

# CCTV/CATV Baluns

## Connect-IT 310 Passive CCTV Baluns



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

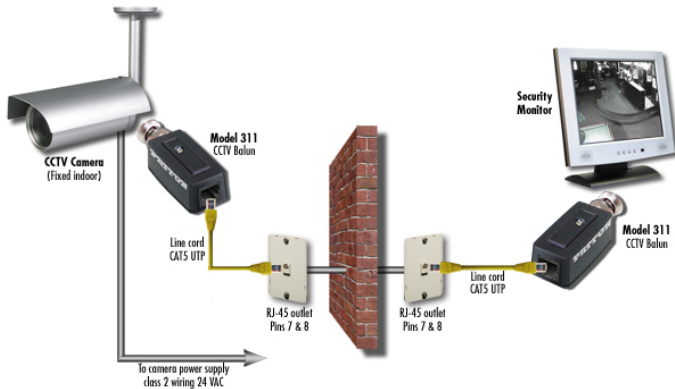
## Overview

The Model 310M CCTV Modular Balun allows a single composite CCTV video signal to be transmitted via a single unshielded twisted pair for more versatile security and surveillance cabling. Used in pairs, the CCTV Balun eliminates costly and bulky coax cable.

## Features

- Communicate over existing telephone lines or other twisted pair media
- Connect twisted pair using RJ45 or terminal block
- Distances up to 2,230 feet (680 meters) over Cat5 cable
- No AC or power required and supports bi-directional signal conversion

## 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

**Active Pins:** 8+ 7-