

Vi3002

MaxiiNet Ethernet and 60W PoE++ Repeater

Features

- Extends UTP video and PoE range 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
- Extremely compact size enables easy installation
- Multiple Vi3002s can be used to extend IP video and PoE at distances up to 3000ft.
- Complies with NEC standards for use in 3, 3 1/2, and 4 inch conduit

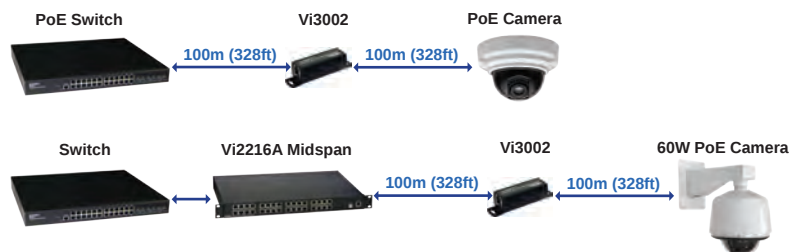


The Vi3002 is an Ethernet and 60W PoE repeater that provides a cost effective method for increasing distances beyond the Ethernet limit of 328 feet (100m) for IT or CCTV installations. Each unit can extend Ethernet and PoE for 328 feet (100m). Multiple units can be cascaded to reach the desired distances.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

It 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 3,000 feet (909m) for IP video, PoE, and data transmission.

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

Application Diagrams



Single Vi3002 extends Ethernet and PoE, Total Distance - 656ft (200m)



Multiple Vi3002 can be used to extend Ethernet and PoE.
The maximum reach of PoE will be:

PoE	Distance	# of Vi3002
60W	428 ft. (130m)	1
50W	800 ft. (242m)	2
25.5W	1,200 ft. (364m)	3
12.95W	2,500 ft. (758m)	7
6.5W	3,000 ft. (909m)	8



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Technical Specification

Electrical

Power Transmission Standard	802.3af (15.4W), 802.3at (30W), 74W
Network Connection	(2) RJ-45 IEC 60603-7
Wiring Support	1 or 4 pair Cat 5/5e/6
Power Consumption	1W (using supplied PoE)
Extended Distance Supported	328ft (100m) per link
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

Ordering Information

Part No.	Description
Vi3002	MaxiiNet Ethernet and 60W PoE Repeater

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	Aluminum

