# Vi2308 / Vi2316

## MaxiiCopper<sup>™</sup> 8 and 16-port High-Speed Ethernet Extenders over UTP

#### **Features**

- Extends Ethernet Networks beyond 100 m limitation for CCTV and IT projects 10BaseT up to 5,000 feet (1,524m) 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
- Supports one pair or four-pair UTP wires
- Limited lifetime warranty



## **Applications**

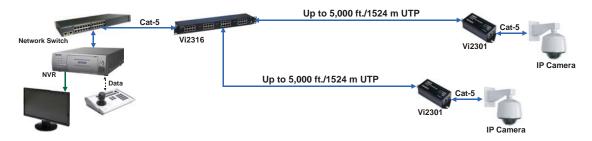
- Retrofit analog CCTV installations into Digital systems
- Extending Networks in industrial environment
- CCTV System for Casinos, Airports, School campuses

The MaxiiCopper Model Vi2308 and Vi2316 hubs are revolutionary data transmission devices that extend full-duplex High-Speed Ethernet over new or existing UTP infrastructures. They extend 10BaseT signals up to 5,000 feet (1,524m) 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 Vi2308 supports up to 8 ports and Vi2316 supports up to 16 ports.

These hubs need to be deployed along with Vi2301 on the remote end of each UTP 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 programing configurations. These hubs can use either one pair or 4 pairs of UTP.

The Vi2308 and Vi2316 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

UTP 100 Ohm, 5000 feet (1,524 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: RJ-45 Connector

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 Vi2308: 1.8 lb (0.82 Kg), Vi2316: 3.25 lb (1.5 Kg)

Material Aluminum

#### **Included Accessories**

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

## **Ordering Information**

PART No. Description

Vi2301 Single port UTP Ethernet Extender

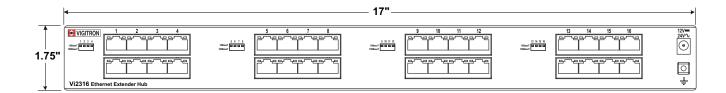
Vi2304 4-port UTP Ethernet Extender

Vi2308 8-port UTP Ethernet Extender, 19", 1U

Vi2316 16-port UTP Ethernet Extender,19", 1U

## **System Configuration**







<sup>\*</sup>Specifications subject to change without notice.