Vi6300VT

Active UTP Video Transmitter

Features

- Quality video over 6,000 ft. (1,830 m) of Unshielded Twisted Pair wires (UTP)
- NTSC, PAL and SECAM video format compatible
- Female BNC and terminal blocks or RJ-45 connectors
- 70 dB cross talk and noise immunity
- Built-in surge protection
- A single distance adjustment for video
- Screw-less connectors
- · Compact size and easy installation
- · Limited lifetime warranty



Applications

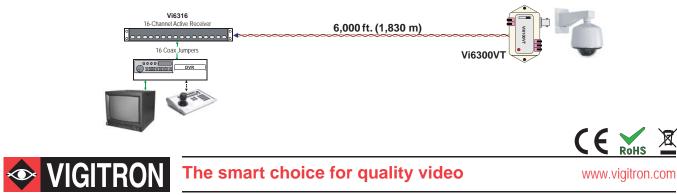
- · Security and surveillance
- · Department store security
- Casino security
- Hospitals and airports
- School campuses

The Vigitron Vi6300VT is an advanced active device that transmits high resolution color or black and white video over unshielded twisted pair wires. The Vi6300VT uses Category 2-7 UTP wire at distances up to 6,000 ft. (1,830 m) and is designed to be paired with any Vigitron Vi6300 series active receivers.

The Vi6300VT is a compact unit. The power requirement is 12-24 Volts AC or DC, auto-ranging and reverse polarity protected. This flexibility allows to power the transmitter from the same power supply as the camera, or it can used with the provided power supply. The screw-less wire terminals and a single distance adjustment make the Vi6300VT easy to install. It also has built-in surge suppression to protect video equipment against damaging voltage spikes. Its integrated ground loop isolation prevents disturbing "hum-bars" common with long distance installations and its excellent crosstalk and noise immunity provides quality video up to the maximum distance.

The Vi6300VT innovative design offers exceptional quality video and system flexibility that makes it ideal for a wide variety of applications that require multiple video channels and makes a cost-effective alternative to expensive fiber optic solutions.

Application Diagram



Technical Specification*

Electrical

Video Format Frequency Coax Twisted Pair

CMRR

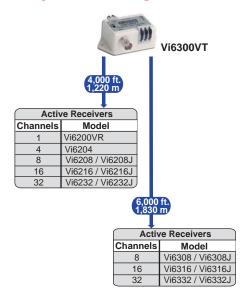
Power

NTSC, PAL, SECAM 20 Hz to 6 MHz 75 Ohm 100 Ohms +/- 20%, 24 AWG minimum up to 6,000 ft. (1,830 m) unshielded Category 2-7 70 dB 12V-24 VDC/AC, 150 mA maximum (12 VDC power supply included) Red LED UTP video output: Screw-less terminal blocks Video intput: Female BNC connector Power: Screw-less terminal blocks Transient Immunity per ANSI/IEEE 587 C62.41

Ordering Information

PART No.	Description
Vi6300VT	Active Transmitter

System Configuration



Environmental

Power Indicator

Connectors

Humidity	
Temperature	

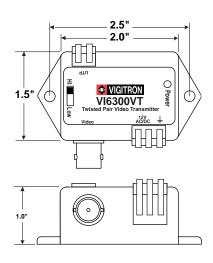
0 to 95%, non-condensing Operating: -10°C to +50°C Storage: -30°C to +70°C

Mechanical

Dimensions	
Weight	
Material	

1.6x2.9x1 in., 4.1x7.4x2.5 cm (HxWxL) 1.5 oz, 40 g ABS plastic, UL rating of 94V-0

*Specifications subject to change without notice.



Wire and Cable Recommendations

The Vigitron products are designed to be used with unshielded twisted pair (UTP) wiring. The UTP wire must be 24AWG - 12AWG or Category 2-7 cable. Multi pair cable with an overall shield is acceptable, however individually shielded pairs should be avoided. Multiple UTP video feeds can be operated in the same communication cable along with telephone, computer, control signals and low power voltages. While UTP video may be routed through punch-down block terminals, any resistive, capacitive or inductive devices (such as T-taps or MOV's) must not be used. Please contact Vigitron for more specific information regarding wire types and proper installation techniques.



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