

Vi6000DR

Active UTP Video and Data Receiver

Features

- Quality video and Data over 6000 feet (1800 m) of unshielded twisted pair wires (UTP)
- NTSC, PAL , and SECAM video formats
- Supports RS-422 , RS-485(2-wire or 4- wire)
- 70 dB cross talk and noise immunity
- Full ground-loop immunity
- Built-in surge protection
- A single distance adjustment for video
- Compact size and easy installation
- Limited Lifetime warranty



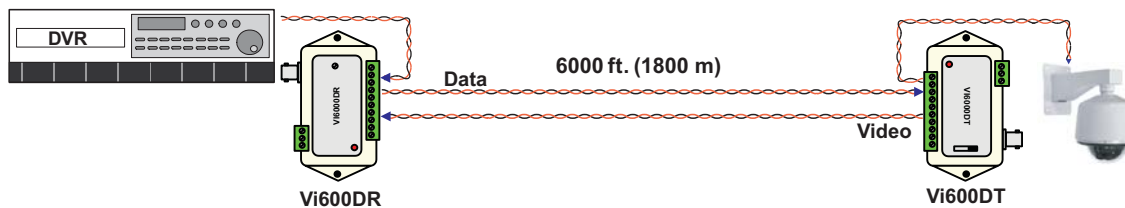
Applications

- Digital Cameras with Control
- Dome Cameras with PTZ Control
- Casino Security
- Hospitals and Airports
- School Campuses

The Vigitron Vi6000DR is an active transmission device that receives color or B&W video and data over point-to-point unshielded twisted pair wires at distances up to 6000 feet (1800 m) when used with Vi6000DT active transmitter. Distances up to 3000 feet (1000 m) can be supported when a Vigitron passive transceiver such as Vi1000 is used as the transmitter. The Vi6000DR uses Category 2-5 twisted pair wires, is easy to install and cost effective.

This receiver has built-in surge suppression to protect your video equipment against damaging voltage spikes. Its crosstalk and noise immunity ensure quality video signals with no disturbing "hum-bars". The Vi6000DR patent pending design offers quality video in a compact size at a highly affordable price. It is ideal for a wide variety of applications such as security, surveillance, video conferencing, and elevator surveillance.

Application Diagram



The smart choice for quality video



www.vigitron.com

DSVi6000DR_0805

Technical Specification**

Electrical

Video Format	NTSC, PAL, SECAM
Data	RS-422, RS-485, (2-wire or 4-wire)
Frequency	20 Hz to 6 MHz
Coax	75 Ohm
Twisted Pair	100 Ohms +/- 20%, 24 AWG min up to 6000 feet (2000 m)* Unshielded Category 2-5
CMRR	70 dB
Power	12V-24V DC/AC, 140 mA max (12V DC Power Supply Included)
Power Indicator	Red LED
Connectors	UTP Video Inputs: Terminal Blocks Video output: Female BNC Connector Power: Terminal Blocks
Transient Immunity	6000V, 1.2 uS x 50 uS

Environmental

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

Mechanical

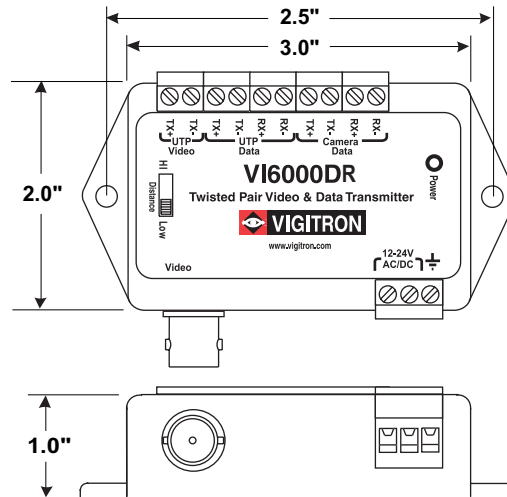
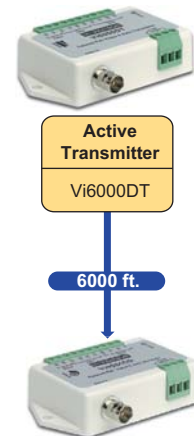
Dimensions	1.6x2.9x1 Inches (41x74x25 mm)
Weight	1.5 oz (40 g)
Material	Bone ABS Plastic, UL rating of 94V-0

**Specifications subject to change without notice.

Ordering Information

PART No.	Description
Vi6000DR	Active Video & Data Receiver
Vi6000DT	Active Video & Data Transmitter

System Configuration



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. For more specific information regarding wire types and proper installation techniques, please contact Vigitron for technical assistance.



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