VH851

8 Port Active Video Hub

03/10

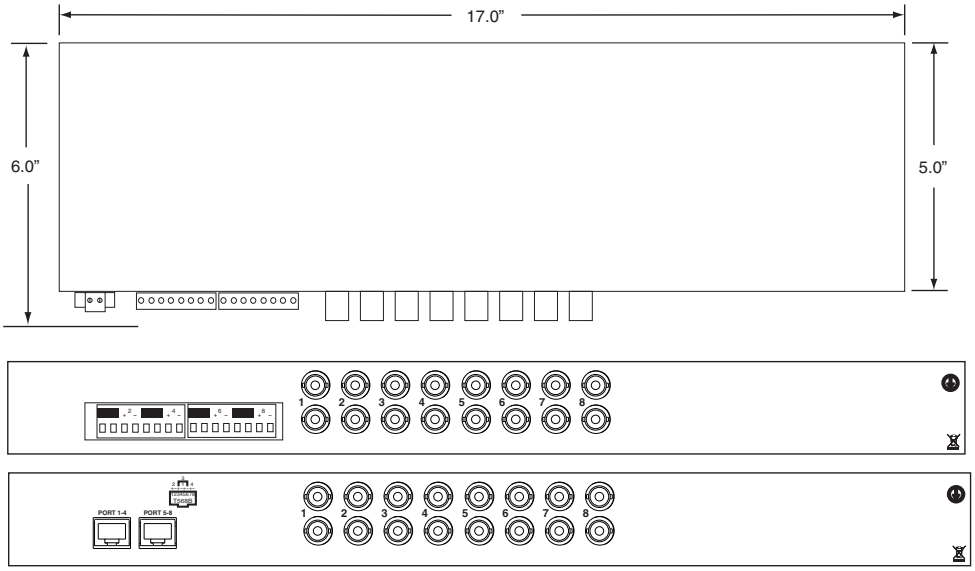
PRODUCT SPECIFICATION

Description

The **VH851** is a multi-channel video receiver hub that provides excellent video quality through two video outputs per channel. Twisted pair installations are made with a choice of the standard screw terminal connections or the modular jack connection featured on the “M” series. The VH851 can receive video up to 1,500 feet when used with passive transmitters. This hub provides superior immunity from noise and interference, even when run in common raceways with AC power.

Features

- Dual video output distribution
- Screw terminals or RJ45 modular jack connectors
- 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



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RoHS COMPLIANT 2002/95/EC

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TECHNICAL SPECIFICATION

8 Port Active Video Hub

Size	1 RU x 6.0” D
Power Requirements	12-24VAC/VDC, 450mA
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	VH851—Screw terminals VH851M—RJ45 modular jacks
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	w/passive units—1,500 feet
Transient Immunity	Built-in
Temperature Range	-20°C to +65°C
Humidity Range	0 to 98%, non-condensing
Shipping Weight	7 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.