# Vi3205

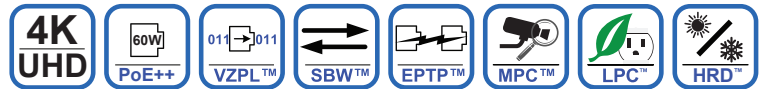## MaxiiNet™ 5-port PoE Powered Layer 2 PoE Switch w/ Extended Coax Uplink

## Features

- 4-port fixed managed layer 2 PoE switch
- 5th port extended distance Coax uplink
- Transmits up to four cameras on a single coax
- The switch itself can be powered from a remote PoE source for up to 3,000 ft. when output PoE is not required
- Provides up to 37W PoE power per port
- Intelligent power sensing automatically allocates port power based on the number of connected ports and individual camera power requirements
- Automatic PoE port priority allocation
- Over current shut down protection if allocated PoE budget is exceeded
- Type tested to RFC 2544 TCP/IP network bandwidth packet transmission standards
- Hardened tested for **-20°C to +70°C** operating temperature range
- Complies with major IEEE standards and RFC network protocols for UTP, TCP/IP, HTTP/HTTPS
- Provides full Layer 2 network switch functionality

**4K UHD** | **60W PoE++** | **011→011 VZPL™** | **SBW™** | **EPTP™** | **MPC™** | **LPC™** | **HRD™**

## Applications

- Upgrading analog CCTV installations into digital systems without needing to remove existing coax
- Expanding networks in industrial environment
- CCTV system for casinos, airports, school campuses, and many more

Vigitron's MaxiiNet™ Vi3205 fixed managed 5-port PoE switch brings new performance standards to the growing need for high speed transmission of high speed Ethernet and PoE. The Vi3205 is powered by Vi1120 120W power supply and can provide up to 37W to each of its 4 standard Ethernet ports.

The Vi3205's uplink can operate on coax at extended distances up to 3,000 feet. When using Coax uplink it can receive PoE power from the headend to power itself eliminating the need for a local power source.

With an operating temperature range of -20°C to 70°C, the Vi3205 is the perfect solution for data and power transmission for aplications such as warehouses, parking lots, campuses, casinos. The Vi3205 is MegaPixel Certified (MPC™), type tested to network packet performance standards to assure you an error free and quality operation. Fixed managed L2 functions includes 802.1p QoS, support of 2k MAC addressing, learning, aging, and a non-blocking switch fabric.

The built-in PSE provides 802.3af/at up to 37W per port while providing all safety features of standard PoE. Installation cost savings, proven performance, and major camera manufacturer compatibility all go into making Vigitron's MaxiiNet™ Vi3205 an ideal solution for IP video and PoE transmission.

**VIGITRON**

**The Smart Choice for Transmission Solutions**     www.vigitron.com

# Technical Specification*

## Electrical

| | |
|---|---|
| Ethernet Interface | Standard 10/100BaseT |
| UTP | 100 Ohm +/- 20%, 328 ft. (100m) for 10/100Mbps |
| Coax Uplink | 75 Ohm RG59 or better |
| Power Source | PoE: 802.3af (15.4W), 802.3at (30W)<br>Optional: Vi1120, 120W 57V External Power Supply |
| Status LEDs | Power: Power On<br>Standard Ethernet: Traffic, Link<br>PoE: PoE Present |
| Connectors | Ethernet Interface: 4 x RG59u Coax Connector<br>Power: Pluggable Terminal Block<br>Extended Ethernet Interface: RJ45 Connector |
| RFC | 2544 TCP/IP Packet Transmission |
| RFC | 768 UDP, 2068 HTTP, 793 TCP<br>791 IP, 1783 TFTP, 894 IP over Ethernet |
| PoE Compatibility | IEEE 802.3af, IEEE 802.3at,60W High Power PoE |

## Regulatory

| | |
|---|---|
| Safety | CE |
| Environmental | RoHS, WEEE |
| Emissions | EN5502:2006+A1:2007<br>EN 61000-3-2:2006+A1:2009+A2:2009<br>EN 55024: 1998+A1:2001+A2:2003 |

## Environmental

| | |
|---|---|
| Humidity | 0 to 95%, non-condensing |
| Temperature | Operating: -20°C to +70°C<br>Storage: -40°C to +85°C |

## Mechanical

| | |
|---|---|
| Dimensions | 1.2x3.75x4.97 in., 3.0x9.5x12.6 cm (HxWxL) |
| Weight | 0.64 lb (290 g) |
| Housing | Aluminum |

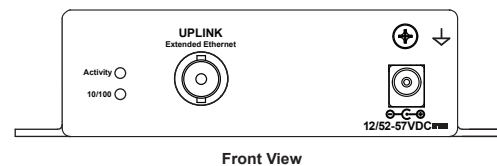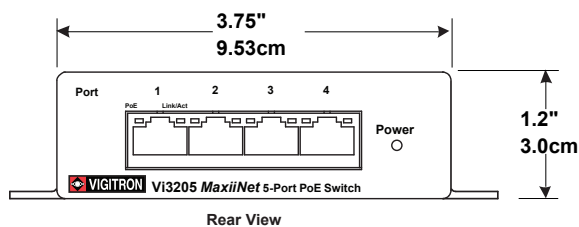## Optional Accessories

Vi1120:  57VDC, 120W Power Supply
Vi0017: 48VDC, 40W Power Supply
Vi0012: 12VDC, 12W Power Supply for non-PoE Applications
Vi0015: Combiner Cable for 60W  High Power PoE (up to 74W)
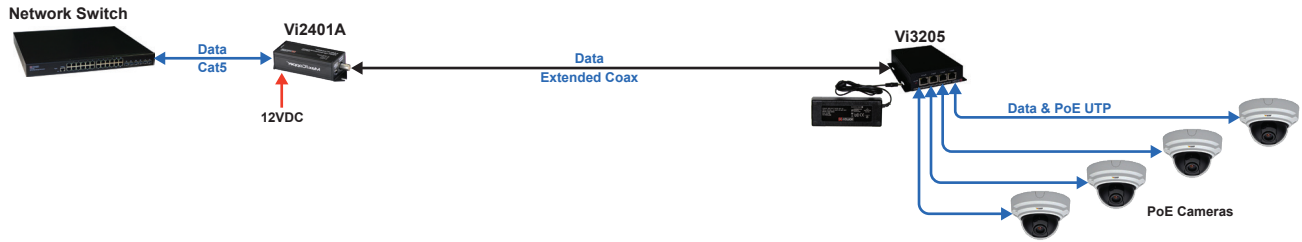
*Specifications subject to change without notice.

## Ordering Information

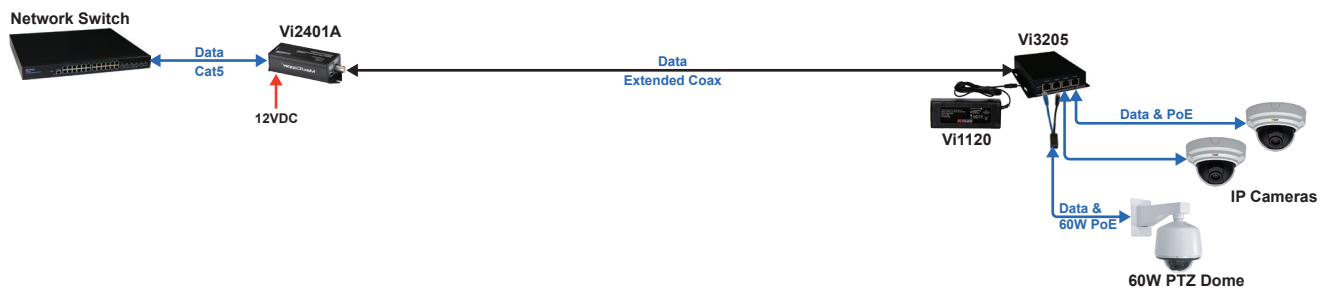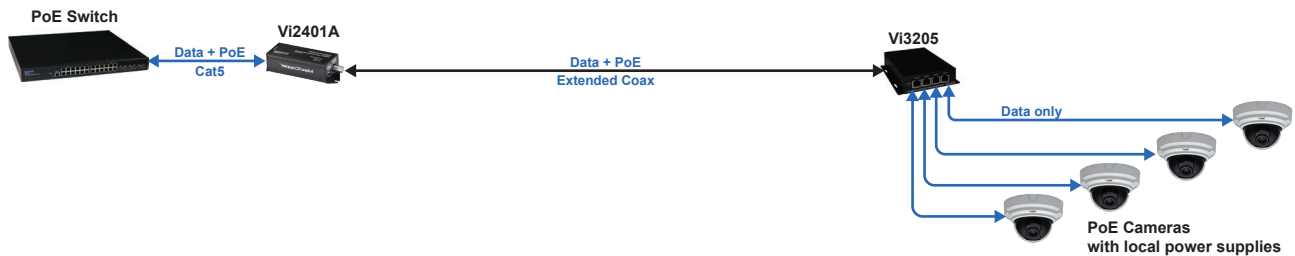| Part No. | Description |
|---|---|
| Vi3205 | 5-Port Layer 2 PoE Switch |
| Vi1120 | 120W, 57VDC Power Supply |
| Vi0017 | 40W 48VDC Power Supply |
| Vi0012 | 12W 12VDC Power Supply for non-PoE Applications |
| Vi0015 | Combiner Cable for 74W PoE |
| Vi2401A | 1-Port Coax Ethernet Extender |
| Vi2404A | 4-Port Coax Ethernet Extender |
| Vi2408A | 8-Port Coax Ethernet Extender |
| Vi2416A | 16-Port Coax Ethernet Extender |
| Vi2608 | 8-Port Coax Ethernet Extender & PoE Midspan |
| Vi2616 | 16-Port Coax Ethernet Extender & PoE Midspan |



Rear View

Front View
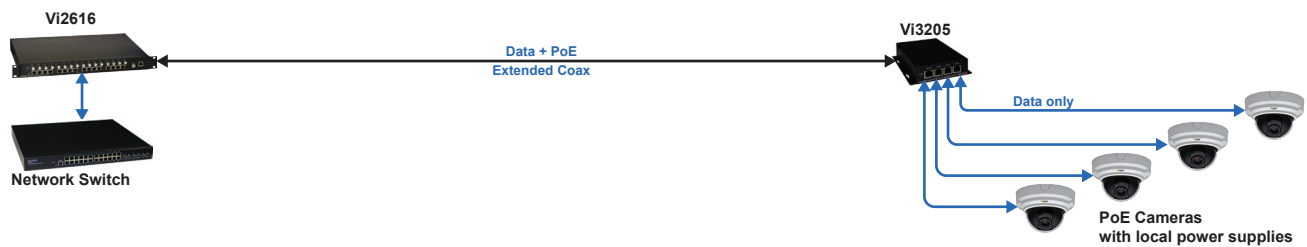
# Application Diagrams



*The Vi3205 can receive data over extended distance Coax up to 3,000 ft. at 100Mbps and power 4 PoE cameras using local power supplies.*



*The Vi3205 can receive data over extended distance Coax up to 3,000 ft. at 100Mbps and power 60W PoE cameras using the Vi0015 combiner cable and a local power supply.*



*The Vi3205 can receive data and PoE power for powering itself over extended distance Coax up to 3,000 ft. at 100Mbps. The cameras use local power supplies.*



*The Vi3205 can receive data and PoE power for powering itself over extended distance Coax up to 3,000 ft. at 100Mbps. The cameras use local power supplies.*