Vi3202

24VDC/24VAC Coax Ethernet Extender w/60W PoE

Features

- Coax Ethernet extender for distances up to 5,000 feet (1,515m)
- Uses 24VDC or 24VAC input power to provide up to 60W of PoE power
- Automatically senses PD power class and single or dual PD devices
- Compact size, easily fits into most existing housings and camera mounts
- Hardened with wide range operating temperature of -40°C to +75°C
- Symmetric Bandwidth(SBW™) provides consistent upload and download with Virtual Zero Packet Loss (VZPL™) over total specified distance
- MegaPixel Certified (MPC™) High data rate, ideal for high bandwidth requirements of Mega-pixel cameras, multiple IP cameras systems and cameras requiring Jumbo Frame transmission
- Type tested to RFC-2544 TCP/IP network bandwidth packet transmission standards
- Fully transparent to Ethernet networks and higher layer protocols
- Data rate selectable to for maximum bandwidth utilization
- Complies to major IEEE standards and RFC network protocols for UDP, TCP/IP, HTTP/HTTPS
- USA designed and manufactured
- Limited Life Time Warranty

Applications

- Easy and cost effective conversion of existing PTZ analog cameras to IP systems
- Simplifiying installation of IP cameras that require separate DC or AC power for heaters and blowers
- Extending Networks in industrial environment

The Vi3202 is the perfect solution for replacing existing analog PTZ cameras with advanced IP PTZ cameras. It uses existing Coax cable for transmitting IP video up to 5,000 feet (1,515 m) and the existing 24VDC or 24VAC power supply as power input to provide up to 60W PoE to the cameras. Using the existing Coax cable and power supply provides great time and cost saving.

Its unique Symmetric Bandwidth (SBW™) assures full bandwidth transmission is maintained over the entire operational distance for both uploads and downloads with Virtual Zero Packet Loss (VZPL™). Type tested under NEMA-TS2 environmental standards for extended temperature operations between -40C° to +75C°. The Vi3202 is MegaPixel Certified (MPC™), type tested to network packet performance standards, and major manufacturer compatibility tested to assure you error free and reliable operations.

Its compact design allows to be installed in many weatherproof and security houses or many types of camera mounts to further reduce installation costs.

Installation cost savings, proven performance, and major camera brand compatibility all go into making Vigitron's MaxiiCopper™ Vi3202 your best choice for extended distance data and power transmission.

VIGITRON

The Smart Choice for Transmission Solutions   www.vigitron.com

Technical Specification*

Electrical

Ethernet Interface	Standard 10/100BaseT
Data Rate	Auto select 10/100 Mb/s Full speed / full duplex at maximum rated distance
Coax	75 Ohm, 5,000 feet (1,515 m) at 10BaseT 1,800 feet (546 m) at 100BaseT
PoE Output Power	60W @ 56 VDC**
Input Power	24VDC, 24 VAC, 1-6Amps
Status LEDs	Power On PoE Standard Ethernet: Traffic, Link Extended Ethernet: Traffic, 10/100BaseT
Connectors	Ethernet Interface: Shielded RJ-45 Connector Extended Interface: Female BNC Power: Pluggable 2-pin connector
RFC	2544 TCP/IP Packet Transmission
PoE Compatibility	IEEE 802.3af , IEEE 802.3at, 60W PoE
RFC	768 UDP, 2068 HTTP, 793 TCP 791 IP, 1783 TFTP, 894 IP over Ethernet
Jumbo Frame Support	Yes

Regulatory

Safety	CE
Environmental	RoHS, WEEE

Environmental

Humidity	0 to 95%, non-condensing
Temperature	Operating: -40°C to +75°C per NEMA-TS2 testing Storage: -40°C to +85°C

Mechanical

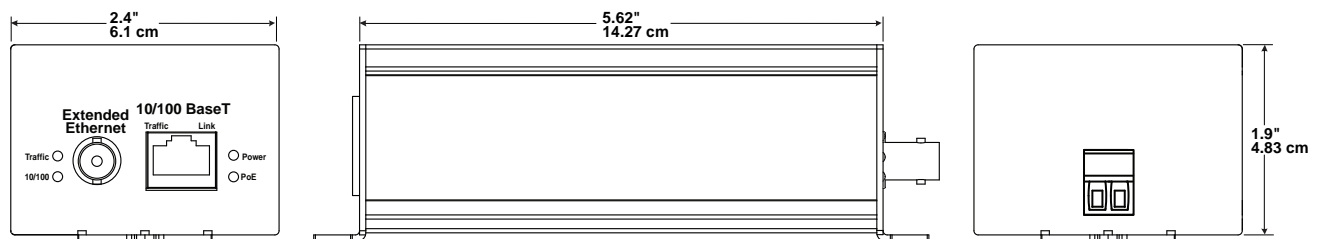|	
Dimensions	5.62 x 2.4 x 1.9 in., 14.27 x 6.1 x 4.83 cm (HxWxL)
Weight	1.03 lb, 466 g
Material	Extruded Aluminum

Specifications subject to change without notice.
**Output power dependent on supplied input power

Ordering Information

PART No.	Description
Vi3202	24VDC/24VAC 60W PoE Coax Extender
Vi2400A	Single port Coax Ethernet Extender
Vi2401A	Single port Coax Ethernet Extender
Vi2404A	4-port Coax Ethernet Extender
Vi2408A	8-port Coax Ethernet Extender, 19", 1U
Vi2416A	16-port Coax Ethernet Extender,19", 1U

*Output PoE will depend on input Voltage and Amperage

Application Diagrams

Network Switch

Vi2401A

Cat5/6 Data

up to 5,000 ft. Coax

Vi3202

24VDC or 24VAC From Existing Analog Installation

Vi0012

+ **Vi3202** =

PtZ Camera

Cat5/6 Data + 60W

PTZ Camera and its Heater/Blower powered by PoE Powered.

Network Switch

Vi2401A

Cat5/6 Data

up to 5,000 ft. Coax

Vi3202

24VDC or 24VAC From Existing Analog Installation

Vi0012

+ **Vi3202** =

PtZ Camera

24VDC/24VAC

Cat5/6 Data + 60W

PTZ Camera is powered by PoE and its Heater/Blower powered by existing 24VDC or 24VAC power supply.