

CM9700UTP32A Multichannel Video Receiver

ACTIVE VIDEO TRANSMISSION OVER UNSHIELDED TWISTED PAIR

Product Features

- Full Motion Color/Black-White Video up to 4,000 ft (1,219 m)
- Adaptive Video Equalization Technology Within Defined Distance Range
- Comprehensive Thermal Management System
- Video, Fan, and Temperature Indicators and an Audible Alarm
- UTP Range Selection and Indicators
- Each Channel Has a BNC Connector for Video Output
- Compatible with All Pelco Cameras, Enclosures, and Domes Equipped with Twisted Pair
- Video Ribbon Cable Connectors for Connecting to a CM9700 Series Matrix
- Easy Termination with RJ-45 UTP Connectors
- Optional Patch Panels Convert RJ-45 Connections to Individual Screw Terminal Connections



- Supports NTSC, PAL, and SECAM
- Built-In Surge Suppression for UTP Video Inputs
- Can Be Mounted into a Standard EIA, 19-Inch Rack

The **CM9700UTP32A** multichannel active receiver is a 32-channel unit that can receive live video over unshielded twisted pair (UTP) cable. The **CM9700UTP32A** receives full motion color or black-white video up to 3,000 ft (900 m) using Cat5 or 4,000 ft (1,200 m) using Cat5e or Cat6 UTP cable. The unit can be connected to the optional TW3016-PATCH1 or TW3032-PATCH1 patch panel. Each unit can be connected to a CM9780-MXB matrix using the provided video ribbon cable connectors.

The **CM9700UTP32A** front panel controls and indicators make the unit quick and easy to configure and use. The unit provides a rotary switch and LED for each channel. Use the rotary switch to select a UTP cable distance: 1,000 ft (300 m); 2,000 ft (600 m); 3,000 ft (900 m); or 4,000 ft (1,200 m).

For optimal tuning, adjust the rotary switch to the correct color video range position; the device automatically adjusts the gain and adapts to the cable length. The channel LED glows green when color video is received over UTP and the unit is properly tuned, orange when black-white video is received, and red when no video is received over UTP.

The **CM9700UTP32A** Pelco badge glows blue when the unit has power. If a fan fails or the unit operating temperature rises above 95°F (35°C), the Pelco badge flashes and an alarm sounds. Additionally, each fan is equipped with an LED that glows red to indicate fan failure.

The unit's adaptive video equalization technology ensures high-quality video processing by correcting for video transmission losses over UTP cable within the selected distance range. The **CM9700UTP32A** automatically adapts to cable lengths within the selected range for composite signals with colorburst, and it allows fixed-equalization settings for video signals without burst. The device also compensates for low frequency and chroma band losses.

Conveniently make video input and output cable connections through the unit's back panel. The **CM9700UTP32A** provides 32 BNC video output connectors and eight RJ-45 UTP video input ports (four video inputs per port). Two video ribbon cable connectors are provided for interfacing the **CM9700UTP32A** to a CM9780-MXB matrix.



C3646 / NEW 11-07-08



International Standards
Organization Registered Firm;
ISO 9001 Quality System

