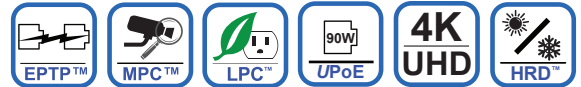


Vi30002U

Ethernet and 90W PoE Repeater

Features

- Extends UTP video and 90W 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 90W for high power PTZ without the need for local power
- Compliant to IEEE 802.3af, at, bt PoE standards
- Extremely compact size enables easy installation
- Multiple Vi30002Us 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 90W PoE beyond 100m limit
- Retrofitting 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 Vi30002U is an Ethernet and 90W PoE repeater that provides a cost effective method for increasing distances beyond the Ethernet limit of 328 feet (100m) for IT or CCTV applications. It is IEEE 802.3bt compliant up to 90W PoE. By using 2 units it can provide 60W at 900ft (275m). The Vi30002U 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.

The Vi30002U 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. Multiple units up to 8 units can be combined to achieve a distance of 2,950 feet (900m) for IP video, PoE, and data transmission.

The Vi30002U 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 and Midspans to PoE powered devices.



Technical Specification*

Electrical

Data Rate	10/100Base-TX (10/100Mbps), Auto configuring
Power Transmission Standard	IEEE 802.3af (15.4W) IEEE 802.3at (30W) IEEE 802.3bt (90W)
Network Connection	2 x RJ-45 IEC 60603-7
Wiring Support	4 pair Cat 5/5e/6
Power Consumption	1W (using PoE)
LED	PoE: Green Link and Traffic: Orange
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 IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt

Ordering Information

Part No.	Description
Vi30002U	MaxiiNet Ethernet and 90W PoE Repeater

Regulatory

NEC Code	For 3", 3½", and 4" Conduit at 40% Fill
Safety	CE, FCC
Environmental	RoHS, WEEE

Environmental

Humidity	0% to 95%, non-condensing
Temperature	Operating: -20°C to 75°C Storage: -40°C to 85°C

Mechanical

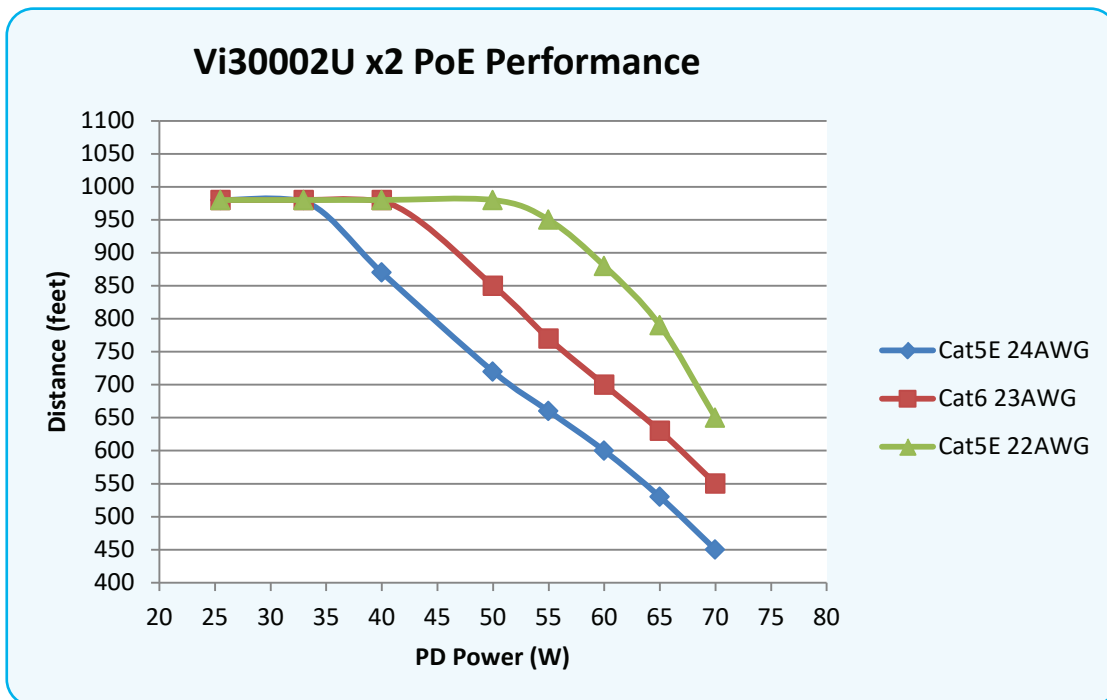
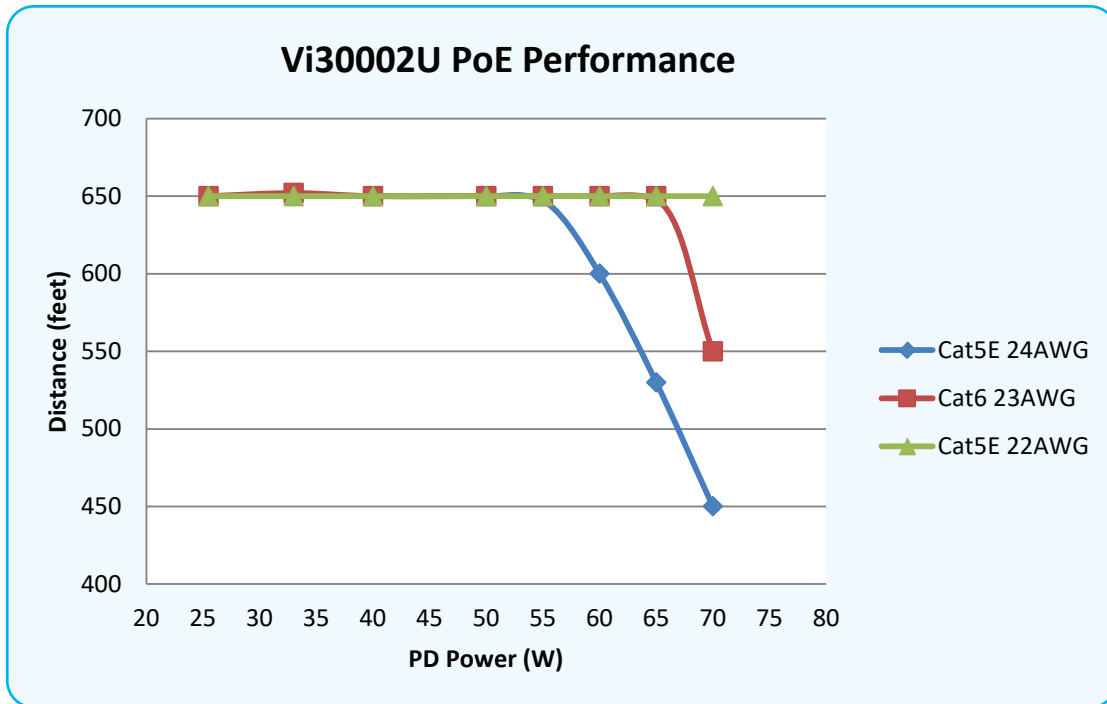
Dimensions	0.9x1.0x3.4 in., 2.3x2.5x6.9 cm (HxWxL) (without tabs)
Weight	0.01 lb (4.5g)
Housing Material	Aluminum

* Specifications subject to change without notice.

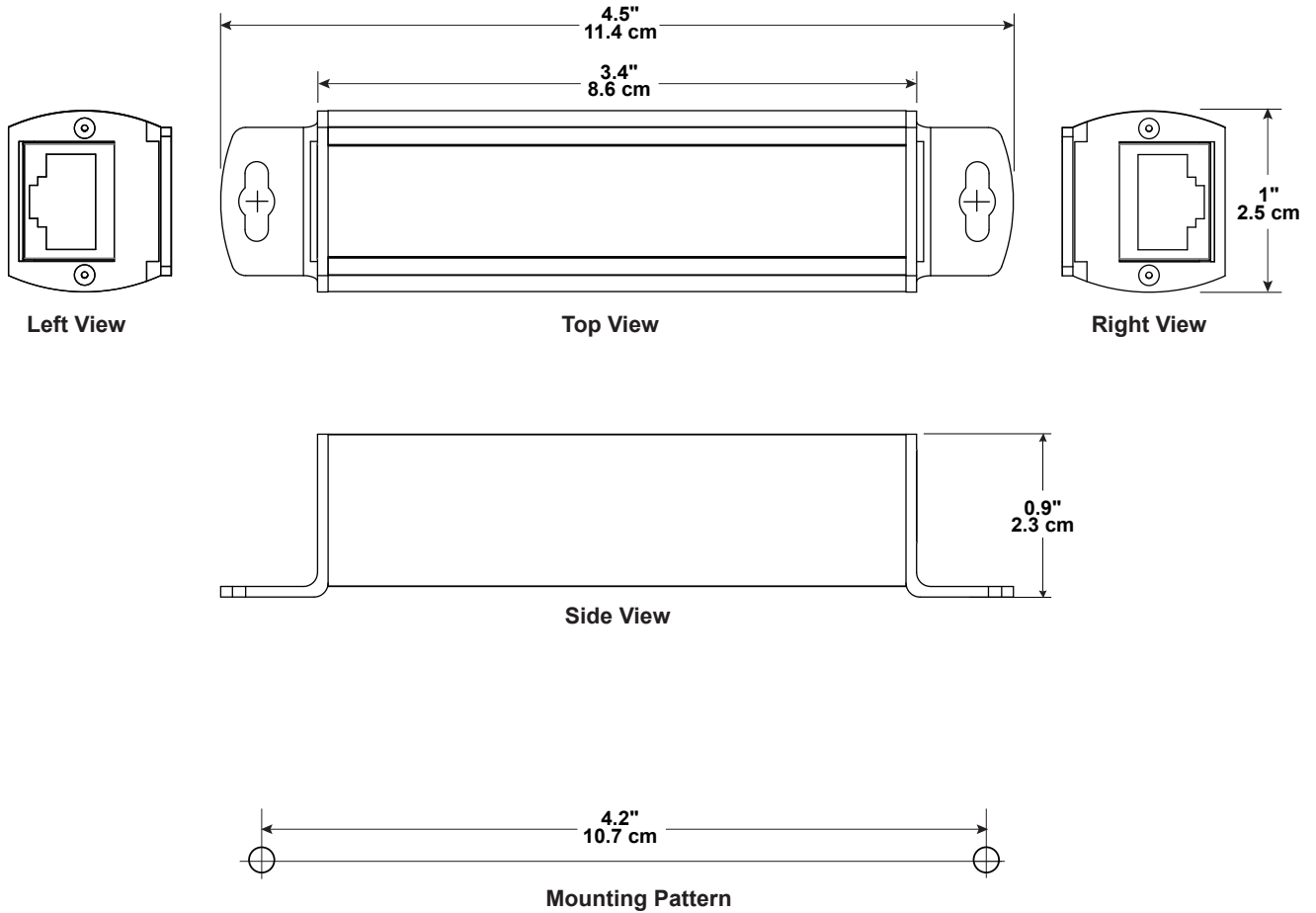


Technical Specification

PoE Performance of Vi30002U over Different UTP Cables



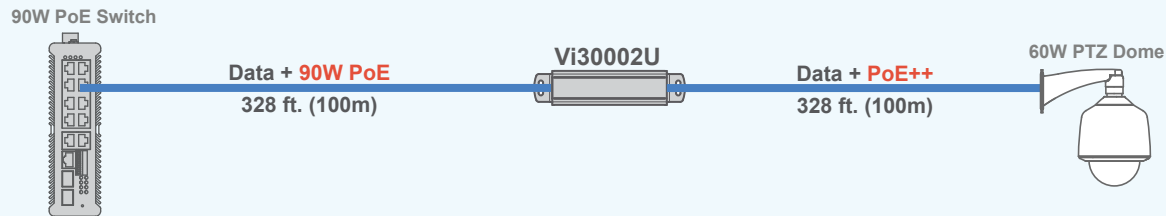
Mechanical Drawings



Application Diagrams

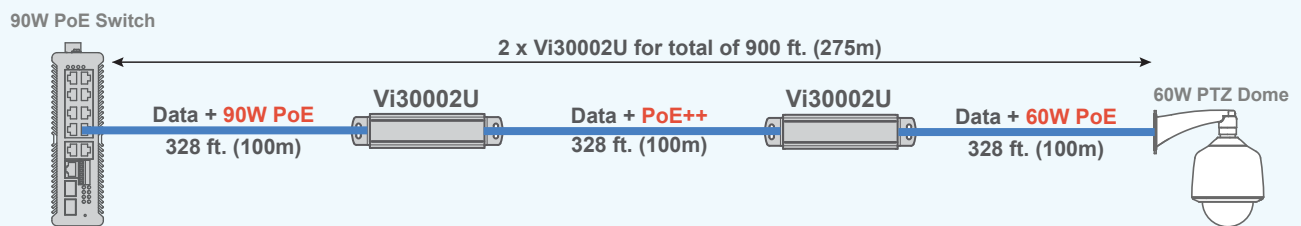
Cat 5/6

Extending Ethernet and 90W PoE from a PoE Switch



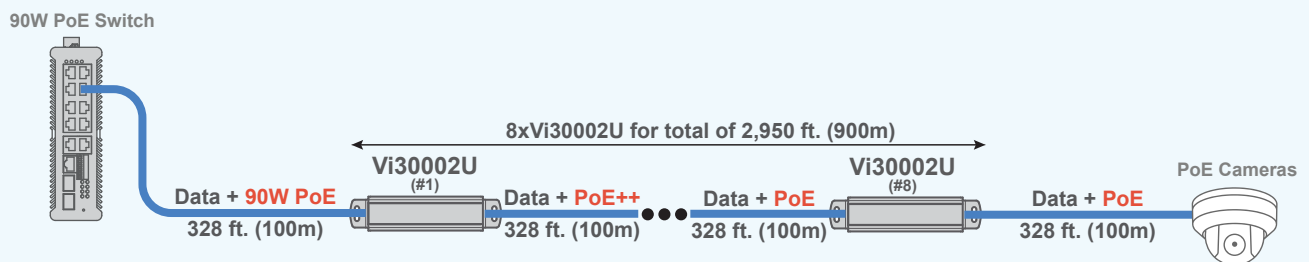
A single Vi30002U extends Ethernet and PoE from a PoE switch for total Distance of 656 ft. (200m).

Powering 60W PoE Cameras at 900 ft. (275m)



2 x Vi30002U can be used to extend Ethernet and PoE to provide 60W at 900ft (275m).

Extending Ethernet and 90W PoE using multiple Vi30002Us

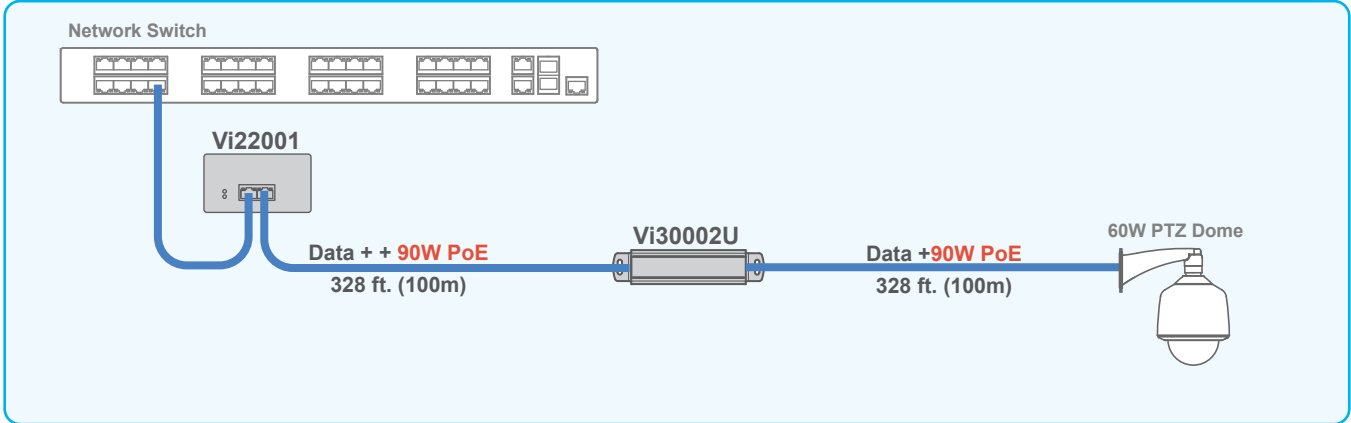


Up to 8 x Vi30002U can be used in series to extend Ethernet and PoE for up to 2950 ft. (900m).

Application Diagrams

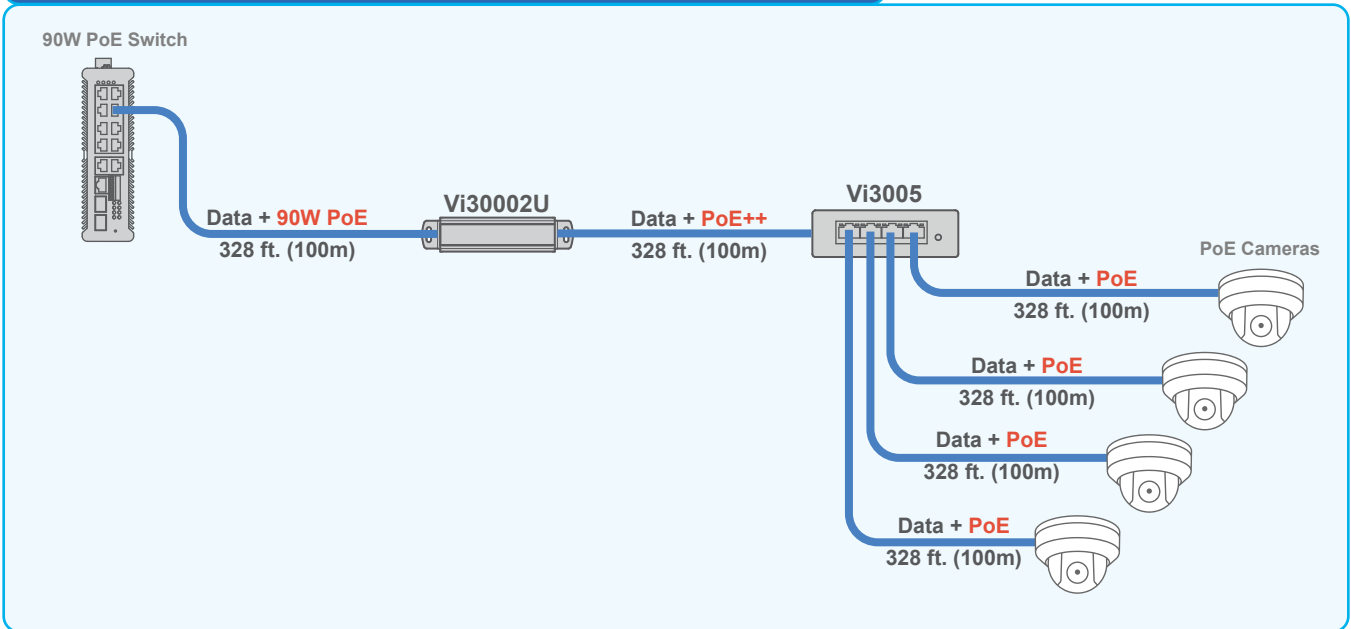
Cat 5/6

Extending Ethernet and 90W PoE from a Network Switch & PoE Midspan



A single Vi30002U extends Ethernet and PoE from a network switch and a PoE Midspan for total Distance of 656 ft. (200m).

Connecting Multiple PoE Cameras at Extended Distances



The Vi30002U can be used to connect multiple PoE cameras at extended distances.