



## Overview

The VideoEase Component Video Balun allows a single component video signal (Y, Pb, or Pr) to be transmitted via cost-effective unshielded twisted pair (UTP) cable. Three (3) balun pairs are required for one point-to-point component video (YPbPr) connection.

The product allows three coaxial cables to be replaced by one Category 5 twisted pair cable allowing standard structured cabling techniques to be used for neater and more streamlined cabling.

The Component Video Balun is compact enough to allow three (3) units to be connected side by side on the back of the component video equipment.

## Benefits

Cost savings - eliminate costly coaxial cable  
 Quicker moves, adds and changes  
 Neater wiring



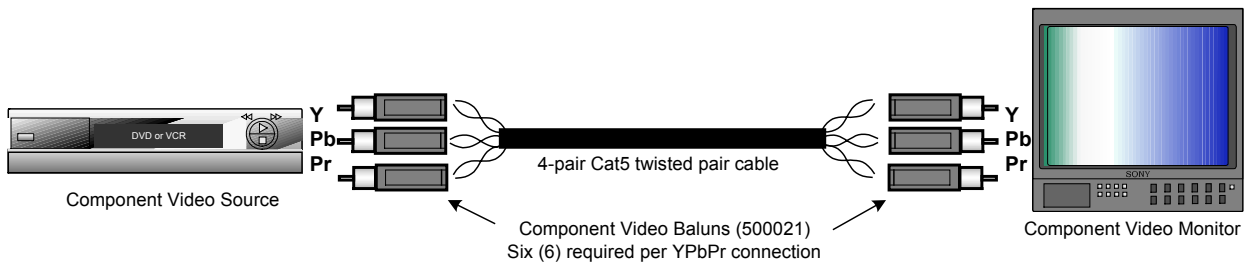
## Features

- Supports one component of the YPbPr video signal up to 1,000 ft (305m) via Cat 5 UTP.
- Three (3) balun pairs required per YPbPr connection.
- Also supports composite video (NTSC, PAL, SECAM) up to 2,200 ft (670m)
- Gold-plated connector
- Cable strain relief
- Compact design
- Lifetime warranty
- Design patent pending

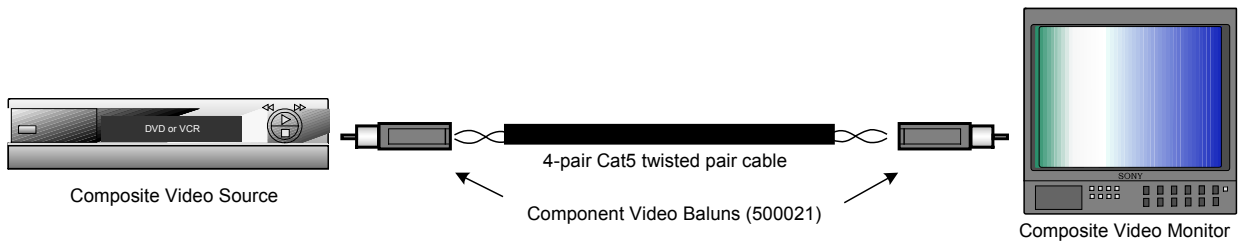
Specifications	
<b>Environment</b>	Component (YPbPr) video. Composite video (NTSC, PAL, SECAM).
<b>Devices</b>	DVD, VCR, TV, satellite receivers, monitors, switchers, home theatre and other equipment supporting component video.
<b>Transmission</b>	Transparent to the user.
<b>Bandwidth</b>	Video: DC to 8 MHz.
<b>Maximum Input</b>	1.1Vp-p
<b>Insertion Loss</b>	Less than 2 dB per pair over the frequency range from DC to 8 MHz
<b>Return Loss</b>	Greater than 15 dB over the frequency range from DC to 8 MHz
<b>Common Mode Rejection</b>	Greater than 60 dB @ 8 MHz
<b>Max. Distance Colour – Cat 5 UTP</b>	Component (YPbPr): 1,000 ft (305m). Composite: 2200 ft (670m)
<b>Cable – UTP</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 – BNC</b>	Impedance: 75 ohms at 1 MHz
<b>Connectors</b> <i>Reverse polarity sensitive</i>	One (1) gold-plated RCA connector Two (2) screw terminals for twisted pair
<b>Impedance</b>	Input: 75 ohms unbalanced (RCA connector) Output: 100 ohms balanced UTP (screw terminals)
<b>Temperature</b>	Operating: 0° to 55°C. Storage: -20° to 85°C. Humidity: up to 95%
<b>Enclosure</b>	ABS fire retardant plastic
<b>Dimensions</b>	1.25" x 0.5" x 0.5" (3.2 x 1.3 x 1.3 cm)
<b>Weight</b>	1.5 oz (42.5gm)
<b>Regulatory</b>	FCC, CE. Design patent pending.
<b>Warranty</b>	Lifetime
<b>Order Information</b>	500021 VideoEase Component Video Balun

# VideoEase Component Video Balun

## Typical Application A – Component Video (YPbPr) Connection



## Typical Application B – Composite Video (NTSC, PAL, SECAM) Connection



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