MaxiiPower™

Vi2601

Single port Coax PoE Midspan

Features

- High power Midspan with built-in Ethernet extender for long distance Coax Cables
- MegaPixel Certified (MPC™), ideal for high bandwidth requirements of MegaPixel cameras
- Built-in power supply provides PoE power up to 30W
- In-rush current sensing prevents shut down during camera events such as start-up, day/night, auto back focus heater and blower turn on, and PTZ operation
- LED Indicator provides PoE power status
- Type tested to RFC-2544 TCP/IP network bandwidth packet transmission standards.
- Saves time and installation costs by using existing coax cable
- Tested and approved for high bandwidth transmission including 4KUHD cameras
- Complies to major IEEE standards and RFC network protocols for UDP, TCP/IP, HTTP/HTTPS

4K UHD | JFC | SBW™ | VZPL™ | MPC™

Applications

- Powering IP cameras at extended distances
- Retrofit analog CCTV installations into digital systems
- Powering IP devices such as Access Control, wireless access points, emergency response systems and VoIP phones using existing coax

MaxiiPower™ Vi2601 extended Coax Midspan is designed to meet the most demanding IP camera data and PoE requirements at extended distances. It can provide full IEE 802.3af and 8IEE 02.3at up to 30W at extended distances over Coax using Vigitron's unique Symmetric Bandwidth (SBW™) technology. The tramnsmission data rate is automatically set to 10 or 100Mbps depending on the distance.

It is fully transparent to any standard Ethernet network and higher layer protocols and require no IP setting or configurations. The combined Ethernet extender technology and PoE Midspan simplifies the installation and lowers the cost of the system by eliminating the need for standard PoE midspans with far limited PoE power and protection capability.

The Vi2601 provides an LED to indicate power and transmission status. It operates in auto mode with no programing required.

It is ideal for a wide range of CCTV and IT applications that require high power such as IP cameras, wireless access points or VoIP installed at extended distances.

Technical Specification*

Electrical

Ethernet Interface	Standard 10/100BaseT
Coax	RG59 (or higher quality)
Ethernet Rate	10/100Mbps, Auto-select Full speed / Full duplex at max. rated distance
Power Output	56VDC, 30W
AC Input Power	100-240VAC, 50-60Hz, 0.5A max.
PoE Standard	IEEE 802.3af PoE, IEEE 802.3at PoE
Status LEDs	PoE: Green
Data Interfaces & 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
Connectors	Ethernet Input Interface: Shielded RJ45 Extended Output Interface: Female BNC Main Power: IEC 320-C14 Inlet

Regulatory

Safety	CE
FCC	Part 15, Subpart B, Class B 2010
Emission Standards:	EN 55022:206+A1:2007 EN61000-3-2:2006+A1:2009+A2:2009 EN 61000-3-3:2008 EN55024:1998+A1:2001+A2:2003
Environmental	RoHS, WEEE

Environmental

Humidity	0 to 90%, Non-condensing
Temperature	Operating: -10°C to +50°C Storage: -40°C to +80°C

Mechanical

Dimensions	1.78x2.54x4.95 in., 4.52x6.45x12.57 cm (HxWxL)
Weight	0.71 lb, 321 g
Material	Extruded Aluminum

Included Accessories

Molded IEC 7 ft. (200 cm) power cord

*Specifications subject to change without notice.

Ordering Information

Part No.	Description
Vi2601	Single Port Extended Coax PoE Midspan

Related Products

Part No.	Description
Vi2400A	Single port Mini Coax Ethernet Extender
Vi2401A	Single port Coax Ethernet Extender
Vi2401AU	Single port Coax Ethernet Extender
Vi2400WP	Single port IP67 Coax Ethernet Extender
Vi2404A	4-port Coax Ethernet Extender
Vi2408A	8-port Coax Ethernet Extender
Vi2416A	16-port Coax Ethernet Extender
Vi2601	1-port Extended Coax Midspan
Vi2608	8-port Managed Extended Coax Midspan

Data and PoE Distance**

Data Rate	Data+ 802.3at PoE Class 2 (6.5W)	Data + 802.3af PoE Class 3 (12.95W)	Data + 802.3at PoE Class 4 (25.5W)
10BaseT	3,000 ft./914 m	1,500 ft./457 m	500 ft./152 m
100BaseT	3,000 ft./914 m	1,500 ft./457 m	500 ft./152 m

*Specifications subject to change without notice.
**Distance figures are based on RG59 coax cables using in house testing mirroring typical installations. Factors such as cabling, connections, use of power and environmental conditions may affect actual distances and should be taken into consideration.

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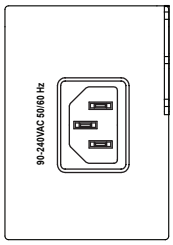
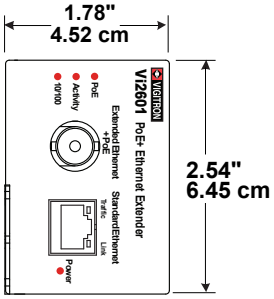
Mechanical Drawings



Right View

Top View



Left View

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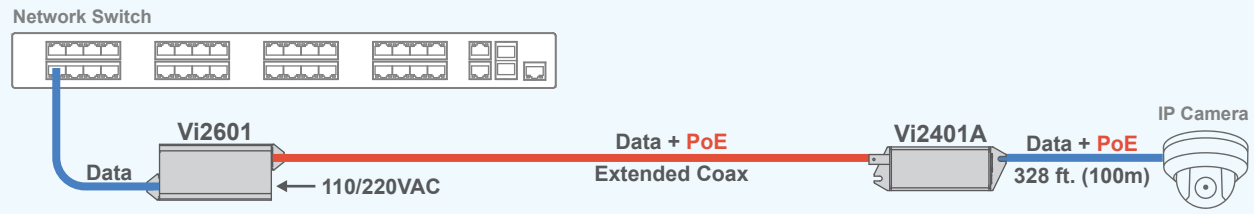
Application Drawings

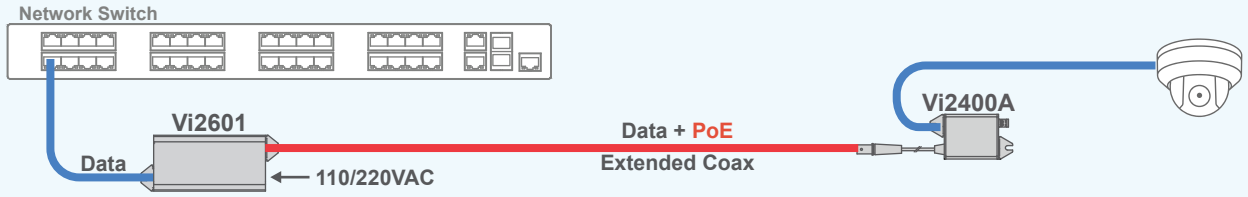
Coax
Cat 5/6

Connecting Multiple PoE Cameras over Extended Coax



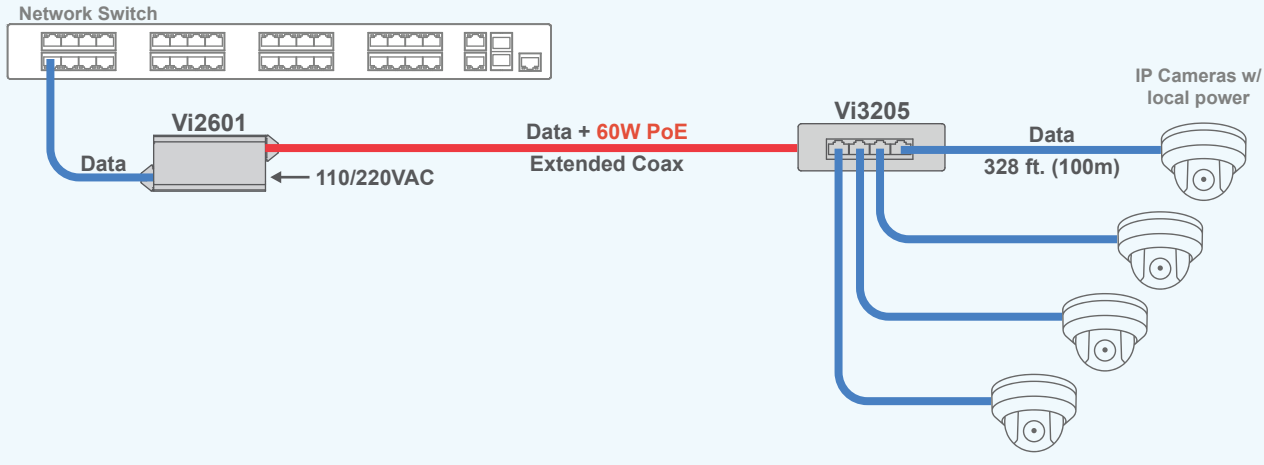
The Vi2601 and Vi2401A provide a reliable power source for the long distance and higher power requirements of PTZ domes and IP cameras with power surges due to accessory features such as day/night, LED operations, and auto focus with heater/blower functions.

Connecting Multiple PoE Cameras over Extended Coax



The Vi2601 and Vi2400A provide a reliable power source for long distance high power installations. The Vi2400A's compact size fits in many environmental enclosures such as J-box, 4 square, and back boxes of many IP cameras.

Connecting Multiple PoE Cameras over Extended Coax



The Vi2601 and Vi3205 eliminate the need for any local network switch power, while providing a single coax path for transmitting four cameras from remote locations. This combination simplifies installation and reduces costs.

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