

Overview

The Component Video/Analog Audio ProAV Balun (500052-Pro) allows one component video (YPbPr or RGB) signal and one combined left/right analog audio signal to be transmitted via one Cat5e/6 twisted pair cable for more cost-efficient cabling.

The 500052-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 500052-Pro may be used in pairs or in conjunction with other MuxLab component video baluns.

Applications

Rental & staging, venues
Camcorder connections
Mobile video production
Podium presentation systems



Features

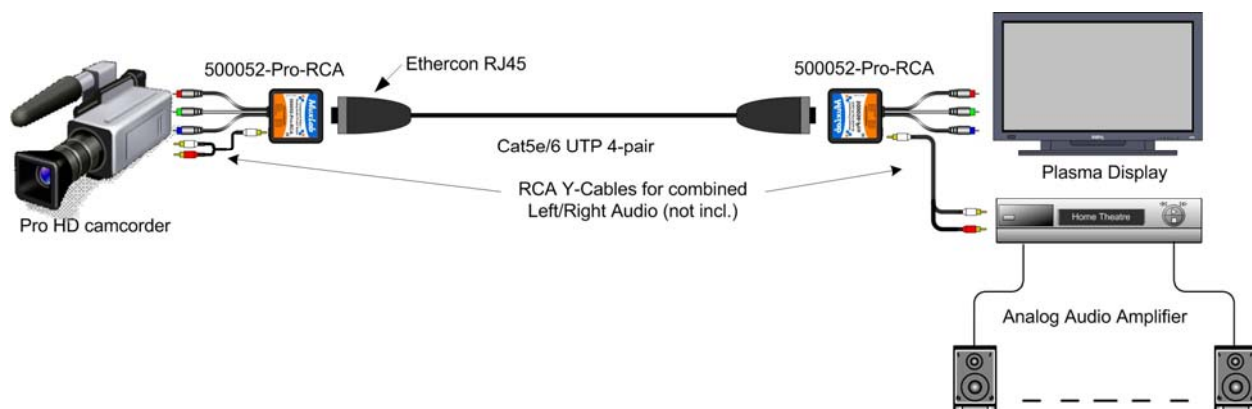
Supports 1080i/p up to 500 ft (152m) via Cat5e/6
Supports analog audio on fourth twisted pair
Ethercon™ RJ45 connector for cable strain relief
Ruggedized cast aluminum enclosure
Heavy-duty 12-inch (30cm) built-in cable leads
Available with RCA or BNC
Compatible with 500052, 500052-WP
Lifetime warranty

Specifications	
Environment	Component Video (YPbPr), RGB Video (sync on green). 480i/p, 720p, 1080i/p. Line level analog audio.
Devices	DVD players, satellite receivers, plasma displays, projectors, monitors, up-converters, amplifiers, switchers, home theatre and other equipment supporting HDTV component video and/or analog audio.
Transmission	Transparent to the user.
Bandwidth	Video: 60 MHz, 3 dB roll off. Analog audio: 20 Hz to 20 KHz
Maximum Input	1.1Vp-p
Insertion Loss per pair (video)	.1 dB for 0.1 MHz. Gradually increasing to 3.0 dB over the frequency range
Insertion Loss per pair (audio)	Less than 2 dB per pair over the frequency range.
Return Loss (video)	Greater than 15 dB over the frequency range
Common Mode Rejection (video)	-55 dB max.
Common Mode Rejection (audio)	Greater than 60 dB @ 1 KHz Greater than 40 dB over the frequency and distance range
Max. Distance Colour – Cat5e/6 UTP & STP	480i/p: 1,000 ft (305m). 720p and 1080i: 500 ft (152m). Analog Audio: 3,250 ft (990m).
Cable – Cat5e/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 analog audio One (1) Ethercon™ RJ45 for Cat5e/6 UTP or STP cable
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] Analog Audio: 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" (30.48 cm) cable lead
Weight	.542lb (245.85g)
Regulatory	FCC, CE, RoHS.
Warranty	Lifetime
Order Information	500052-Pro-RCA Component Video/Analog Audio ProAV Balun, RCA 500052-Pro-BNC Component Video/Analog Audio ProAV Balun, BNC

Ethercon is a trademark of Neutrik® AG

Component Video/Analog Audio ProAV Balun 500052-Pro-RCA, 500052-Pro-BNC

Typical Application



Rear view

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