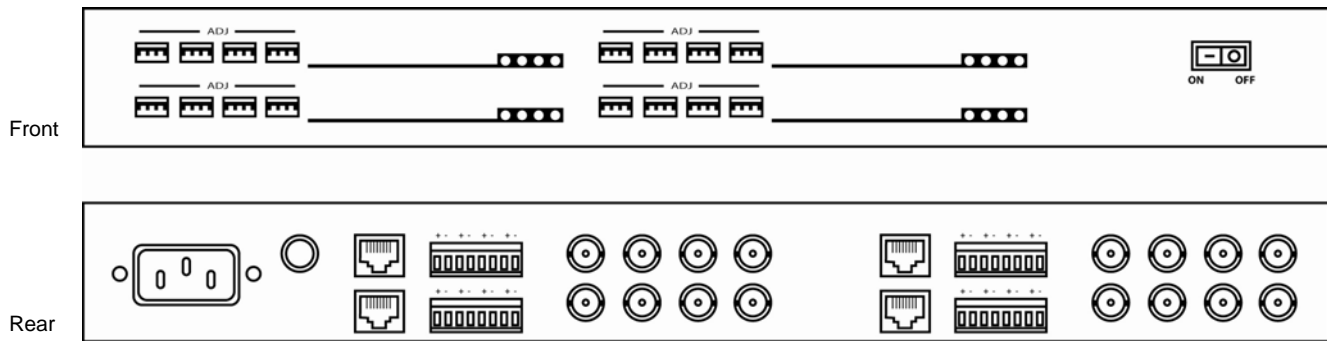
A) For Passive Balun					
ADJ	0-50M	50-250M	250-400M	400-500M	500-700M
SWITCH	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■

B) For Active Balun					
ADJ	0-600M	150-750M	300-900M	450-1050M	600-1200M
SWITCH	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■

Application Diagram:



Panel View:



Specification:

Model Number		VBAU1600R
Power Properties	Adaptive Voltage Arrange	100~240V AC (50~60Hz)
	Power Consumption	<10W
	Connector	Standard AC Jacks
Video Transmitting Properties	Supporting Video Mode	All Baseband Signals including PAL, NTSC, SECAM
	Maximum Transmission Distance	Color 4000ft / 1200m (working with VAB100T) Transmitting UTP Cable
	Signal Band	250MHz (-3dB)
	Balance Band	0~6MHz
	Attenuation	<1.5dB
	Interference Rejection	>75dB
Connection Properties	Video Output Connectors	16x Female BNC, Resistance 75 Ohms
	Connector for UTP Transmission	4x Screw Terminal Blocks and 4x RJ45
	Adjusting Categories	4 Blue Dipswitches per Channel Passive Balun: 0~50m, 50~250m, 250~400m, 400~500m, 500~700m Active Balun: 0~600m, 150~750m, 300~900m, 450~1050m, 600~1200m
Surge Protections	Video Output Protection	2KV (common mode), 10/700µs IEC6100-4-5/1955
	Video Input Protection	2KV (different mode), 4KV (common mode), 10/700µs IEC6100-4-5/1955
Indicators	Power LED	Red
Physical Properties	Dimensions (L x W x H)	16.93" x 3.74" x 1.73" 430mm x 95mm x 44mm
	Housing Material	Metal
	Color	Black
	Weight	4.85 lbs / 2200 g
Environment	Operating Temperature	-4°F ~ 158°F / -20°C ~ 70°C
	Relative Humidity	0~95% (non-condensing)
	Storage Temperature	-40°F ~ 302°F / -40°C ~ 150°C
Accessories	Standard Power Cable	3.9" / 1.2m Length

*Specifications are subject to change without notice.

FCC CE RoHS

R&D Designed in Taiwan

Components are Made in USA: DCDC Power IC (National Semiconductor), LDO IC (ST Microelectronics), Video Signal Disposal IC (Intersil)

Assembled in China

Caution :

- Do not connect this device to any power source other than what is supplied.
- Do not handle the unit with wet hands.
- The unit is not waterproof and should not be used outdoors.