



TW3001AT Single-Channel Video Transmitter

ACTIVE VIDEO TRANSMISSION OVER UNSHIELDED TWISTED PAIR

Product Features

- DIP Switch for Selecting Distance and Receiver Type
- Full Motion Color/Black and White Video up to 3,000 ft (914.4 m) with a Passive Receiver and up to 5,000 ft (1,524 m) with an Active Receiver
- Supports Coaxitron® Control (PTZ Control Signals) up to 750 ft (228.6 m)
- Compatible with All Pelco Twisted Pair Equipped Cameras, Enclosures, and Domes
- 120 VAC or 230 VAC Power Supply
- Built-in Surge Suppression
- Easy Termination with Removable UTP Connector
- Supports NTSC, PAL, and SECAM
- Brackets Allow Wall Mounting

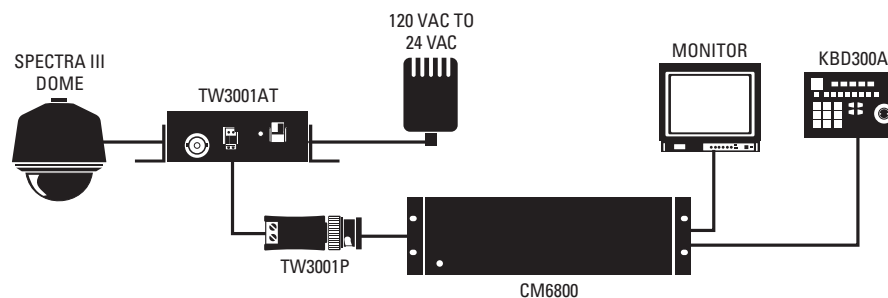


The **TW3001AT** is a single-channel active transmitter that can transmit live video over unshielded twisted pair (UTP) cable. Cat5e or Cat6 cable is recommended.

The top of the unit has a DIP switch that allows you to select the distance (500-3,000 feet/152.4-914.4 meters) when using the transmitter with a passive receiver. The maximum distance when connecting a **TW3001AT** to a Pelco active receiver is set to 4,000 feet (1,219.2 meters) automatically. You can increase this distance to either 4,500 or 5,000 feet (1,371.6 or 1,524 meters) using the DIP switches. The fifth switch is for selecting receiver type (active or passive). For Coaxitron® control devices, 750 feet (228.6 meters) is the maximum distance over UTP.

The **TW3001AT** allows for multiple applications. For example, you can connect it to a matrix switcher, such as the CM6800, via a Pelco passive transceiver. Pelco cameras connect to the BNC connector on the **TW3001AT**.

Each transmitter has brackets attached to its sides for wall mounting.



C1663 / REVISED 4-06



International Standards
Organization Registered Firm;
ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

MODELS

TW3001AT	Single-channel active transmitter; 120 VAC power supply
TW3001AT-X	Same as TW3001AT, except has a 230 VAC power supply

ELECTRICAL

Input Voltage	24 VAC, 50-60Hz
Power Consumption	4.5 watts
Wire Type	Unshielded twisted pair (24 AWG maximum)
Wire Category	Cat3 or better
Wire Distance	5,000 ft (1,524 m) maximum with active receiver using Cat5e or Cat6

Cable Type	Distance (with Coaxitron)	Distance with Passive Receivers (video only)	Distance with Active Receivers (video only)
Cat3	750 ft (228.6 m)	1,500 ft (457.2 m)	2,500 ft (762 m)
Cat5	750 ft (228.6 m)	3,000 ft (914.4 m)	5,000 ft (1,524 m)
Cat5e	750 ft (228.6 m)	3,000 ft (914.4 m)	5,000 ft (1,524 m)
Cat6	750 ft (228.6 m)	3,000 ft (914.4 m)	5,000 ft (1,524 m)

DC Loop Resistance	52 ohms per 1,000 ft (304.8 m)
Differential Capacitance	19pF/ft max
Transient Immunity	300 W peak pulse power (8/20 US)
Insertion Loss	72 dB over; 0-8 MHz frequency range

VIDEO CHARACTERISTICS

Video Output	One BNC
Format	NTSC, PAL, SECAM
Frequency Response	DC to 10 MHz
Common Mode/Differential Mode Rejection	>70 dB

MECHANICAL

Connectors	One BNC
BNC	UTP input/output
2-Pin Connector (2.5 mm)	Power
2-Pin Connector (3.5 mm)	
Switches	One DIP switch

GENERAL

Construction	Steel
Finish	Metallic gray
Operating Temperature	32° to 167° F (0° to 75° C)
Relative Humidity	0 to 90%, noncondensing
Data Transmission	Supports Coaxitron up to 750 ft (228.6 m)
LED Indicator	Green power LED
Dimensions	1.12" H x 3.00" W x 2.25" D (2.84 x 7.62 x 5.72 cm)
Unit Weight	0.30 lb (0.14 kg)
Shipping Weight	2 lb (0.91 kg)

CERTIFICATIONS

- CE, Class A
- UL Listed
- UL Listed to Canadian safety standards
- FCC, Class A



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