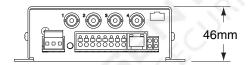


# 140mm 117mm



# **Description**

The VH456 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 VH456 can receive video up to 900 meters when used with passive III transmitters or distances up to 1800 meters with the Nitek TT560 active transmitter. The VH456 provides superior immunity from noise and interference, even when run in common raceways with AC.

## 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











### VH456—4 Port Active Video Mini-Hub

Size (mm) 140 H x 46 W x 117 D

Power Requirements 24 VAC 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)

0,5 to 1,2mm twisted pair

Twisted Pair Connection

Screw terminals

Wire Spec DC Loop Resistance

51 Ohms/300 meters 56pF/m

Nominal Capacitance

100 Ohms +/- 20%\ Impedance

Category Wire 2 or better

Common Mode Rejection

>70dB

Operating Frequency DC to 10 MHz

Recommended Up to 900 meters w/passive baluns

Transmission Distance Up to 1800 meters w/active

transmitters

Transient Immunity Built-in

Temperature Range -20°C to +55°C

**Humidity Range** 0 to 98%, non-condensing

### Wire and Cable Recommendations

We recommend using unshielded twisted pair wiring. The systems will operate over wire 0,5mm to 1,2mm but are optimized for 0,6mm. 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.

