



# TW3001P Single-Channel Video Transceiver

## PASSIVE VIDEO TRANSMISSION OVER UNSHIELDED TWISTED PAIR

### Product Features

- No Power Required
- Full Motion Color/Black and White Video Up to 750 Feet
- Supports Coaxitron® Control (PTZ Control Signals) Up to 750 Feet
- Compatible With All Pelco Twisted Pair Equipped Cameras, Enclosures, and Domes
- Easy Termination With Screw Terminals
- Supports NTSC, PAL, and SECAM



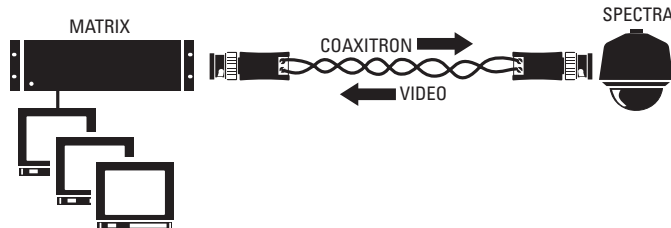
TW3001P

The **TW3001P** video transceiver is a single-channel balun that sends full motion video (color/black and white) and coaxitron PTZ control signals over a single, unshielded twisted pair (UTP) cable. Its passive design eliminates the need for external power.

The balun is less than two inches long and has a BNC connector on one end and screw terminals on the other end. It can be used at the camera and/or monitoring location.



TW3001P AS TRANSMITTER AND RECEIVER



VIDEO AND COAXITRON PTZ CONTROL OVER UTP



TW3001P AS RECEIVER CONNECTED TO OTHER UTP SOURCES



C1664 / NEW 1-06



International Standards Organization Registered Firm; ISO 9001 Quality System



# TECHNICAL SPECIFICATIONS

## MODELS

TW3001P                      Passive, single-channel video transceiver

## ELECTRICAL/VIDEO

Power Source                      No power required  
Wire Type                          Unshielded Twisted Pair (18 AWG maximum)  
Wire Category                      Cat3 or better  
Wire Impedance                      100 ohms +/- 20%  
Wire Distance                        750 feet maximum using Cat5e or Cat6

Cable Type	Distance (with Coaxitron)	Distance (video only)
Cat3	300 ft	400 ft
Cat5	500 ft	650 ft
Cat5e	750 ft	750 ft
Cat6	750 ft	750 ft

DC Loop Resistance                52 ohms per 1,000 feet  
Differential Capacitance            19pF/ft max  
Transient Immunity                Meets EN50130-4 Clause 9, 10, 12 and 13  
Insertion Loss                      0.3 dB

## VIDEO CHARACTERISTICS

Video Input/Output                One BNC; internally terminated in 75 ohms  
Format                                NTSC, PAL, SECAM  
Frequency Response                DC to 10 MHz  
Common Mode/Differential  
Mode Rejection                      >60 dB typical

## MECHANICAL

Connectors  
  BNC                                Video input/output  
  Screw Terminal                    UTP input/output

## GENERAL

Construction                        ABS plastic and metal  
Finish                                Black  
Operating Temperature            -40° to 185°F (-40° to 85°C)  
Relative Humidity                    0 to 90%, noncondensing  
Data Transmission                 Supports Coaxitron up to 750 feet (228.6 m)  
Dimensions                         1.75" H x 0.56" W x 0.44" D  
    (4.44 x 1.42 x 1.12 cm)  
Unit Weight                         0.05 lb (0.02 kg)  
Shipping Weight                    1 lb (0.45 kg)

## CERTIFICATIONS

- CE
- UL Listed
- UL Listed to Canadian safety standards



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