

Overview

The Component-Composite Video ProAV Balun (500056-Pro) allows one component video (YPbPr or RGB) signal plus one composite video signal to be transmitted via one Cat5e/6 twisted pair cable for more cost-efficient cabling.

The 500056-Pro features Ethercon™ RJ45, ruggedized cast aluminum enclosure and built-in 12-inch (30cm) heavy duty AV cable leads for the demanding professional environment. The 500056-Pro may be used in pairs or in conjunction with other MuxLab component video baluns.

Applications

Rental & staging
Mobile production
Venues



Features

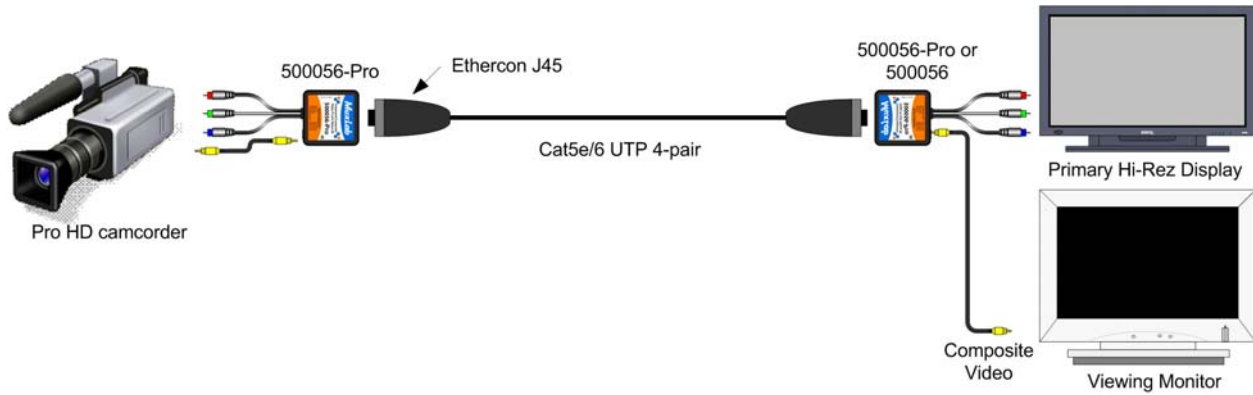
Supports 1080i/p up to 500 ft (152m) via Cat5e/6
Supports composite video on fourth twisted pair
Ethercon™ RJ45 connector for cable strain relief
Ruggedized cast aluminum enclosure
Heavy-duty 12-inch (30cm) built-in cable leads
Compatible with 500056
Lifetime warranty

Specifications	
Environment	Component Video (YPbPr), RGB Video (sync on green). 480i/p, 720p, 1080i/p. Line level Composite Video (NTSC, PAL, SECAM).
Devices	DVD players, satellite receivers, plasma displays, projectors, monitors, up-converters, amplifiers, switchers, home theatre and other equipment supporting HDTV component video and/or Composite Video.
Transmission	Transparent to the user.
Bandwidth	Video: 60 MHz, 3 dB roll off. Composite Video: DC to 8 MHz
Maximum Input	1.1Vp-p
Insertion Loss per pair	Component: Less than 3 dB per pair over the frequency range. Composite: Less than 2 dB per pair over the frequency range.
Return Loss	Greater than 15 dB over the frequency range
Common Mode Rejection	Component: -55 dB max. Composite: Greater than 40 dB @ 8 MHz
Max. Distance – Cat 5E/6 UTP & STP	480i/p: 1,000 ft (305m). 720p and 1080i/p: 500 ft (152m). Composite Video: 2,200 ft (670m).
Cable – Cat5/6 UTP/STP	24 gauge or lower solid copper twisted pair wire. Impedance: 100 ohms at 1 MHz. Maximum capacitance: 20 pf/foot. Attenuation: 6.6 dB/1000 ft at 1 MHz
Cable – Coax	Impedance: 75 ohms at 1 MHz
Connectors	Three (3) RCA-M connectors: Green (Y), Blue (Pb), Red (Pr) One (1) RCA-F connector for Composite Video Ethercon RJ45S for twisted pair
Pin Configuration <i>Reverse polarity sensitive</i>	Red (Pr): Pins 7 [R] & 8 [T] Green (Y): Pins 3 [R] & 6 [T] Blue (Pb): Pins 1 [R] & 2 [T] Composite Video: Pins 4 [R] & 5 [T]
Temperature	Operating: 0° to 55°C. Storage:-20° to 85°C. Humidity: up to 95%
Enclosure	Cast aluminium
Dimensions	2.75" x 2.64" x 1.975" (6.99cm x 6.71cm x 5.02cm) plus 12" (30cm) cable leads
Weight	.542lb (245.85g)
Regulatory	FCC, CE, RoHS.
Warranty	Lifetime
Order Information	500056-Pro Component/Composite Video ProAV Balun

Ethercon is a trademark of Neutrik® AG

Component-Composite Video ProAV Balun 500056-Pro

Typical Application



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