



# VI1004

# VIGITRON

## Passive Twisted Pair Video Transceiver Hubs



The Vigatron VI1004 is a 4-port passive transceiver hub that transmits video over unshielded twisted pair (UTP) wires, point-to-point, for distances up to 1000 feet (330 m)\*\*. The VI1004 is used with VI1000 or VB1000 transceivers to support "up-the-coax" PTZ signals. This Hub uses Category 2-5 twisted pair wires, is easy to install, cost effective, and does not require power.

The VI1004 has built-in surge suppression to protect video equipment against damaging voltage spikes and provide noise immunity to ensure quality signals without disturbing "hum-bars". This hub offers quality video in a highly integrated and cost-effective package. Up to three VI1004 can be rack mounted using VIO010 panel to make a low-cost 12 channel HUB. It is ideal for a wide variety of CCTV applications.

## FEATURES

- High-Density, 1U Rack-Mountable with a VIO010 panel
- Quality color and B&W video over 1000 feet (330 m) of unshielded twisted pair wires (UTP)\*\*.
- Compatible with qualified cameras with Built-in UTP transmitter
- NTSC, PAL, and SECAM video formats
- No power required
- 50 dB cross talk and noise immunity
- Built-in surge protection
- Detachable terminal block and RJ-45 connector for UTP
- Limited life-time warranty

## APPLICATIONS

- Security and Surveillance
- Elevator Surveillance
- Casino Security
- Hospitals and Airports
- School Campuses

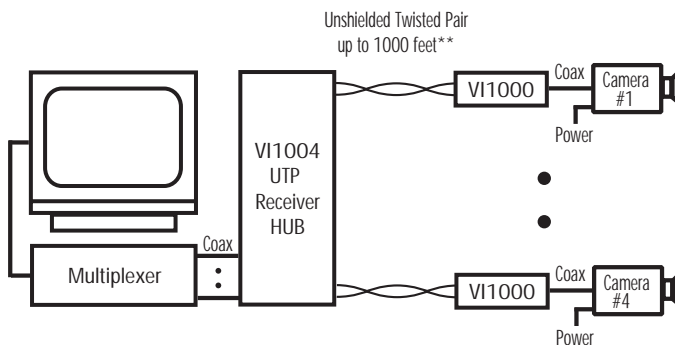
## SPECIFICATIONS\*

Video Format	NTSC, PAL, SECAM
Frequency	DC to 10 MHz
Coax	75 Ohm
Twisted Pair	100 Ohms +/- 20%, 24 AWG min Unshielded Category 2-5 up to 1000 feet (330m)**
CMRR	50 dB
Insertion Loss	0.3 dB
Power	No power required
Connectors	UTP: Detachable Terminal Blocks and RJ-45 Video: BNC Connector Ground: Screw Terminal
Mating Transceivers	VB1000, VI1000, HA1008, HA1016, VI1008, VI1016, VI1032
Temperature	Operating: -10°C to +70°C Storage: -30°C to +70°C
Humidity	0 to 95%, non-condensing
Transient Immunity	6000V, 1.2 uS x 50 uS
Dimensions	0.90x2.19x4.88 Inches, 2.3x5.6x12.4 cm (HxWxL)
Weight	0.2 Lb, 100 g
Material	Black ABS Plastic, UL rating of 94V-0
Mounting	Philips Screws or VIO010 Rack-Mounting Kit (not Included)

\*Specifications subject to change without notice.

\*\*It is recommended not to exceed 750 feet (250m) when using with digital equipment.

## APPLICATION DIAGRAM



**The smart choice for quality video™**