

DIGI-VGA-F Technical Specification

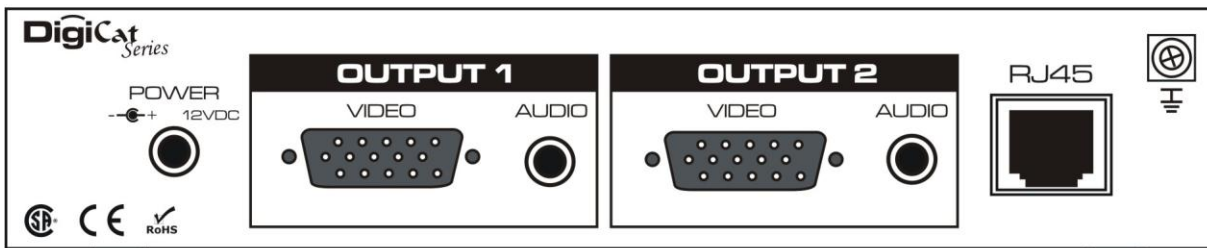
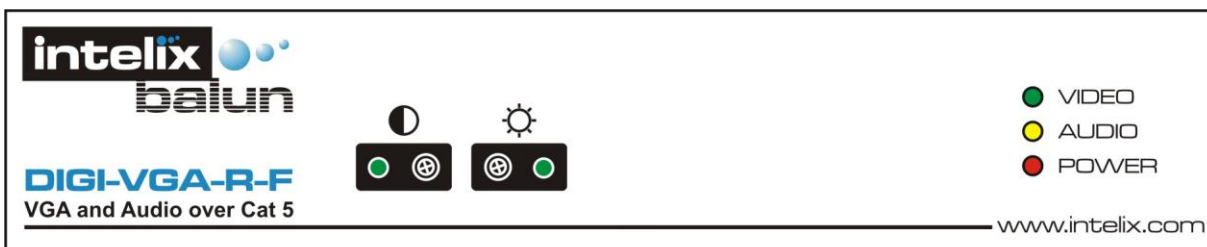
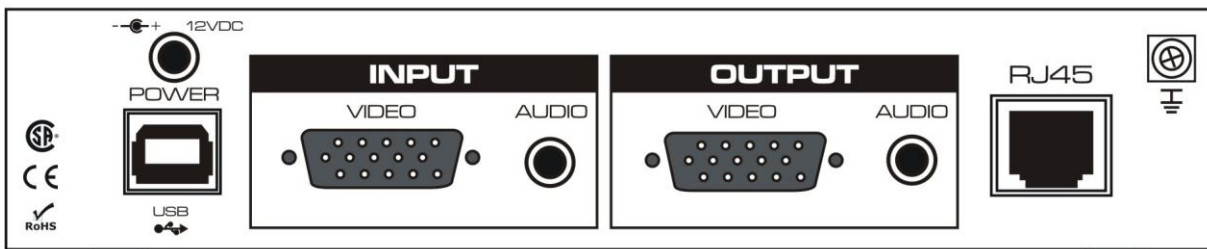
VGA and Audio over Twisted Pair Extender Set

Rev. 130211

The Intelix DIGI-VGA-F transmits computer video and stereo audio over a single twisted pair cable, such as Cat 5e or Cat 6.

The DIGI-VGA-F features local computer video and stereo audio output. Additionally, Video and Audio status LEDs indicate signal presence on the transmitter and the receiver.

The DIGI-VGA-F features up to 1920x1200 computer video performance and high-fidelity 20Hz to 20kHz audio performance extension up to 350 feet.



Technical Specifications	
I/O Connections (Transmitter)	
VGA Input	One (1) HD15 Female
VGA Output	One (1) HD15 Female
Analog Audio Input	One (1) 3.5mm TRS
Analog Audio Output	One (1) 3.5mm TRS
Twisted Pair Output	One (1) 8P8C port (Shielded RJ45)
12V DC Power	One (1) 5.5 mm Outside Diameter, 2.1 mm Inside Diameter Barrel
USB (Power)	One (1) USB Type B Receptacle
I/O Connections (Receiver)	
VGA Output	Two (2) HD15 Female
Analog Audio Output	One (1) 3.5mm TRS
Twisted Pair Input	One (1) 8P8C port (Shielded RJ45)
12V DC Power	One (1) 5.5 mm Outside Diameter, 2.1 mm Inside Diameter Barrel
Video Adjustment	Trim Pot for Brightness and Contrast (Skew Adjustment)
Supported Video	
Maximum Video Distance	1920x1200 @ 250 ft; 1600x1200 @ 350 ft; 1280x1024 @ 500 ft; 1024x768 @ 700 ft; 800x600 @ 850 ft
Input DDC Signal	5.0 volts p-p (TTL)
Input Video Signal	1.2 volts p-p
Maximum Video Bandwidth	350 MHz
Supported Audio	
Input Level	-10dBv
Audio Frequency Response	20 Hz to 20 kHz +/- 1dB
Common Mode Rejection	60 dB
Chassis and Environmental	
Enclosure	Aluminum (painted black)
Dimensions	DIGI-VGA-S: 159 mm x 32 mm x 83 mm (6.25 in. x 1.25 in. x 3.25 in.) DIGI-VGA-R: 159 mm x 32 mm x 83 mm (6.25 in. x 1.25 in. x 3.25 in.)
Shipping Weight	1.8 kg (4 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	
Power Supply	12V DC @ 2A
USB Power (Transmitter Only)	5V DC @ 500mA maximum
Power Consumption	DIGI-VGA-S: 2.4 watts DIGI-VGA-R: 6 watts
ESD Protection	16kV
Regulatory	CE, RoHS
Other	
Standard Warranty	2 Years
Diagnostic Indicators	Active video signal, active audio signal, power LEDs
Included Accessories	US Power Supply (2 ea), USB Cable (Type A to Type B), and Installation Guide

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.