

### Overview

The VideoEase Active VGA Balun Kit allows VGA video to be transmitted via cost-efficient unshielded copper twisted cable in a point-to-point configuration. Each kit includes one (1) transmitter and one (1) receiver. The product supports up to 1920 x 1440 pixels for applications that require superior performance and features manual gain adjustment and local monitor output for added versatility.

### Applications

Digital signage, boardroom systems, collaborative PC systems, medical information systems



### Key Features

- Up to 400 ft (122m) via Cat5 TP @ 1920 x 1440
- Support for local monitor
- Adjustable gain control

### Specifications

<b>Environment</b>	VGA. VESA VP&D 1.0, VIP ver 2.0.		
<b>Devices</b>	PCs, laptops, CRT monitors, LCD monitors, plasma screens, DLP projectors.		
<b>Transmission</b>	Transparent to the user.		
<b>Bandwidth</b>	Up to 280 MHz (1920 x 1440 resolution)		
<b>Impedance – Video Input (Coax)</b>	75 ohms		
<b>Impedance – Video Out (UTP)</b>	100 ohms		
<b>Connectors – Transmitter</b>	VGA Input (PC): DB15 HD Receptacle VGA Output (Local Monitor): DB15 HD Receptacle VGA Output (Cat5): RJ45 shielded		
<b>Connectors – Receiver</b>	VGA Input (Cat5): RJ45 shielded VGA Output (Display): DB15 HD Receptacle		
<b>Max. Distance via Cat 5 Twisted Pair</b>	640 x 480 (VGA): 800 x 600 (SVGA): 1024 x 768 (XGA): 1280 x 768 (WXGA):	700 ft (213m) 600 ft (183m) 550 ft (167m) 550 ft (167m)	1280 x 1024 (SXGA): 550 ft (167m) 1600 x 1200 (UXGA): 500 ft (152m) 1800 x 1440: 400 ft (122m) 1920 x 1440: 400 ft (122m)
<b>RJ45 Pin Configuration</b> <i>Reverse Polarity Sensitive</i> <i>Use EIA/TIA 568 A or B, straight-through wiring</i>	Pair 1: Pin 1 (R) Pin 2 (T) Pair 2: Pin 4 (R) Pin 5 (T) Pair 3: Pin 7 (R) Pin 8 (T) Pair 4: Pin 3 (R) Pin 6 (T)		
<b>Gain Adjustment</b>	Gain control via DIP switches on receiver (factory default setting: all OFF)		
<b>LED Indicators</b>	Transmitter: Power – One (1) green LED Receiver: Power – One (1) green LED; Switch position: Four (4) green LEDs		
<b>Cable</b>	Category 5 or better twisted pair cable. Requires additional VGA jumper cables (not included)		
<b>Power Supplies</b>	Two (2) 110-240V/12VDC/1.25A. Detachable AC power cords included. * 12VDC power jacks *500036: <i>Continental Europe power cord</i>		
<b>Temperature</b>	Operating: 0° to 40° C. Storage: -10° to 70° C. Humidity: up to 95% non-condensing		
<b>Enclosure</b>	Black. ABS fire retardant plastic		
<b>Dimensions</b>	4.5" x 3.8" x 1.25" (11.4 cm x 9.7 cm x 3.2cm)		
<b>Weight</b>	3 lbs, 1.38 kgs		
<b>Mounting</b>	Desktop, rubber stand-offs.		
<b>Regulatory</b>	FCC/CE		
<b>Warranty</b>	One (1) year		
<b>Order Information</b>	500035: Active VGA Balun Kit, includes 1 transmitter and 1 receiver, 110V 500036: Active VGA Balun Kit, includes 1 transmitter and 1 receiver, 220-240V		

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**Typical Application**