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KTS-273-16

UTP Active Transceiver Hub

Overview

The KTS-273-16 is a 16-channel passive transceiver that is part of GE Security's new, integrated CCTV UTP (unshielded twisted pair) system. Designed to expand the capabilities of the CyberDome® product line, this active receiver is able to receive real time color or monochrome video up to 3,000 feet over standard UTP telephone wire. Transmitting over UTP wire, rather than over traditional video cable, provides a reliable, high quality, flexible and expandable system that uses less conduit space, and can be built into existing wiring topologies.

Outstanding Features

This 16-input receiver was designed with unparalleled interference immunity, allowing video signals to coexist in the same wire bundle as telephone, datacom signals, and low voltage power circuits with no degradation in video quality. Video signals are sent without the need to digitize or compress, and without the signal degradation associated with these techniques.

The KTS-273-16 provides built-in transient protection and surge suppression. The ability to transmit over UTP wire means that the KTS-273-16 can be utilized in both new and existing installations. The unit is housed in an attractive rack-mount enclosure using only one unit of rack space.

The KTS-273-16 active receiver has been designed to work with other GE Security transceiver and receiver components as a system, and is guaranteed to function only when paired with GE Security and Network Video Technologies (NVT) compatible products.



Standard Features

- **Real time video over unshielded twisted-pair**
- **Receive or transmit up to 3,000 feet**
- **16 video inputs**
- **Interference immunity**
- **Built-in transient protection**
- **Compatible with NTSC, PAL, and SECAM**
- **Rack-mountable**



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Specifications

Video

- Frequency response: DC to 5 MHz
- Adjustable distance equalization: Brightness and contrast control
- Common-mode/differential-mode rejection: 15 KHz to 5 MHz, 60 dB typ
- Impedance: Coax, female BNC 75 ohms/UTP, Terminal Block 100 ohms

LED Indicators

- Blue: "Power On"
- Green: "Active" video present

Wire Type

- Network wiring: (1) UTP per port channel
- Wire gauge: 24 AWG or thicker
- Category type: 2, 3, 4, 5 or better
- Impedance: 100 ± 20 ohms
- DC loop resistance: 52 ohms per 1,000 ft
- Differential capacitance: 19 pF/ft max
- Wire length (camera to monitor): Up to 3,000 ft (w/coax)
- Coax cable impedance: 75 ohms

Electrical

- KTS-271-16 (transformer & terminal block included): 24 VAC/DC, 800 mA max

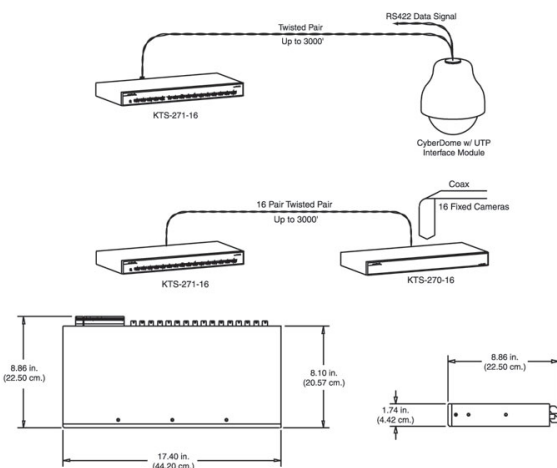
Environmental

- Temperature: 32° to 122° F (0° to 50° C)
- Humidity (non-condensing): 0 to 95 percent
- Transient immunity: 6,000 V 1.2 μ S x 50 μ S (per ANSI/IEEE 587 C62.41 B3 3,000 A 8 μ S X 20 μ S when ground screw is bonded to earth ground)

Mechanical

- Weight: 5 lb (2.2 kg)
- Mounting: "L" brackets, rack-mount

Related Diagram



Ordering Information

KTS-273-16



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