

# Vi6300VT

## Active UTP Video Transmitter

### Features

- Quality video over 6,500 feet (1,980 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

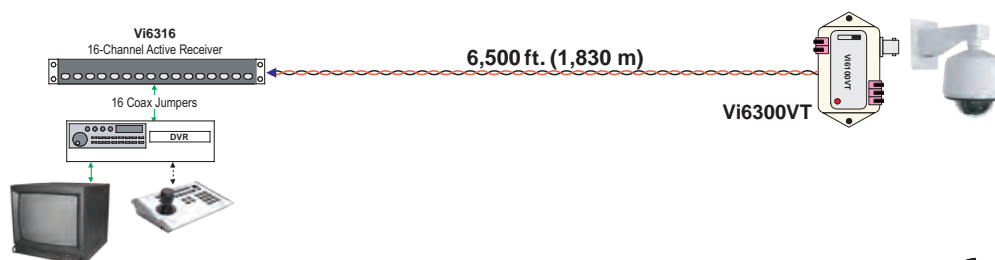
- Security and surveillance
- Department store security
- Casino security
- Hospitals and airports
- School campuses

The Vigitrone 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 6,500 feet (1,980 m) and is designed to be paired with any Vigitrone 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 be used with the provided power supply. The screw-less wire terminals and a single distance adjustment make the Vi6300VT very 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



The smart choice for quality video



[www.vigitrone.com](http://www.vigitrone.com)

DSVi6300VT\_0212

# Technical Specification\*

## Electrical

Video Format	NTSC, PAL, SECAM
Frequency	20 Hz to 6 MHz
Coax	75 Ohm
Twisted Pair	100 Ohms +/- 20%, 24 AWG minimum up to 6500 feet (1980 m) unshielded Category 2-7
CMRR	70 dB
Power	12V-24V DC/AC, 130 mA max (12V DC power supply included)
Power Indicator	Red LED
Connectors	UTP Video Output: screw-less terminal blocks Video Input: Female BNC connector Power: Screw-less terminal blocks
Transient Immunity	per ANSI/IEEE 587 C62.41

## Environmental

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

## Mechanical

Dimensions	1.6x2.9x1 inches (41x74x25 mm)
Weight	1.5 oz (40 g)
Material	Bone ABS plastic, UL rating of 94V-0

\*Specifications subject to change without notice.

## Ordering Information

PART No.	Description
Vi6300VT	Active Transmitter

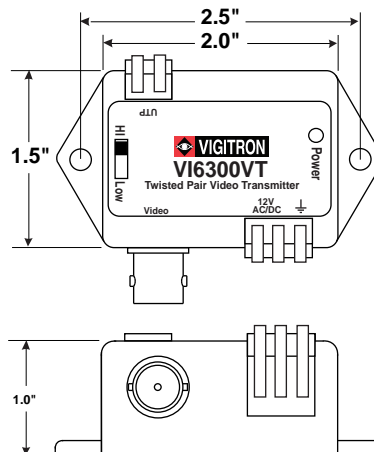
## System Configuration



Vi6300VT

6,500 ft.  
1,980 m

Active Receivers	
Channels	Model
8	Vi6308 / Vi6308J
16	Vi6316 / Vi6316J
32	Vi6332 / Vi6332J



## 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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