

**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**

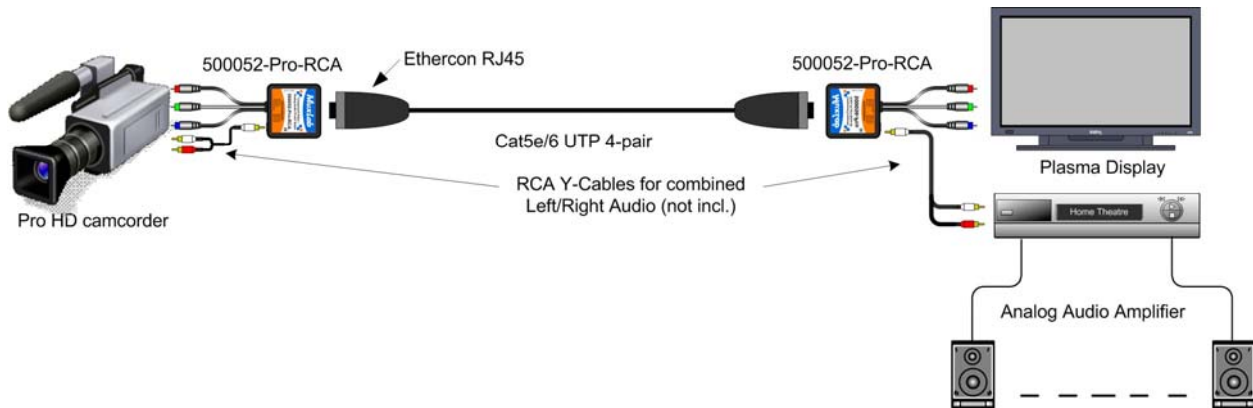
- Supports 1080i/p up to 500 ft (152m) via Cat5e/6
- Supports analog audio on fourth twisted pair
- Ethercon™ RJ45 connector for cable strain relief
- Ruggedized cast aluminum enclosure
- Heavy-duty 12-inch (30cm) built-in cable leads
- Available with RCA or BNC
- Compatible with 500052, 500052-WP
-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

Specifications	
<b>Environment</b>	Component Video (YPbPr), RGB Video (sync on green). 480i/p, 720p, 1080i/p. Line level analog audio.
<b>Devices</b>	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.
<b>Transmission</b>	Transparent to the user.
<b>Bandwidth</b>	Video: 60 MHz, 3 dB roll off. Analog audio: 20 Hz to 20 KHz
<b>Maximum Input</b>	1.1Vp-p
<b>Insertion Loss per pair (video)</b>	.1 dB for 0.1 MHz. Gradually increasing to 3.0 dB over the frequency range
<b>Insertion Loss per pair (audio)</b>	Less than 2 dB per pair over the frequency range.
<b>Return Loss (video)</b>	Greater than 15 dB over the frequency range
<b>Common Mode Rejection (video)</b>	-55 dB max.
<b>Common Mode Rejection (audio)</b>	Greater than 60 dB @ 1 KHz Greater than 40 dB over the frequency and distance range
<b>Max. Distance Colour – Cat5e/6 UTP &amp; STP</b>	480i/p: 1,000 ft (305m). 720p and 1080i: 500 ft (152m). Analog Audio: 3,250 ft (990m).
<b>Cable – Cat5e/6 UTP/STP</b>	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
<b>Cable – Coax</b>	Impedance: 75 ohms at 1 MHz
<b>Connectors</b>	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
<b>Pin Configuration</b> <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]
<b>Temperature</b>	Operating: 0° to 55°C. Storage:-20° to 85°C. Humidity: up to 95%
<b>Enclosure</b>	Cast aluminium
<b>Dimensions</b>	2.75" x 2.64" x 1.975" (6.99cm x 6.71cm x 5.02cm) plus 12" (30.48 cm) cable lead
<b>Weight</b>	.542lb (245.85g)
<b>Regulatory</b>	FCC, CE, RoHS.
<b>Warranty</b>	Lifetime
<b>Order Information</b>	500052-Pro-RCA    Component Video/Analog Audio ProAV Balun, RCA 500052-Pro-BNC    Component Video/Analog Audio ProAV Balun, BNC

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

## Typical Application



Rear view

### Head Office

8495 Dalton Road, Mount Royal, Quebec, Canada, H4T 1V5

Tel: 514-905-0588 Fax: 514-905-0589

Toll-free: 877-689-5228

E-mail: [videoease@muxlab.com](mailto:videoease@muxlab.com)

URL: [www.muxlab.com](http://www.muxlab.com)