

Vi3002

Ethernet and 60W PoE Repeater

Features

- Extends UTP video and 60W PoE up to 656ft (200m)
- PoE powered with no need for local power
- No network configuration required
- Built-in network switch technology for reliable transmission
- Full network bandwidth 10/100Mbps for transmitting the highest megapixel cameras
- PoE power up to 60W for high power PTZ without the need for local power
- Compliant with virtually any standard or non standard PoE
- Extremely compact size enables easy installation
- Multiple Vi3002s can be used to extend IP video and PoE at distances up to 2,950ft.
- Complies with NEC standards for use in 3, 3 ½, and 4 inch conduit



Applications

- Extending Ethernet and 60W PoE beyond 100m limit
- Retrofit UTP analog CCTV installations into Digital systems
- Providing high power PoE to PTZ cameras at long distances
- CCTV System for Casinos, Airports, School Campuses

The Vi3002 is an Ethernet and 60W PoE repeater that provides a cost effective method for increasing distances beyond the Ethernet limit of 328 feet (100m) for IT or CCTV applications. Each unit can extend Ethernet and PoE for 328 feet (100m). Multiple units can be cascaded to reach the desired distances. The Vi3002 is a high performance device that meets the demand for the highest PoE powered PTZ domes and LED lighting eliminating the need for local power. It is IEEE 802.3bt compliant up to 60W PoE.

The Vi3002 is extremely compact in size and can be easily installed in the smallest environments such as wire conduits and weather-proof enclosures. Removable mounting brackets make installation an easy process. The Vi3002 is the perfect solution for any IP transmission application. Up to 8 units can be combined to achieve a distance of 2,950 feet (900m) for IP video, PoE, and data transmission.

The Vi3002 is powered by PoE only and requires no external power supply. It is an ideal solution for extending data, IP video, and PoE from PoE switches, Midspans, and Power Source Equipment (PSE).

Technical Specification

Electrical

PoE Standard	802.3af (15.4W), 802.3at (30W), 802.3bt (60W)
Network Connection	2 x RJ-45 IEC 60603-7
Wiring Support	2 or 4 pair Cat 5/5e/6
Power Consumption	1W (using PoE)
PoE	IEEE 801.3af/at/bt Compliant up to 90W
LED	PoE: Green Link and Traffic: Orange
Data Rate	10/100Base-TX (10/100Mbps), Auto configuring
Data Interfaces and Compliances	RFC 768 UDP, RFC 2068 HTTP RFC 793 TCP, RFC 791 IP RFC 1783 TFTP, RFC 894 IP over Ethernet RFC 2544 TCP/IP Packet Transmission 802.3af, 802.3at, 802.3bt

Regulatory

NEC Code	For 3, 3 ½, and 4 inch Conduit at 40% Fill
Safety	CE, FCC
Environmental	RoHS, WEEE

Environmental

Humidity	0% to 95%, non-condensing
Temperature	Operating: -40°C to 75°C Storage: -40°C to 85°C

Mechanical

Dimensions	0.9x1.0x2.7 in., 2.3x2.5x6.9 cm (HxWxL) (without tabs)
Weight	0.01 lb (4.5g)
Housing Material	Extruded Aluminum

*Specifications subject to change without notice.

Ordering Information

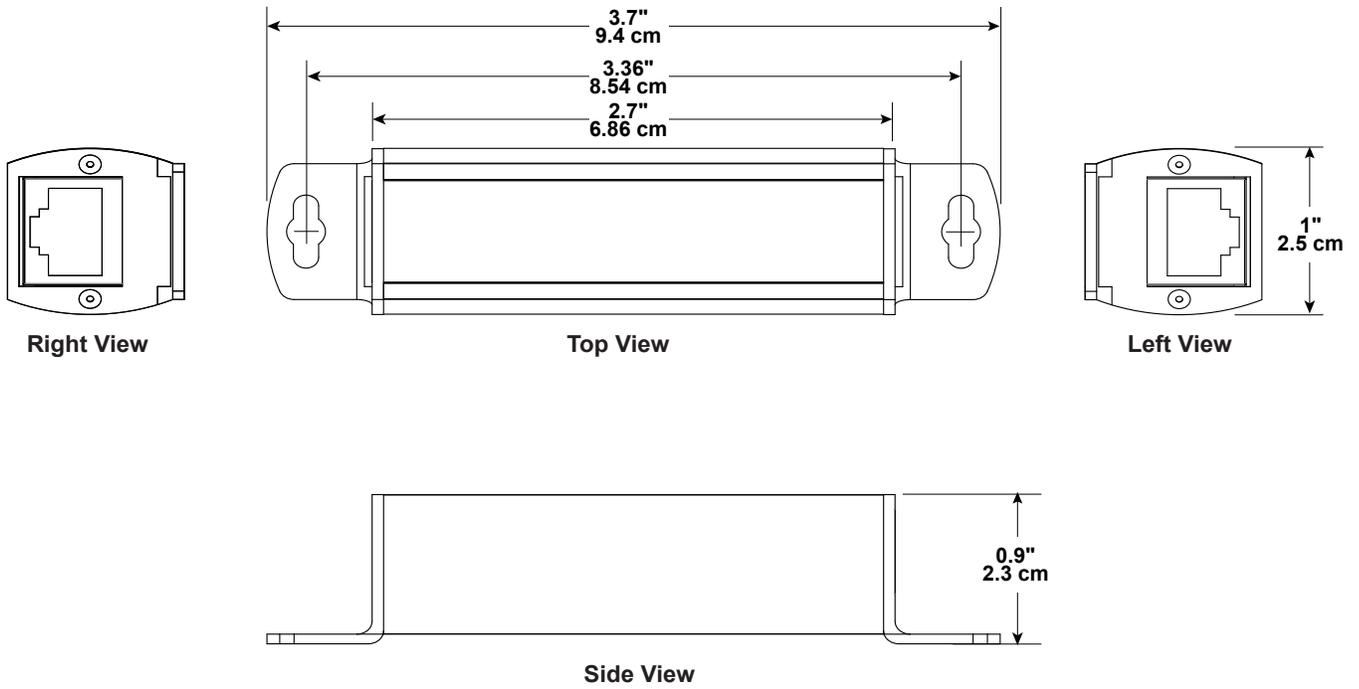
Part No.	Description
Vi3002	Ethernet and 60W PoE Repeater

Related Products

Part No.	Description
Vi3002W	IP67 Ethernet and 60W PoE Repeater
Vi30002U	Ethernet and 90W PoE Repeater



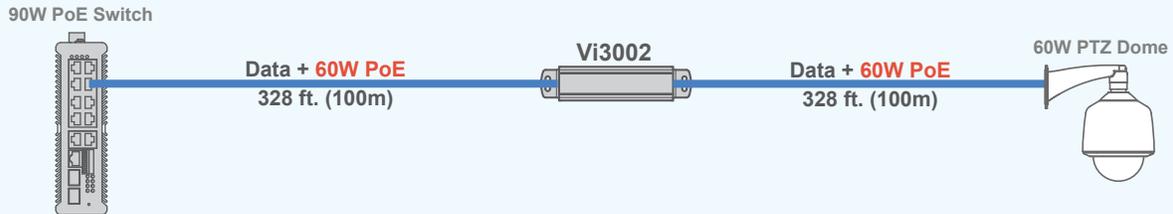
Mechanical Drawings



Application Diagrams

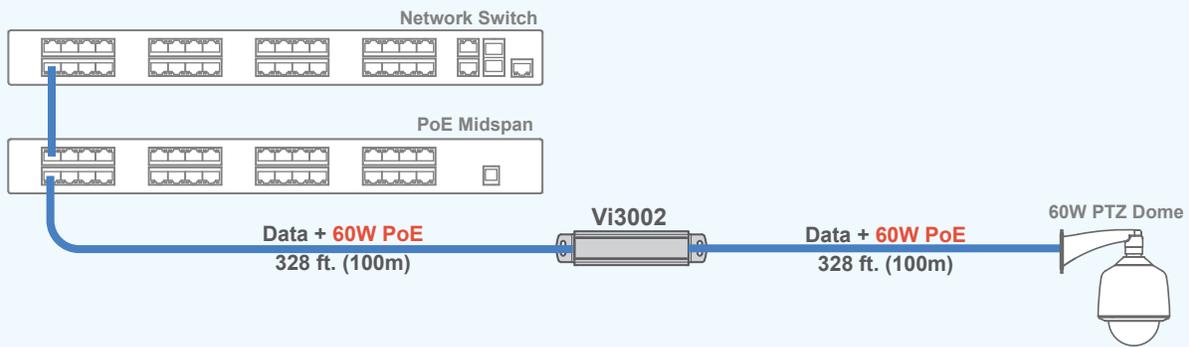
Cat 5/6

Extending Ethernet and 60W PoE from a PoE Switch



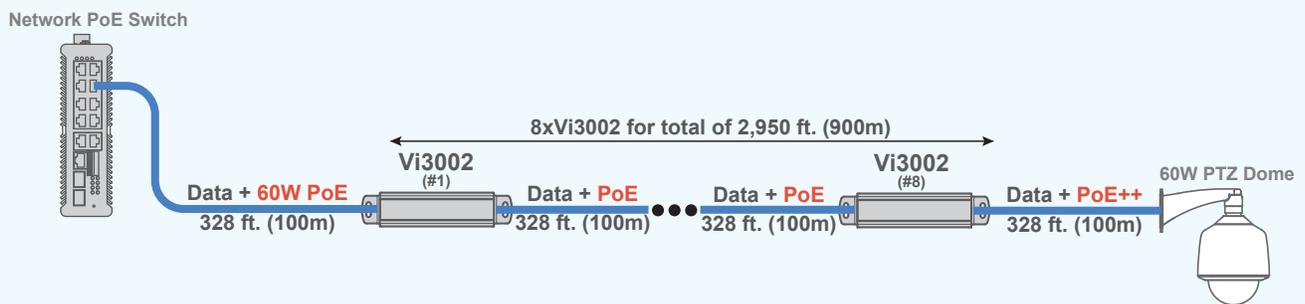
A single Vi3002 extends Ethernet and PoE from a PoE switch for total Distance of 656 ft. (200m).

Extending Ethernet and 60W PoE from a Switch & PoE Midspan



A single Vi3002 extends Ethernet and PoE from a network switch and a PoE Midspan for total Distance of 656 ft. (200m).

Extending Ethernet and 60W PoE using multiple Vi3002s

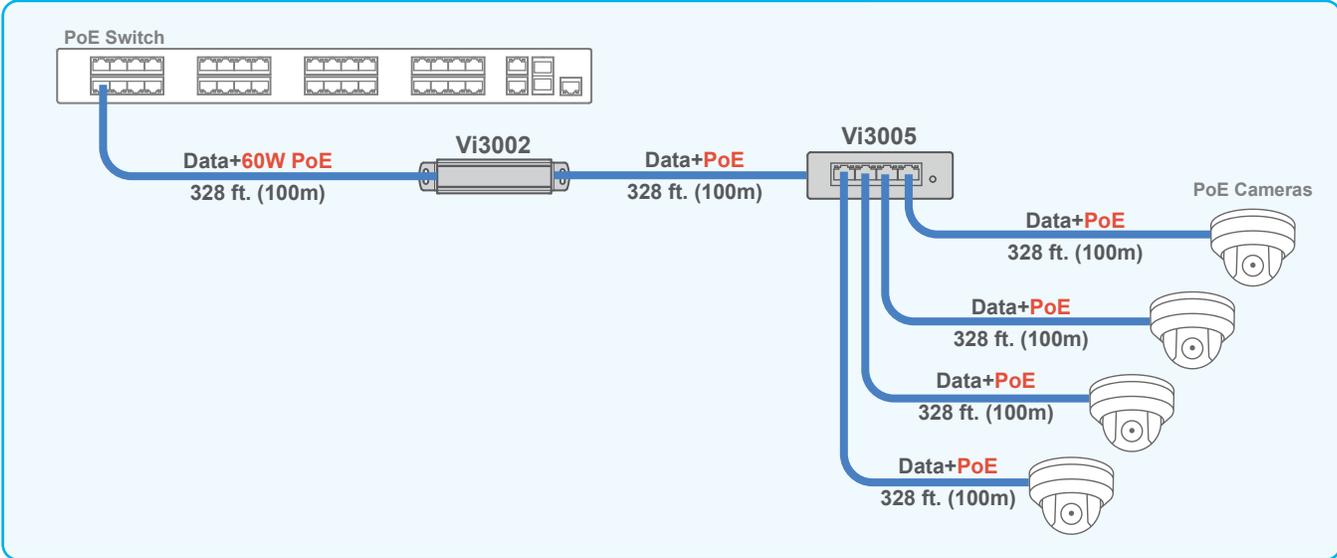


Up to 8 x Vi3002 can be used in series to extend Ethernet and PoE for up to 2950 ft. (900m).

Application Diagrams

Cat 5/6

Connecting Multiple PoE Cameras at Extended Distances



The Vi3002 can be used to connect multiple PoE cameras at extended distances.