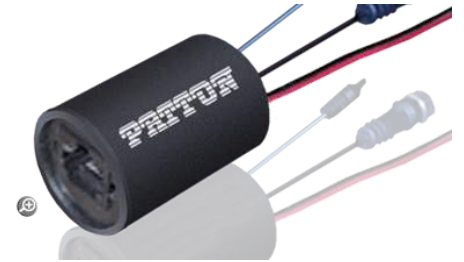


# CCTV/CATV Baluns

## Connect-IT 320 Passive CCTV Baluns w/Power Pass-Thru



## Connect $\leftrightarrow$ IT

*Why use expensive and difficult-to-manage coax cabling when you can use inexpensive twisted-pair?*

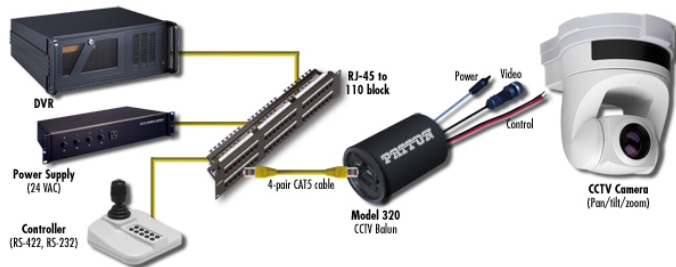
### Overview

Patton's CCTV Pass-Thru Balun allows video, 2-wire pan/tilt/zoom (PTZ) control and remote power to be transmitted via one 4-pair Cat5 cable eliminating the need to install multiple cables in the CCTV security and surveillance environment. The pass-thru balun may be used in pairs or in conjunction with standard twisted pair cross-connect devices and other Patton CCTV baluns.

### Features

- Communicate over existing telephone lines or other twisted pair media
- Connect twisted pair using RJ-45 or terminal block
- Distances up to 2,230 feet (680 meters) over Cat5 cable

### Applications



# Specifications

**UTP:** 24 gauge or lower, twisted pair

**Impedance:** 100 Ohm at 1 MHz

**Max. Capacitance:** 20 pf/ft

**Attenuation:** 6.6 dv/1000 ft @ 1 MHz

**BNC:** Impedance: 75 Ohm @ 1 MHz (RG-59)

**Bandwidth:** Video DC to 8 MHz

**Maximum Input:** 1.1 Vp-p

**Impedance:** 75 to 100 Ohm

**Insertion Loss:** Max 2 dB per pair over frequency range from DC to 8 MHz

**Return Loss:** Greater than 15 dB over the frequency range from DC to 8 MHz

**Common mode rejection:** Greater than 40 dB at 8 MHz

**Max. Distance:** 24VAC via three pairs with 10% voltage drop at camera

**5VA:** 519 feet (170 meters)

**10VA:** 258 feet (85 meters)

**20VA:** 130 feet (43 meters)

**30VA:** 86 feet (28 meters)

**Max Input Voltage:** 50V (AC RMS/DC)

**Max Current Rating:** 4.5A (AC RMS/DC)

## **Active Pins:**

Model 320: 8+ 7- (video), 1 2 3 4 5 6 (power)

Model 321: 8+ 7- (video), 1 2 3 6 (power), 4, 5 (data, PTZ control)

Model 322: 8+ 7- (video), 4 5 3 6 (data, speed dome)