

# Vi15001

## UTP HD Video Receiver & Data/Power Combiner

### 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 camera local power supply by providing 48VDC to the Vi15000 Transmitter.
- Built-in surge protection for video
- 70 dB cross talk and noise immunity
- No adjustment required
- 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 Vi15001 is an advanced active device that receives HD video and transmits data and power over unshielded twisted pair wires. It is compatible with HD-TVI, HD-CVI and AHD video formats. The Vi15001 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 Vi15000 active transmitter.

The Vi15001 sends 48VDC power to the Vi15000 transmitter provides regulated 12VDC power to the HD camera. This feature eliminates the need to local power supply at the camera location. The Vi15001 is compact in size and very easy to install. It does not require any adjustments. Vigatron's Vi1500xx series is tested and certified to assure operational specification performance.

The Vi15001 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	24-60VDC, 10W Min
Status LEDs	Power: Power On
Connectors	UTP Interface: RJ-45 Connector Video: 75 Ohm BNC Power Input: Circular power connector

## 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

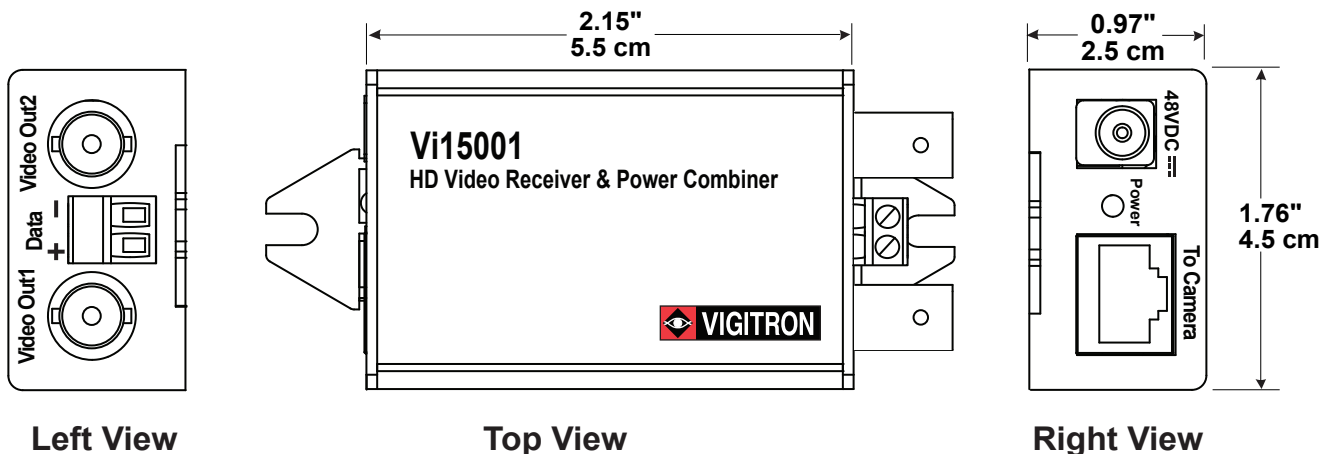
## Optional Accessories

Vi0017: 48VDC, 40W Power Supply

\*Specifications subject to change without notice.

## Ordering Information

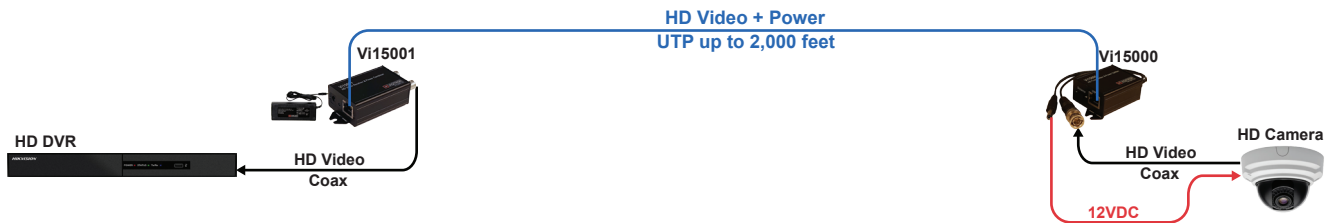
Part No.	Description
Vi15000	Active HD Video/data/power transmitter
Vi15001	1-port Active HD Video/data/power Receiver
Vi15008	8-port Active HD Video/data/power Receiver
Vi15016	16-port Active HD Video/data/power Receiver
Vi0017	40W 48VDC Power Supply



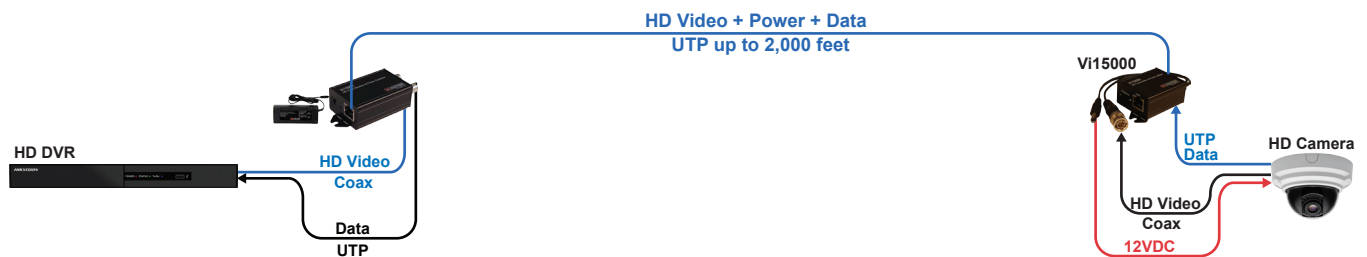
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# Application Diagrams



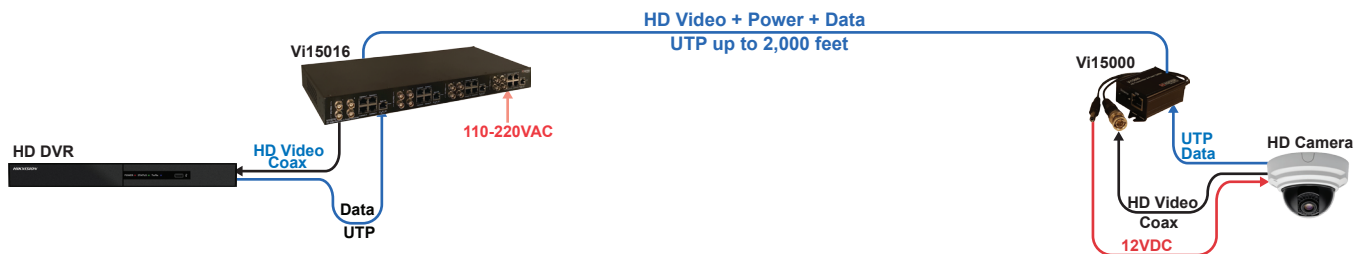
The Vi15000 series can provide HD video and power transmission over UTP at distances up to 2,000 feet eliminating the need for camera local power supply.



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