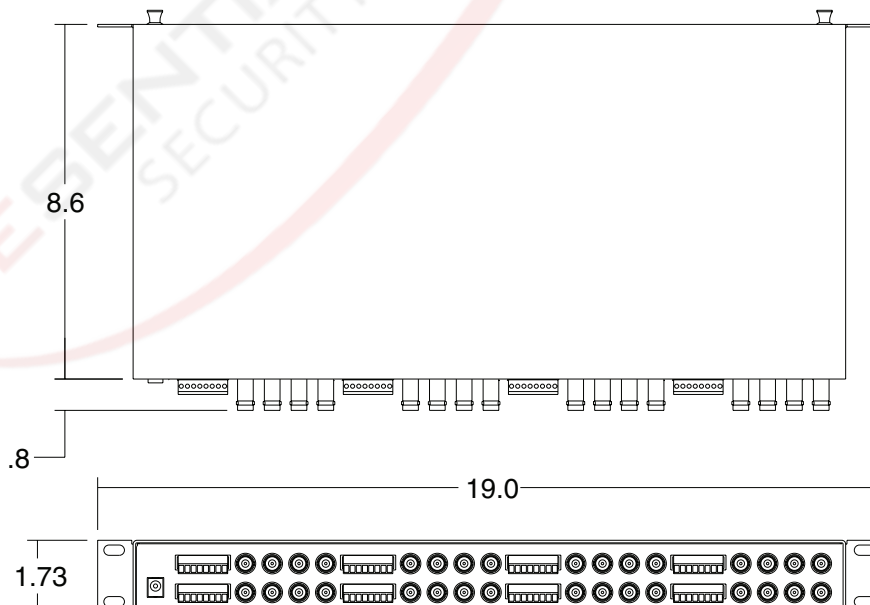


## Description

The **VH3256** 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 VH3256 can receive video up to 3,000 feet (900 meters) when used with passive transmitters or 6,000 feet (1800 meters) when used with the Nitek TT560 active transmitter. 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<br>Monochrome or Color  |
| Common Mode Rejection             | >70dB   |
| Video Format                      | PAL, SECAM, NTSC, RS170,<br>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 3,000 feet (900 meters)<br>w/passive baluns<br>Up to 6,000 feet (1800 meters)<br>w/active transmitter |
| 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.

