

TW4000P Series Multichannel Video Transceivers

PASSIVE VIDEO TRANSMISSION OVER UNSHIELDED TWISTED PAIR

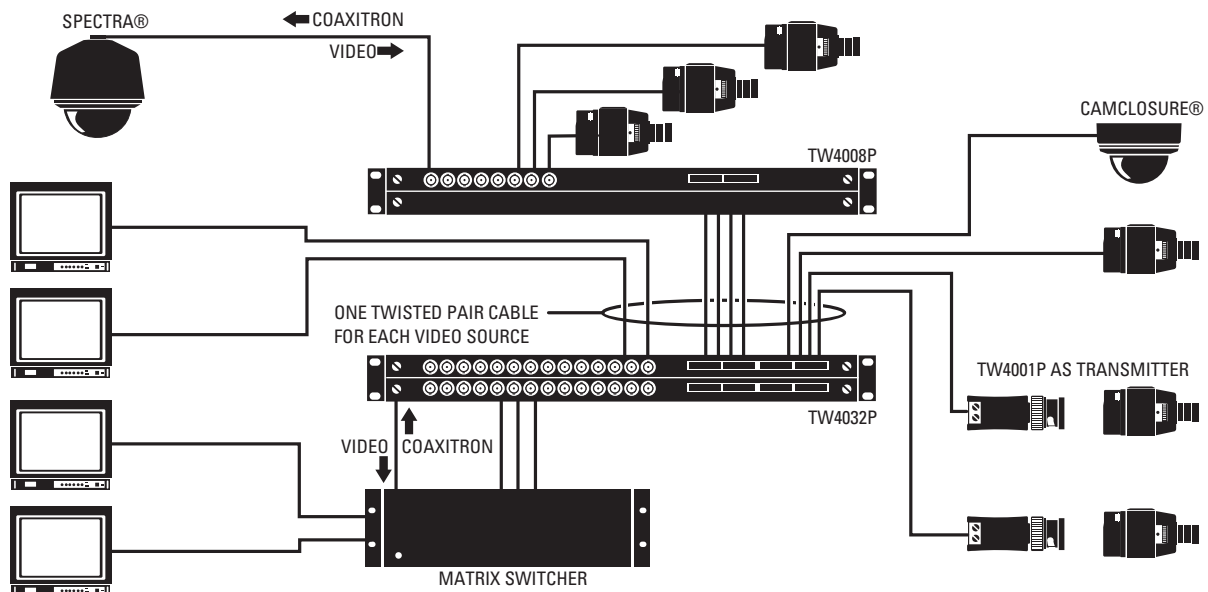
Product Features

- 8, 16, 32 Channel Versions Available
- No Power Required
- Built-In Surge Suppression
- Full Motion Color/Black-White Video up to 750 Feet (228.6 Meters)
- Supports Coaxitron® Control (PTZ Control Signals) up to 750 Feet (228.6 Meters)
- Compatible with All Pelco Twisted Pair Equipped Cameras, Enclosures, and Domes
- Easy Termination with Screw Terminals
- Supports NTSC, PAL, and SECAM
- Rack Mountable



The **TW4000 Series** multichannel video transceivers can transmit multiple video signals over unshielded twisted pair (UTP) cable. The transceivers are available with 8, 16, or 32 channels and can be mounted into an industry standard 19-inch (48.26 cm) wide equipment rack.

The transceivers can be used at the camera and monitoring locations. They allow for easy connectivity with any video source or destination device, such as cameras, monitors, and matrix switchers. These transceivers will transmit video (color/black-white) and Coaxitron® (up-the-coax) PTZ control signals on the same pair of UTP wires.



IMPORTANT NOTE: PLEASE READ.

The network implementation is shown as a general representation only and is not intended to show a detailed network topology. Your actual network will differ, requiring changes or perhaps additional network equipment to accommodate the system as illustrated. Please contact your local Pelco Representative to discuss your specific requirements.



TECHNICAL SPECIFICATIONS

MODELS

TW4008P	Passive, 8-channel video transceiver
TW4016P	Passive, 16-channel video transceiver
TW4032P	Passive, 32-channel video transceiver

ELECTRICAL/VIDEO

Power Source	No power required
Wire Type	Unshielded Twisted Pair (24 AWG maximum)
Wire Category	Cat3 or better
Wire Impedance	100 ohms \pm 20%
Wire Distance	750 ft (228.6 m) maximum using Cat5e or Cat6

Cable Type	Distance (with Coaxitron)	Distance (video only)
Cat3	300 ft (91.44 m)	400 ft (121.92 m)
Cat5	500 ft (152.40 m)	650 ft (198.12 m)
Cat5e	750 ft (228.60 m)	750 ft (228.60 m)
Cat6	750 ft (228.60 m)	750 ft (228.60 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	<1 dB; 0 to 8 MHz frequency range

VIDEO CHARACTERISTICS

Video Input/Output	1 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	Aluminum
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 ft (228.6 m)
Dimensions	7.00" D x 17.50" W x 1.75" H (17.78 x 44.45 x 4.44 cm)
Unit Weight	
TW4008P	2.94 lb (1.33 kg)
TW4016P	3.10 lb (1.41 kg)
TW4032P	4.42 lb (2.00 kg)
Shipping Weight	
TW4008P	5 lb (2.27 kg)
TW4016P	5 lb (2.27 kg)
TW4032P	6 lb (2.72 kg)

CERTIFICATIONS

- CE
- UL/cUL Listed

Pelco, Inc. Worldwide Headquarters:

3500 Pelco Way, Clovis, California 93612-5699 USA

USA & Canada Tel: (800) 289-9100 • FAX: (800) 289-9150

International Tel: +1 (559) 292-1981 • FAX: +1 (559) 348-1120

www.pelco.com

Pelco, the Pelco logo, Spectra, Camclosure, and Coaxitron are registered trademarks of Pelco, Inc.
Product specifications and availability subject to change without notice.
©Copyright 2009, Pelco, Inc. All rights reserved.