

Vi2408 / Vi2416

MaxiiCopper™ 8 and 16-port High-Speed Ethernet Extenders over Coax

Features

- Converts existing analog CCTV system over coaxial cable to state-of-the-art high-speed Ethernet network for both CCTV and IT projects
- Extends Ethernet 10BaseT up to 5,500 feet (1,680m) and 100BaseT up to 2,100 feet (640m)
- Supports up to 8 or 16 ports
- Avoids rewiring and expense of traditional Ethernet network equipment
- Excellent for high network bandwidth requirements of Mega-pixel cameras
- 19 inch, 1U rack or wall mountable
- Compatible with any LAN device and fully transparent to Ethernet networks
- No IP address programming or other networking setup required
- LED Indicators provide link status and data rate
- Limited lifetime warranty



Applications

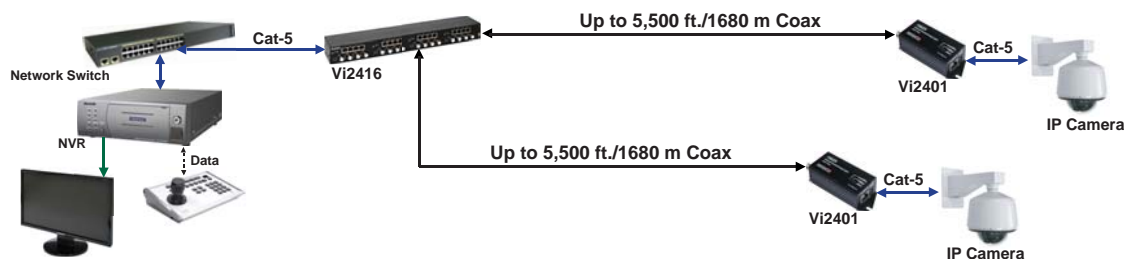
- Upgrading analog CCTV installations into Digital systems
- Extending Networks in industrial environment
- CCTV System for Casinos, Airports, School campuses

The MaxiiCopper Model Vi2408 and Vi2416 hubs are revolutionary data transmission devices that extend full-duplex High-Speed Ethernet over existing coax infrastructures. They extend 10BaseT signals up to 5,500 feet (1,680m) and 100BaseT up to 2,100 feet (640m). They employ MaxiiCopper, an innovative and unique Ethernet extension technology, that is designed to take full advantage of high-bandwidth networking cables and maintain a full-duplex 10 or 100 Mb/s Ethernet connection up to the maximum range - with minimum transmission error and latency. Multiple remote network devices such as Mega-pixel IP cameras or VoIP can be connected to a central LAN switching fabric with ease. Their dual-rate capability provides an easy way to balance the best possible network throughput and long-reach distance design. The Vi2408 supports up to 8 ports and Vi2416 supports up to 16 ports.

These hubs need to be deployed along with Vi2401 on the remote end of each coaxial cable. They are equipped with LEDs to provide link status and configured data rate. They are completely transparent to the corporate IP network and higher layer protocols and require no IP setting or other programming configurations.

The Vi2408 and Vi2416 are offered in 19 inch 1U height enclosure for rack-mount or wall-mount applications. They are ideal for medium to large scale networking or digital CCTV projects.

Application Diagram



Technical Specification*

Electrical

Ethernet Interface	Standard 10/100BaseT
Ethernet Rate	Dip switch selectable 10/100 Mb/s Full speed / full duplex at maximum rated distance
Coax	75 Ohm, 5500 feet (1,680 m) at 10BaseT 2100 feet (640 m) at 100BaseT
Power Supply	12 VDC, 2.5 A maximum
Status LEDs	Red LED, link Green LED, 10BaseT Yellow LED, 100BaseT
Connectors	Ethernet Interface: RJ-45 Connector Extended Interface: Female BNC Power: IEC380-8 inlet

Environmental

Humidity	0 to 95%, non-condensing
Temperature	Operating: -10°C to +50°C Storage: -30°C to +70°C

Mechanical

Dimensions	1.75x3.25x17 in., 4.4x8.25x43 cm (HxWxL)
Weight	Vi2408: 1.8 lb (0.82 Kg), Vi2416: 3.25 lb (1.5 Kg)
Material	Aluminum

Included Accessories

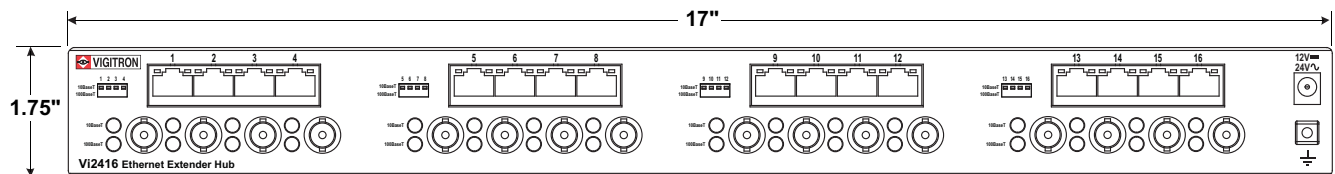
12 VDC, 3 A wall-mount power supply
Rack mount brackets

*Specifications subject to change without notice.

Ordering Information

PART No.	Description
Vi2401	Single port Coax Ethernet Extender
Vi2404	4-port Coax Ethernet Extender
Vi2408	8-port Coax Ethernet Extender, 19", 1U
Vi2416	16-port Coax Ethernet Extender, 19", 1U

System Configuration



TEL (+1) 858-484-5209 • FAX (+1) 858-484-1205
13906 Sparren Ave. San Diego, CA 92129, USA • info@vigatron.com • www.vigatron.com

© Copyright 2010 Vigatron, Inc.