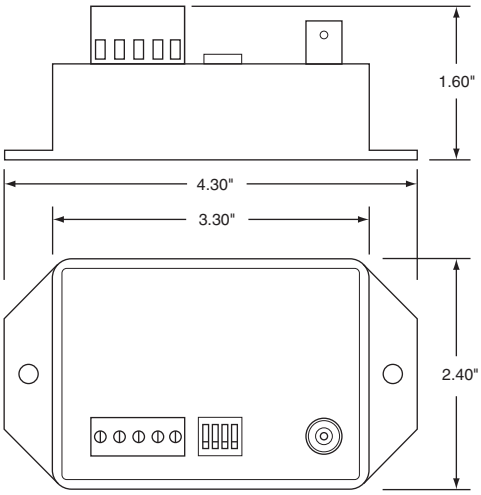
EX560

Video Transmission System

03/12

PRODUCT SPECIFICATION



Description

The **EX560** is a complete twisted pair video system made up of a TR560 receiver unit and a TT560 transmitter unit. The system is designed to operate over Category 2 or better twisted pair cable. It works well over existing communication, computer network spare pairs, or new cable installations. A highly balanced transmitter output assures that the system will not interfere with other network equipment. Advanced receiver and transmitter electronics provide optimum video quality and complete immunity from ground loop, hum and noise. Both the transmitter and receiver provide adjustment for gain and frequency compensation allowing the system to be "fine-tuned" for the cable. These unique adjustments provide optimum performance over the entire operating range of the system and allow cable lengths to be estimated with a wide safety margin. The receiver and transmitter units each require 12-24 VAC/VDC power. In multiple receiver and/or transmitter applications a common supply can be used for the system.

Features

- Active electronics compensate for frequency and level loss
- Built-in protection from power surges, transients, static or other electrical interference
- High resolution color or monochrome video
- Immunity to ground loop; video and AC can be run in a common raceway, where allowed
- Video can be run in the same cable with telephone and computer signals
- Weather resistant design
- Easy to install

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TECHNICAL SPECIFICATION

Receiver Unit

Size	1.6” H x 4.3” W x 2.4” D
Power Requirements	12-24 VDC/VAC @ 100mA RX 12-24 VDC/VAC @ 300ma TX
Input	Balanced low voltage current loop
Output	1 Vpp composite video Monochrome or Color
Common Mode Rejection	>70dB

Transmitter Unit

Size	1.6” H x 4.3” W x 2.4” D
Power Requirements	12-24 VAC/VDC @ 300mA
Input	1 Vpp composite video Monochrome or Color
Output	Balanced low voltage current loop
Common Mode Rejection	>70dB

System

Video Format	PAL, SECAM, NTSC, RS170, CCIR (Color or B/W)
Video Input	1 Vpp composite video Monochrome or Color
Operating Frequency	1 Hz to 10 MHz
Wire Size	26 to 18 AWG unshielded twisted pair
DC Loop Resistance	51 Ohms/1,000 ft (max)
Nominal Capacitance	17pF/ft
Impedance	100 Ohms +/- 20%
Category Wire	2 or better
Temperature Range	-20°C to +65°C
Humidity Range	0 to 98%, non-condensing
Enclosure Material	Black, ABC flame retardant plastic
Twisted Pair Connection	Screw terminals
Shipping Weight	2 lbs

Wire and Cable Recommendations

We recommend using unshielded twisted pair wiring. The systems will operate over wire 26 to 18 AWG but are optimized for 24 AWG. Category cables may be used. Individually shielded pairs should be avoided, as they drastically reduce the operating range of the systems. Multi-pair cable with an overall shield is acceptable. Video can be operated in the same communication cable coexistent with telephone, computer, control signals, power voltages and other video signals. While video may be routed through telephone punch down block terminals, any bridge-taps, also called T-taps and any resistive, capacitive or inductive devices MUST BE removed from the pair.