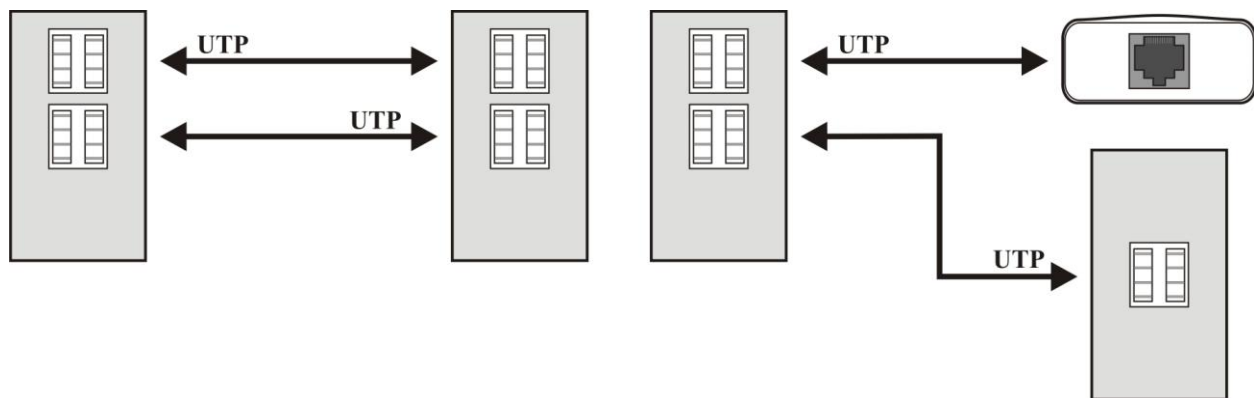# AVO-VGA2-WP Technical Specification

SXGA with Stereo Audio Twisted Pair Wall Plate Extender
Rev. 130115

The Intelix AVO-VGA balun set passively transmits VGA video and stereo audio 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.

One twisted pair cable carries the audio path and a second twisted pair cable carries the video path, thereby allowing audio and video to be transmitted to two separate locations.

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Phone: 608-831-0880
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Technical Specifications	
I/O Connections	
VGA	One (1) HD15 Female
Audio	One (1) 3.5mm TRS
Twisted Pair	Four (4) Four-conductor 110 blocks (VGA and audio)
Sync Switch	Three position switch
Supported Video	
Maximum Distance via Cat 5e	XGA: 1024 x 768 (35 MHz) @ 200ft (61m) SXGA: 1280 x 1024 (59 MHz) @ 100ft (30.5m)
110 Block Pin Configuration (Video)	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
Supported Audio	
Maximum Distance via Cat 5e	2500 ft.
RJ45 Pin Configuration	Pins 1 , 2, 3, and 6:Stereo Audio
Audio Frequency Response	20 Hz to 20 kHz
Impedance	600 ohms, unbalanced
Audio Transformer Isolation	500V
Nominal Level	1.0 volts
Insertion Loss	1 dB
Common Mode Rejection	Greater than 40 dB
Chassis and Environmental	
Enclosure	Galvanized Steel
Dimensions	102 mm x 36 mm x 43 mm (4 in. x 1.4 in. x 1.7 in.)
Shipping Weight	AVO-VGA2-WP: 0.97 kg (2.13 lbs) AVO-VGA2-WP-S: 0.39 kg (0.86 lbs) AVO-VGA2-WP-R: 0.38 kg (0.85 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	Decora insert, Mounting Screws, Installation Guide
Ordering Information	AVO-VGA2-WP: one send and one receive balun AVO-VGA2-WP-R: one receive balun AVO-VGA2-WP-S: one send balun
Compatible Products	AVO-VGA, AVO-A2-F, AVO-A2MINI-WP-F, AVO-A2-WP-F, AVO-A2-WP110

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.

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