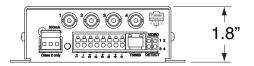


Description

The VH451 4-port active video mini-hub is a multichannel video receiver device that provides a low cost means of receiving quality video over Category cabling. The system can also adapt to existing communication and computer network spare pairs or new cable installations. The VH451 can receive video up to 1,500 feet when used with passive transmitters. The VH451 provides superior immunity from noise and interference, even when run in common raceways with AC.

5.5"



Features

- Quality video over ordinary twisted pair
- Built-in surge suppression
- Built-in ground loop isolation
- Convenient access to DIP switches for accurate gain and loss control
- Immunity to noise and interference
- LED's to indicate video detection
- Compact design
- Video can be run in the same cable with telephone, computer signals and power









TECHNICAL SPECIFICATION

VH451—4 Port Active Video Mini-Hub

Size 5.5" H x 1.8" W x 4.6" D

Power Requirements 12-24 VAC/VDC 300mA max.

Class 2

Input Balanced low voltage current loop

Output 1 Vpp composite video Monochrome or Color

Video Format PAL, SECAM, NTSC, RS170,

CCIR (Color or B/W)

Twisted Pair Connection Screw terminals

Wire Spec

26 to 18 AWG twisted pair

DC Loop Resistance 51 Ohms/1,000 feet

Nominal Capacitance 17pF/ft

Impedance 100 Ohms +/- 20%\

Category Wire 2 or better

Common Mode

>70dB

Rejection

Operating Frequency DC to 10 MHz

Recommended

Transmission Distance

Up to 1,500 feet

Transient Immunity Built-in

Temperature Range -20°C to +55°C

Humidity Range 0 to 98%, non-condensing

Shipping Weight 3 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. Multipair 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.

