



## 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



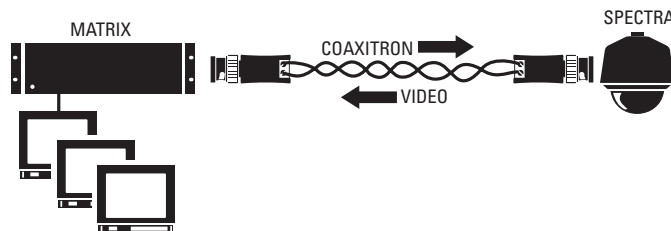
TW3001P

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.

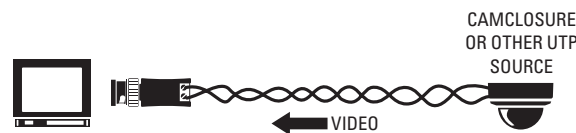
The balun is less than two inches long and has a BNC connector on one end and screw terminals on the other end. It can be used at the camera and/or monitoring location.



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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