

Overview

The Component/Composite Video Balun (500056, 500057) allows one component video (YPbPr or RGB) signal and one Composite Video signal to be transmitted via one Category 5E/6 twisted pair cable for more cost-efficient cabling.

Used in pairs, the Component/Composite Video Balun supports 480i/p, 720p and 1080i/p video formats for commercial and residential hi-definition (HDTV) video applications. Works in conjunction with MuxLab rack, wall and surface mounting accessories.

Benefits

More cost efficient cabling
Quicker moves, adds and changes
Neater wiring



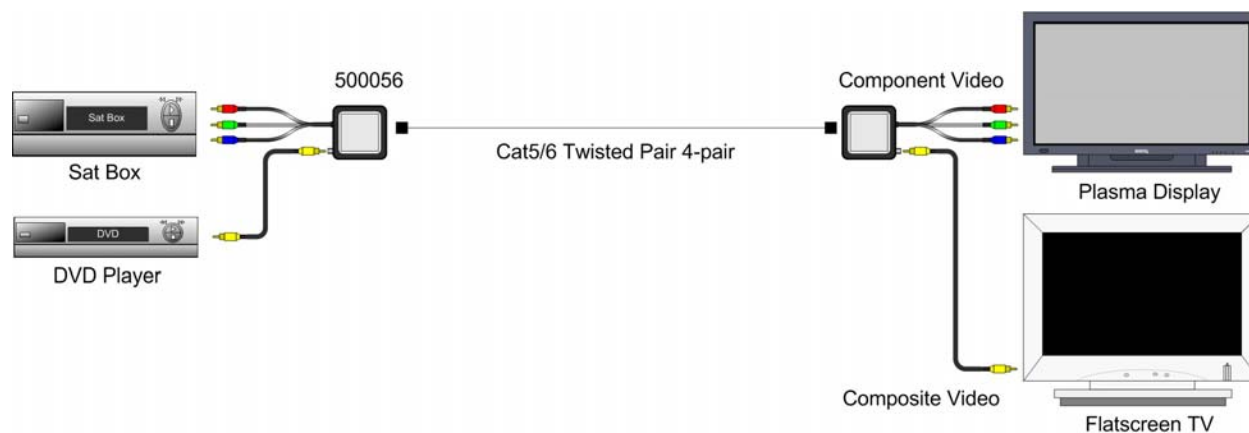
Features

Supports 480i/p, 720p, 1080i/p
Supports 480i/p up to 1,000 ft (305m) via Cat5E/6
Supports 720p/1080i/p up to 500 ft (152m) via Cat 5E/6
Moulded colour-coded RCA cable leads
Supports composite video on fourth twisted pair
Modular shielded RJ45 connector

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	500056: Three (3) RCA-M connectors: Green (Y), Blue (Pb), Red (Pr) 500057: Three (3) gold-plated RCA-F connectors: Green (Y), Blue (Pb), Red (Pr) One (1) RCA-F connector for Composite Video 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	ABS fire retardant plastic
Dimensions	500056: plus 6" (15.24cm) cable lead for video. 500057: 2.40" x 2.25" x 1.0" (6.1 x 5.7 x 2.54 cm)
Weight	2.6 oz (74gms)
Regulatory	FCC, CE, RoHS.
Warranty	Lifetime
Order Information	500056 Component/Composite Video Balun, M 500057 Component/Composite Video Balun, F

Component-Composite Video Balun 500056, 500057

Typical Application



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