

VGA2-HR Technical Specification

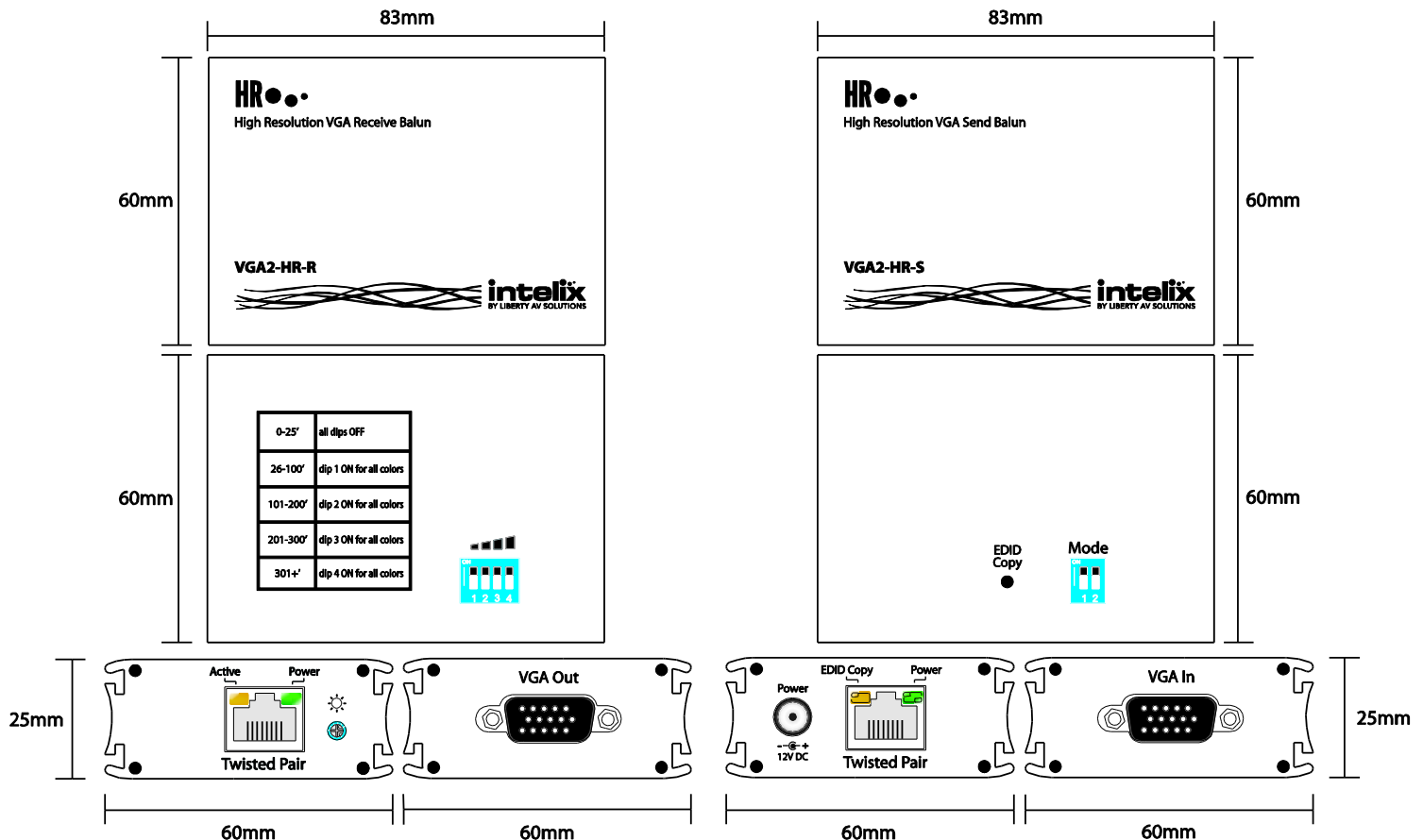
UXGA Twisted Pair Extender

Rev. 130211

The Intelix VGA2-HR extends a computer video signal over a single twisted pair cable. The VGA2-HR supports computer video resolutions up to UXGA (1600 x 1200) to a maximum distance of 106 m (350 ft).

Dipswitches on the Transmit balun allow for Built-in EDID presets of common resolutions (1024x768 and 1280x800) and EDID copy mode. In EDID copy mode the Receive balun transmits the EDID of the remote display back to the Transmit balun for custom EDID storage.

The Receive balun has DIP switches for skew compensation as well as a trim pot for brightness.



Technical Specifications	
I/O Connections	
VGA	One (1) HD15 Female
Twisted Pair	One (1) 8P8C port (Shielded RJ45)
12V DC Power	One (1) 5.5 mm Outside Diameter, 2.1 mm Inside Diameter Barrel
DIP Switch (Transmitter)	Two switch DIP
DIP Switch (Receiver)	Four switch DIP
Brightness Adjustment (Receiver)	Inset Potentiometer
Supported Video	
Maximum Video Compatibility at 106 m (350 ft)	UXGA (1600 x 1200)
Input DDC Signal	5.0 volts p-p (TTL)
Input Video Signal	1.2 volts p-p
DIP Switch Modes (Transmitter)	1024x768 (XGA), 1280x800 (WXGA), Copy and Use EDID
DIP Switch Modes (Receiver)	Skew compensation based on cable length
Chassis and Environmental	
Enclosure	Painted steel
Dimensions	83mm x 60mm x 25mm (3.27 in. x 2.36 in. x 0.98 in.)
Shipping Weight	0.61kg (1.35 lbs.)
Operating Temperature (Environment)	0° to +40° C (+32° to +104° F)
Operating Temperature (Chassis)	26° C (79° F) (S); 30° C (86° F) (R)
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
Power, ESD, and Regulatory	
Maximum Power Consumption	2.5 watts
Power Supply	12vDC / 1A
ESD Protection	16kV
Regulatory	CE, RoHS
Other	
Standard Warranty	2 Years
Diagnostic Indicators	Active video signal, EDID copy and power LEDs
Included Accessories	VGA cable, US Power Supply, Adjustment screwdriver, Mounting brackets and Installation Guide
Mounting Solution	AVO-CLIP-F

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.