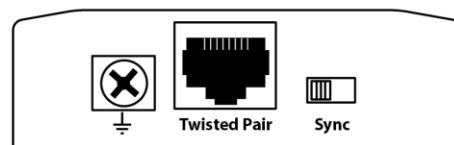
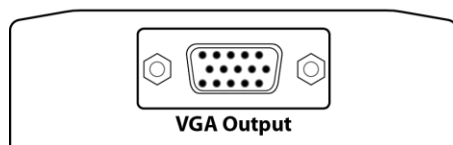
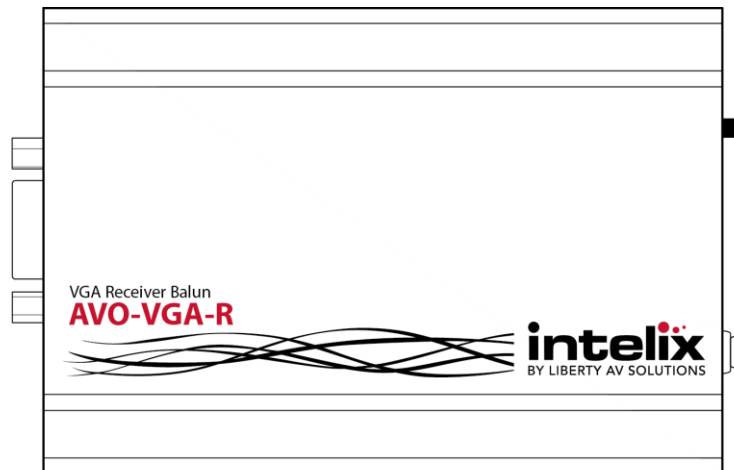
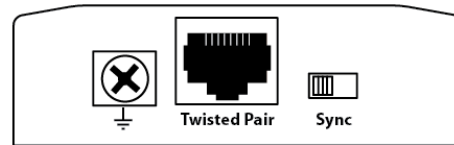
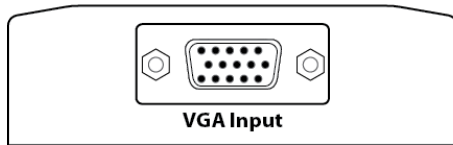
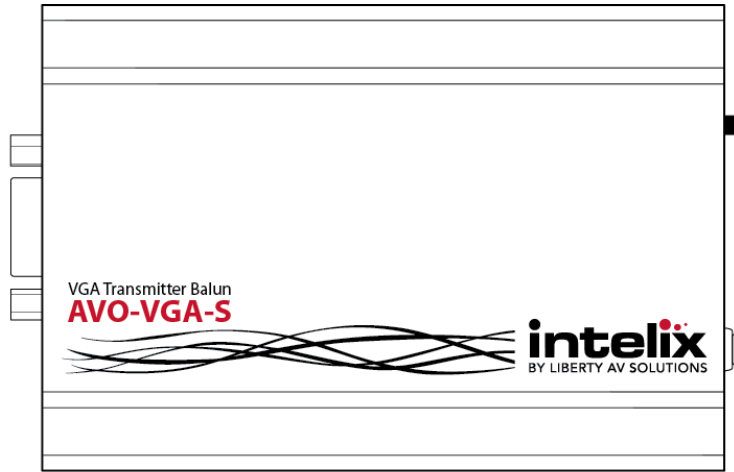


AVO-VGA Technical Specification

SXGA Twisted Pair Extender

Rev. 130208

The Intelix AVO-VGA balun set passively transmits VGA video over standard unshielded twisted pair cable, such as Cat 5, Cat 5e or Cat 6. The AVO-VGA eliminates the need for costly and bulky VGA cable, and extends video transmission distances.



Technical Specifications	
I/O Connections	
VGA	One (1) HD15 Female
Twisted Pair	One (1) 8P8C port (Shielded RJ45)
Sync Switch	Three position switch
Supported Video	
Maximum Distance via Cat 5e	XGA: 1024 x 768 pixels (35 MHz) @ 200ft (61m) SXGA: 1280 x 1024 pixels (59 MHz) @ 100ft (30.5m)
RJ45 Pin Configuration	Pins 4 and 5: Green (balanced) Pins 1 and 2: Red (balanced) Pins 7 and 8: Blue (balanced) Pins 3 and 6: Horizontal and Vertical Sync (unbalanced)
Input DDC Signal	5.0 volts p-p (TTL)
Input Video Signal	1.2 volts p-p
Bandwidth	DC to 60 MHz
Input Signals	Video: 1.1 Vp-p H/VSync: TTL standard; 300 kHz max bandwidth
Insertion Loss	Less than 3 dB per pair over the frequency range
Return Loss	-15 dB max from DC to 60 MHz
Chassis and Environmental	
Enclosure	Painted steel
Dimensions	120 mm x 76mm x 24mm (4.25 in. x 3 in. x 0.95 in.)
Shipping Weight	AVO-VGA: 1.29 kg (2.84 lbs) AVO-VGA-S: 0.85 kg (1.86 lbs) AVO-VGA-R: 0.85 kg (1.86 lbs)
Operating Temperature (Environment)	0° to +40° C (+32° to +104° F)
Operating Humidity (Environment)	20% to 90%, Non-condensing
Storage Temperature (Environment)	-10° to +60° C (+14° to +140° F)
Storage Humidity (Environment)	20% to 90%, Non-condensing
Other	
Regulatory	RoHS
Standard Warranty	2 Years
Included Accessories	Installation Guide
Ordering Information	AVO-VGA: one send and one receive balun AVO-VGA-R: one receive balun AVO-VGA-S: one send balun
Compatible Products	AVO-VGA2-WP
Mounting Solution	DIGI-PMK1

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches. Intelix specifications are based on straight-through cabling with standard-grade Cat 5e unless noted otherwise.