

Vi6100VT

Active UTP Video Transmitter

Features

- Quality video over 6,000 feet (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
- Full ground-loop immunity & built-in surge protection
- A single distance adjustment for video
- Screw-less connectors
- Compact size and easy installation
- Limited lifetime warranty



Applications

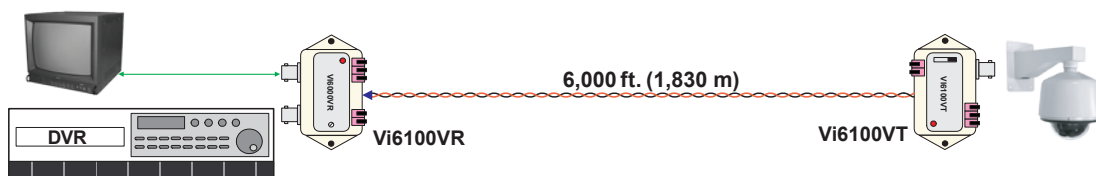
- Security and surveillance
- Department store security
- Casino security
- Hospitals and airports
- School campuses

The Vigitron Vi6100VT is an advanced active device that transmits high resolution color or black and white video over unshielded twisted pair wires. The Vi6100VT uses Category 2-7 UTP wire at distances up to 6,000 feet (1,830 m) and is designed to be paired with any Vigitron Vi6100 series active receivers.

The Vi6100VT 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. Along with the screw-less wire terminals makes the Vi6100VT very easy to install. The Vi6100VT has a single distance adjustment. 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 Vi6100VT 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.vigitron.com

DSVi6100VT_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 6000 feet (1830 m) unshielded Category 2-7
CMRR	70 dB
Power	12V-24V DC/AC, 60 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
Vi6100VT	Active Transmitter

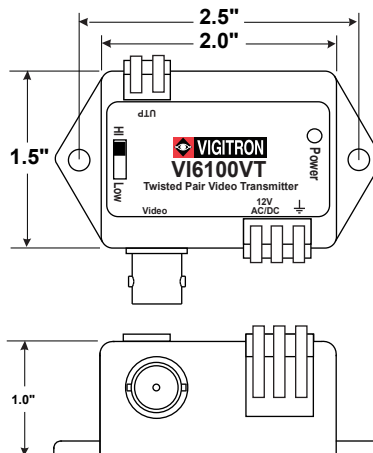
System Configuration



Vi6100VT

6000 ft.

Active Receivers	
Channels	Model
1	Vi6100VR
4	Vi6104
8	Vi6108 / Vi6108J
16	Vi6116 / Vi6116J
32	Vi6132 / Vi6132J



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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