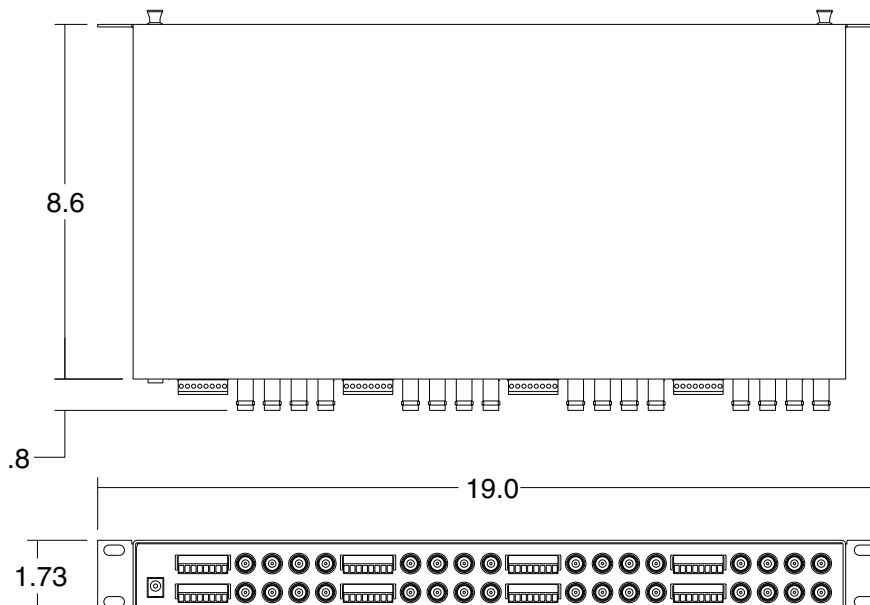


## Description

The **VH3251** is a multi-channel video receiver hub that provides a low cost means of receiving quality live video over Category UTP cabling. The system can also adapt to existing communication and computer network spare pairs or new cable installations. The VH3251 can receive video up to 1,500 feet (450 meters) when used with passive transmitters. This hub provides superior immunity from noise and interference, even when run in common raceways with AC power.

## 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
- High immunity to noise and interference
- LED's to indicate video detection
- Highly compact, only one rack unit in height
- Video can be run in the same cable with telephone, computer signals and power



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# TECHNICAL SPECIFICATION

## 32 Port Active Video Hub

Size	1 RU x 6.0" D
Power Requirements	24VAC
Video Input	Balanced low voltage current loop
Video Output	1 Vpp composite video Monochrome or Color
Common Mode Rejection	>70dB
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
Operating Frequency	DC to 10 MHz
Recommended Transmission Distance	Up to 1,500 feet w/passive baluns
Transient Immunity	Built-in
Temperature Range	-20°C to +65°C
Humidity Range	0 to 98%, non-condensing
Shipping Weight	17 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.

