

AVO-V3PT-F Technical Specification

Component Video with Two Wire Pass-Through Twisted Pair Extender

Rev. 130208

The Intelix AVO-V3PT-F high-definition component video and pass-through balun transmits a component video (YPbPr) and control signal over inexpensive structured pair cabling, such as Cat 5e or Cat 6.



Technical Specifications	
I/O Connections	
Video	One (1) RCA per channel
Pass Through	One (1) Two-wire spring tension port
Twisted Pair	One (1) 8P8C port (RJ45)
Supported Video	
Maximum Distance via Cat 5e	480i/p video only: 1,000 feet 720p video only: 500 feet 1080i/p video only: 500 feet
RJ45 Pin Configuration	Pins 1 and 2: Blue (Pb) Pins 3 and 6: Green (Y) Pins 4 and 5: Pass-Through Pins 7 and 8: Red (Pr)
Video Bandwidth	60 MHz, 3 dB roll off
Impedance (Video)	75 ohms
Maximum Input Level (Video)	1.1 Vp-p
Insertion Loss (Video)	0.1 dB for 0.1 MHz (increases to 2.5 dB over the frequency range)
Return Loss (Video)	Greater than 15 dB
Common Mode Rejection (Video)	-55 dB at 0.1 MHz -20 dB at 60 MHz
Pass-Through Support	Two conductor passive pass-through; supports IR, DC control, logic control, and most other control signals requiring two conductors.
Chassis and Environmental	
Enclosure	Black ABS plastic
Dimensions (without connectors)	99 mm x 64 mm x 23 mm (3.9 in. x 2.5 in. x 0.9 in.)
Dimensions (with connectors)	106 mm x 64 mm x 23 mm (4.2 in. x 2.5 in. x 0.9 in.)
Shipping Weight	0.19 kg (0.41 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)
Other	
Regulatory	RoHS
Standard Warranty	2 Years
Included Accessories	Installation Guide
Compatible Products	AVO-V3AD-F, AVO-V3AD-WP-F, AVO-V3AD-WP110, AVO-V3PT
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.