Vi30005

MaxiiNet™ 5-Ports 1G (1000Mbps) PoE Powered Switch

Features

- 100/1000Mbps network speeds, auto sensing RJ45 port
- 5-port PoE and Layer 2 network switch
- Can be powered from a remote PoE source to provide PoE power to all 4 ports
- Up to 37W PoE per port, capable of combing each 2-ports for up to 74W
- UPoE compliant input up to 74 watts
- Provides MSA compliant SFP fiber output port for integration to existing fiber infrastructures and extreme long distance up to 80Km
- Intelligent power sensing automatically allocates port power based on the number of connect ports and individual camera power requirements
- Automatic PoE port priority allocation
- Over current shut down protection if allocated PoE budget is exceeded
- Certified (MPC™) high data rate for virtual loss free transmission of cameras
- Type tested to RFC 2544 TCP/IP network bandwidth packet transmission standards
- Type tested for -40°C to +75°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

Applications

- Connects multiple high megapixel and 4K cameras to single cable runs to reduce installation costs
- Perfect solution for multi-imager cameras that required high bandwidth
- Connects multiple network switches to reduce bandwidth restrictions and single point of failure potentials
- Provides PoE power source for 60W cameras
- Perfect solution for sourcing multiple input of averaging up to 250 cameras for single view and recording locations
- Cost effective solution for multiple cameras transmission between buildings, parking lots, garages and perimeter fence applications for running hundreds of cameras on single cable run
- Prevents packet and bandwidth loss for transmitting high megapixel cameras

Vigitron's MaxiiNet™ Vi30005 fixed managed 5-port 1000Mbps PoE switch brings new performance standards to the growing need for high speed transmission of high speed Ethernet. Local power is eliminated for the Vi30005 and the connected cameras.

The Vi30005 can be powered by PoE sources up to 74W or locally by the Vi1120 to supply 802.3at, up to 37W to each port or up to 74W for two combined ports. UPoE compliant input. UPoE compliant port power when used with Vi0015. The Vi30005 can operate over UTP at the standard distances of up to 100m and fiber uplink up to 80Km by using its built-in MSA SFP compliant port.

With an operating temperature range of -40°C to 75°C, the Vi30005 is the perfect solution for data and power transmission for warehouses, parking lots, campuses, casinos, and many more. The Vi30005 is MegaPixel Certified (MPC™), type tested to network packet performance standards, and major manufacturer compatibility tested to assure you of quality and error free operations. Fixed managed L2 functions include 802.1p Qos, support of 2k MAC addressing, learning, aging, and a non-blocking switch fabric. Installation cost savings, proven performance, and major camera manufacturer compatibility all go into making Vigitron's MaxiiNet™ Vi30005 an ideal solution for standard distance data and power transmission.

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Technical Specification*

Electrical

Ethernet Interface	Standard 100BaseT/1000BaseT/1000BaseFX 1000BaseT SFP
UTP	100 Ohm +/- 20%, up to 328 ft. (100m)
Power Source	PoE: 802.3af (15.4W), 802.3at (30W), 74W UPoE compliant External Power Supply: 57VDC @ up to 120W or 12VDC @ 1A (non-PoE operation)
Status LEDs	Power Ethernet: Traffic, Link PoE Active
Connectors	Fiber: MSA compliant SFP socket Ethernet Interface: 5 x RJ-45 connector Power: Circular power connector
RFC	2544 TCP/IP Packet Transmission
RFC	768 UDP, 2068 HTTP, 793 TCP 791 IP, 1783 TFTP, 894 IP over Ethernet
PoE Compatibility	IEEE 802.3af, IEEE 802.3at,74W High power PoE
Jumbo Frame	Up to 9,600 bytes

Regulatory

FCC	Part 15, Subpart B, Class B 2010
Emissions	EN 5502:2006+A1:2007 EN 61000-3-2:2006+A1:2009+A2:2009 EN 55024:1998+A1:2001+A2:2003
Safety	CE
Environmental	RoHS, WEEE

Environmental

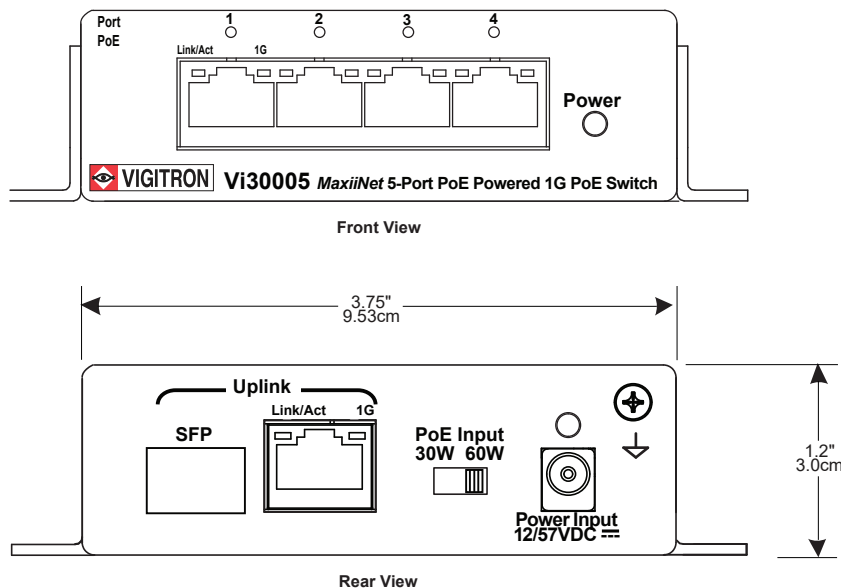|	
Humidity	0 to 95%, non-condensing

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 1A Power Supply for non-PoE operation

Vi0015: Combiner Cable for 74W Operation

Ordering Information

PART No.	Description
Vi30005	5-Port 1G PoE Powered Switch
Vi0012	12VDC @ 1 Amp for non-PoE Applications
Vi1120	120W @ 56VDC Power Supply for 60W PoE Applications
Vi00850MM-H	850nm MM SFP (multi-mode), Hardened
Vi01310SM-H	1310nm SM SFP (single-mode), Hardened

Front View

Rear View

Application Diagrams

NVR   **Cat5/6**   **Vi30005**
Data

Vi1120

Data + 30W PoE
Data + 30W PoE
Data + 60W PoE
Cat5/6

NVR   **Cat5/6**   **Vi30005**
Data

Vi0014

Vi3026

NVR   **Cat5/6**   **Vi30005**
Data

Vi1120

Cat5 / 60W
Cat5 / 60W

IP Cameras

Fiber

NVR   **Cat5/6**   **Vi30005**   **Vi30005**   **Vi30005**
Data

Cat5e

Vi1120   **Vi1120**   **Vi1120**

33MP Camera   **33MP Camera**   **33MP Camera**

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