

Vi15000

UTP HD Video Transmitter & Data/Power Splitter

Features

- Combines video, power and data over a single Cat5/6 4-pair cable
- Compatible with HD-TVI, HD-CVI and AHD video formats
- Eliminates the need for local power supply by providing 12VDC to the camera
- Built-in surge protection for video
- 70 dB cross talk and noise immunity
- A single switch selects the distance range for best performance
- Compact size and easy installation
- Designed for structured wiring applications
- Limited lifetime warranty



Applications

- Upgrading standard analog CCTV installations into HD systems without needing to rewire
- Lowering the cost of CCTV wiring by using UTP cables instead of Coax
- CCTV system for casinos, airports, school campuses, and many more

The Vigatron Vi15000 is an advanced active device that transmits HD video, data and power over unshielded twisted pair wires. It is compatible with HD-TVI, HD-CVI and AHD video formats. The Vi15000 uses Cat 5/6 UTP cables and can provide quality HD video up to 2000 feet (610 m) depending on the video format when it is paired with Vigatron Vi150xx series active receivers.

The Vi15000 receives 48VDC power from Vi150XX receiver series and provides regulated 12VDC power to the HD camera. This feature eliminates the need to local power supply at the camera location. The Vi15000 is compact in size and very easy to install. It provides a single slide switch for selecting the distance range for best performance. Vigatron's Vi1500xx series is tested and certified to assure operational specification performance.

The Vi15000 innovative design offers exceptional quality video and system flexibility that makes it ideal for a wide variety of CCTV applications and makes a cost-effective alternative to expensive Coax or fiber optic solutions.

Technical Specification*

Electrical

Video Format	HD-TVI, HD-CVI and AHD
Data	Pass Through
UTP	100 Ohm +/- 20% HD-TVI: 1,200 feet (365m) HD-CVI: 1,300 feet (396m) AHD: 2,000 feet (610m)
Coax	75 Ohm RG59
Power Source	48VDC provided by the receiving-end
Status LEDs	Power: Power On
Connectors	UTP Interface: RJ-45 Connector Power Output: Pluggable Terminal Block (for camera)

Regulatory

Safety	CE
Environmental	RoHS, WEEE

Environmental

Humidity	0 to 95%, non-condensing
Temperature	Operating: 0°C to +70°C Storage: -40°C to +85°C

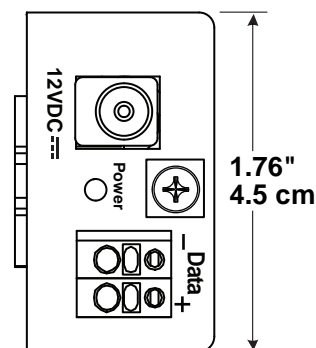
Mechanical

Dimensions	0.97 x 1.76 x 2.15 in., 2.5 x 4.5 x 5.5 cm (HxWxL)
Weight	0.18 lb (82 g)
Housing	Aluminum

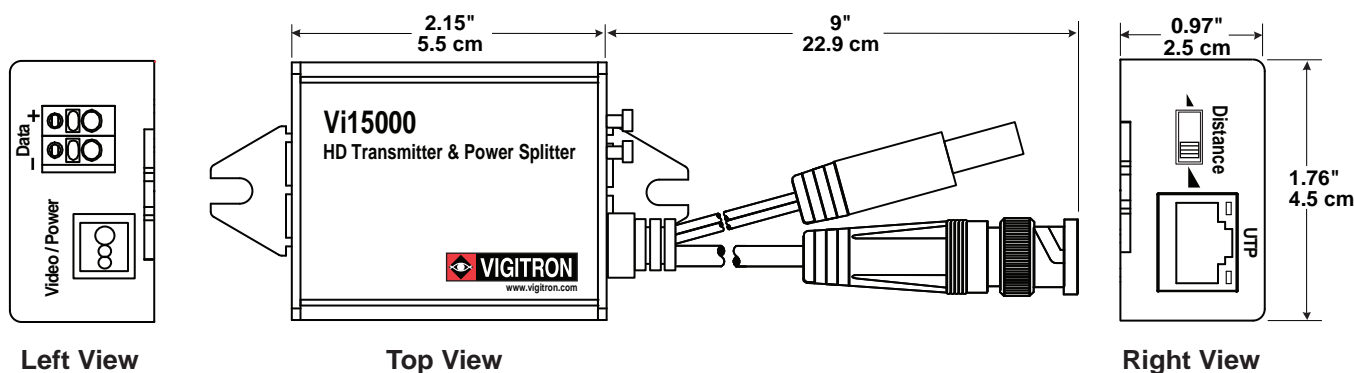
*Specifications subject to change without notice.

Ordering Information

Part No.	Description
Vi15000	Active HD Video/data/power transmitter
Vi15001	1-port Active HD Video/data/power Receiver
Vi15008	8-port Active HD Video/data/power Receiver
Vi15016	16-port Active HD Video/data/power Receiver



Right View



Left View

Top View

Right View



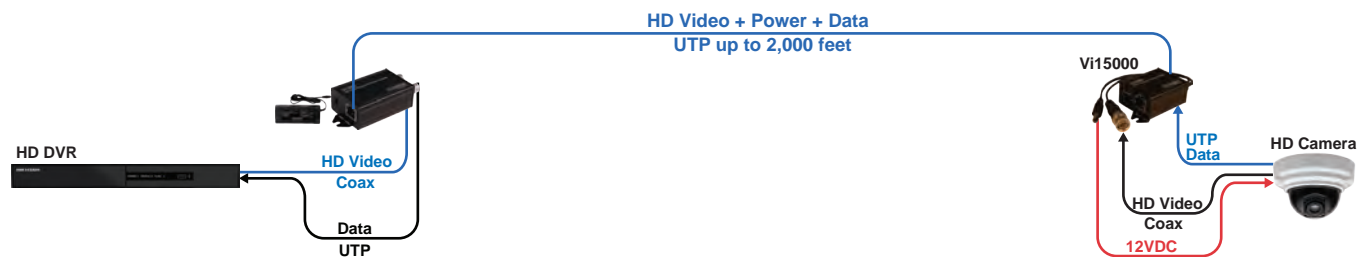
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Application Diagrams



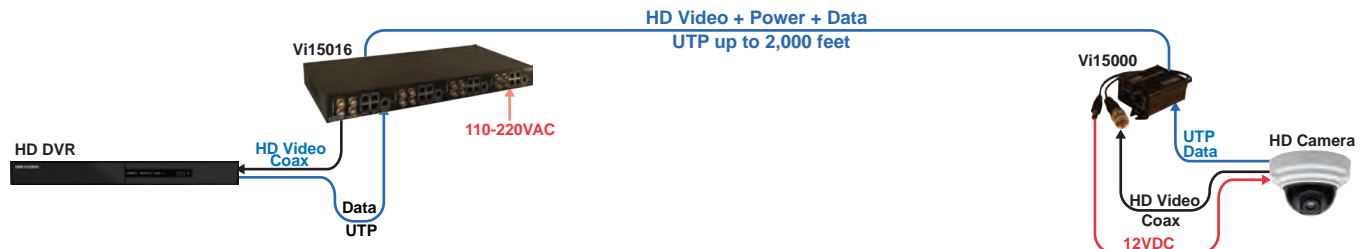
The Vi15000 series can provide HD video and power transmission over UTP at distances up to 2,000 feet eliminating the need for camera local power supply.



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