# VIGITRON

## INNOVATIVE NETWORKING SOLUTIONS

# Index

# Introduction

Vigitron is leader in design and manufacturing of infrastructure transmission equipment since 1997. Our product lines have grown as the security industry has evolved to include the most complete range of networking solutions.

Vigitron is endorsed by the world's leading CCTV solution providers based on our dedication to quality, certified product performance testing, inter-operational testing with the world leading camera brands and offering the industry's longest warranty.

Performance, innovation, and reliability are the features you can rely on from the security leader in infrastructure solutions.

## Symmetric Bandwidth  (SBW™)
Maintains maximum bandwidth throughout specified distances for both upload and downloads.

SBW™

## Virtual Zero Packet Loss (VZPL™)
In network communication, information is transferred in Packets. Loss of Packets equals  loss of information.  Tested to RFC 2544 TCP/IP for packets sizes up to 9,000 bytes Jumbo Frames.

011 → 011
VZPL™

## Pass-Through-PoE (PTP™)
Passes through the PoE power without interfering in the PSE-PD communication.

PTP™

## Extended Pass-Through-PoE (EPTP™)
The ability to pass 802.3af/at/bt up to 74W/90W transmitting power at extreme distances with minimal power losses.

EPTP™

## Mega Pixel Certified (MPC™)
Testing is done to manufacturers' high-end Megapixel cameras. Vigitron products have also been tested by several IP camera manufacturers, resulting in their strong endorsements.

MPC™

## RFC Certified
Vigitron products are tested under RFC 2544 specifications for Packet loss, Bandwidth and Latency and the highest Jumbo frame size of 9,000 bytes, which provides the ability to transmit the largest megapixel size cameras with virtually no loss.

RFCC™

## Hardened (HRD™)
Vigitron products are type tested for operation from -40°C to + 75°C under tough NEMA-TS2 transportation testing standards.

+75C°
-40C°
HRD™

## Low Power Consumption (LPC™)
The industry's lowest power consumption, reserving needed power for PoE devices, and saving installation and operating costs.

LPC™

## Support Jumbo Frames (JFC ™)
Jumbo Frame compatibility assures reliable full bandwidth transmission of thehighest megapixel cameras with maintaining image quality at high frame rates. Vigitron products are tested up to the full jumbo frame rate of 9000 bytes.

011100
101001
011000
JFC

## PoE
Vigitron's PoE products provide up to 74W/90W PoE power at extended distances to cameras with PTZ, IR Illuminators, heaters and blowers, eliminating the need for any local power supplies.

90W
PoE

## Vigitron supports you in all stages of your projects

### Pre-Sales: Free Infrastructure Design Services

Vigitron provides free and no obligation Infrastructure Design Services. Vigitron works closely with virtually all major IP cameras, Access Control systems, LED Lighting and Wireless Transmission manufacturers conducting intraoperative testing and uses the results in perfecting our Design Center Services in providing infrastructure designs for customer applications. Our product performance specifications are supported by extreme environmental, bandwidth and PoE certification testing.

### During-Sales: Excellent Technical and Sales Support

Vigitron technical and sales teams work closely with customers to assist them to successfully implement any size infrastructure projects. We provide demo equipments to facilitate project installations and usually ship products same day that the orders are received to help expediting installations. Our extensive inter-operative testing with major IP camera brands takes the guess work out of CCTV transmission projects.

### Post-Sales: Lifetime Warranty + 3 Years

Vigitron, with over two decades of design and manufacturing experience, provides the most reliable products supported by the industry's longest warranty. Our warranty is the production lifetime plus three years to assures you of continued support, even after a product's end of life. Our lifetime warranty is free and a standard feature of our products.
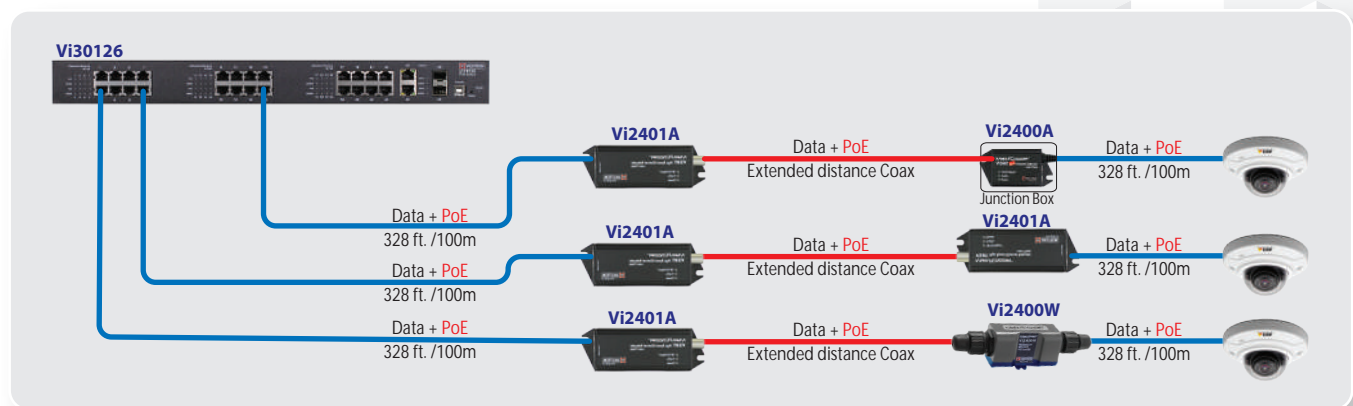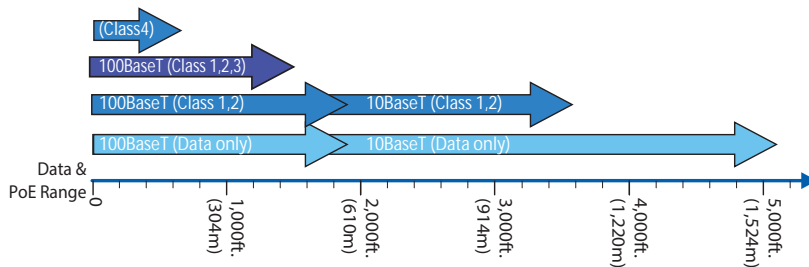
**Lifetime +3 Warranty**
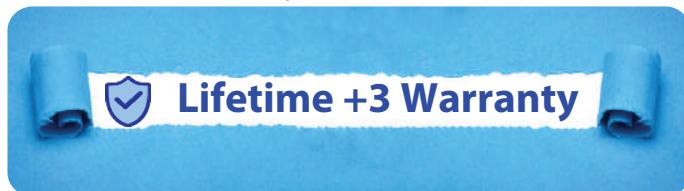
### Vigitron Advantages:

| Feature | Vigitron |
|---|---|
| Industry's Longest Warranty | ✓ |
| Free Design Services | ✓ |
| Performance Backed by Certified Testing | ✓ |
| Highest Data Transmission | ✓ |
| Highest PoE Power Capacity | ✓ |
| Real World Product Testing | ✓ |
| IP Camera  Interoperability Testing | ✓ |

# MaxiiCopper™

## COAX ETHERNET EXTENDERS

| Model | Ports | Power Source | Function |
|-------|-------|--------------|----------|
| Vi2400A | 1 | 12VDC or PoE | Mini Single port 10/100 Ethernet Extender w/ Pass-Through-PoE |
| Vi2401A | 1 | 12VDC or PoE | Single port 10/100 Ethernet Extender w/ Pass-Through-PoE |
| Vi2400WP | 1 | PoE | Weatherproof (**IP67**) Ethernet Extender w/ Pass-Through-PoE |
| Vi2404A | 4 | 12VDC | 10/100 Ethernet Extender w/ Pass-Through-PoE |
| Vi2408A | 8 | 12VDC | 10/100 Ethernet Extender w/ Pass-Through-PoE |
| Vi2416A | 16 | 12VDC | 10/100 Ethernet Extender w/ Pass-Through-PoE |

- Extends 10BaseT up to 5,000 ft. (1,524m)
- Extends 100BaseT up to 1,800 ft. (548m)
- Provides Pass-Through-PoE up to 37W

### Data & PoE Range



(Class4)
100BaseT (Class 1,2,3)
100BaseT (Class 1,2)     10BaseT (Class 1,2)
100BaseT (Data only)     10BaseT (Data only)

Data & PoE Range

0   1,000ft. (304m)   2,000ft. (610m)   3,000ft. (914m)   4,000ft. (1,220m)   5,000ft. (1,524m)



The Vi2400 series can transmit IP data with up to 37W PoE over existing coax at distances up to 1,800 feet (545m) providing a quick and cost effective method of converting analog CCTV to IP systems.

The Vi2400A Mini can fit in a common 4 inch square wiring box and J-box enclosures, making it the perfect solution for tight locations requiring security and environmental protection.

The multi-port MaxiiCopper™ Coax extenders are the ideal solution for analog systems transitioning to IP. They reduce the installation cost by using the existing coax wiring.

# Max*ii*Power™

| Model | Ports | PoE Budget | Function |
|-------|-------|-----------|----------|
| Vi2601 | 1 | 32W | Coax 10/100 Ethernet Extender w/ built-in **af/at 32W** PoE Midspan |
| Vi3202 | 1 | 60W | Coax 10/100 Extender w/ **af/at 60W** PoE Midspan on UTP Port |
| Vi30202U | 1 | 60W | Coax 10/100 Extender w/ **af/at/bt 60W** PoE Midspan on UTP Port |
| Vi2608 | 8 | 300W | Managed Coax 10/100 **af/at** PoE Midspan w/ 300W PoE Power Supply |
| Vi2616 | 16 | 550W | Managed Coax 10/100 **af/at** PoE Midspan w/ 550W PoE Power Supply |

- Extends 10/100 data PoE up to 3,000 ft.
- Extends 100BaseT up to 1,800 ft. (548m)
- The Vi2608/Vi2616 GUI connection are provided through USB port and Network port using Vigitron Software for maximum secuirty protection

### Data & PoE Range
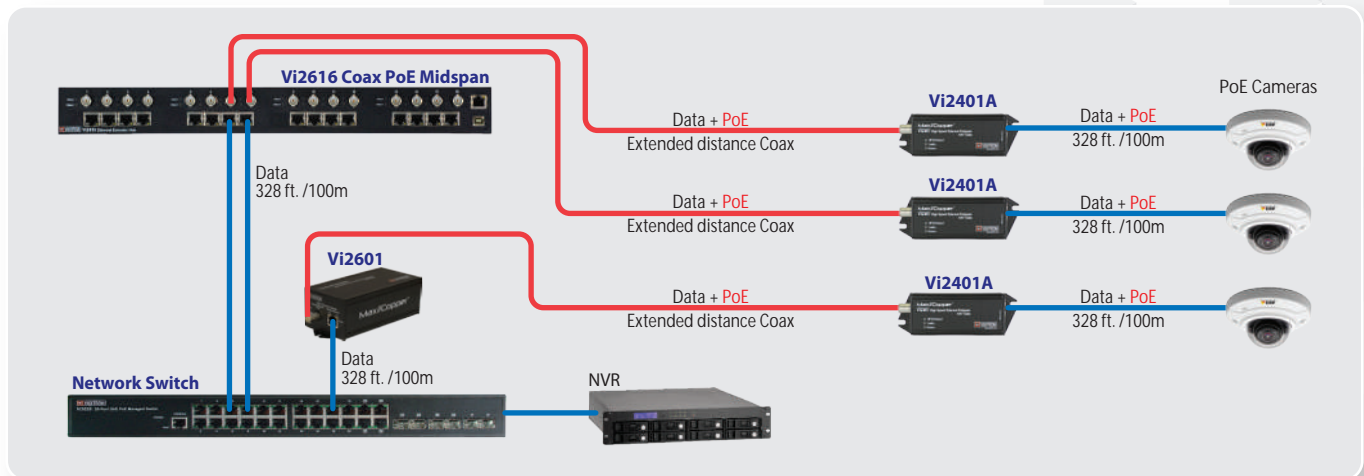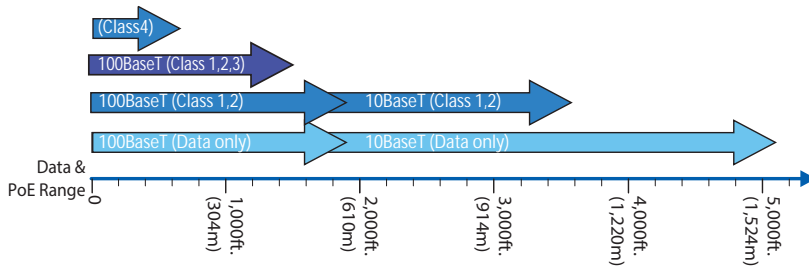


The Vi2608/Vi2616 provide PoE on up to 16 Coax ports to power Vi2401A/Vi2400As and connected PoE cameras eliminating the need for local power sources. It is a perfect solution for parking lots, loading docks and perimeter applications. The Vi2601 provides Ethernet and PoE over long distances of coax and is ideal for smaller installations.
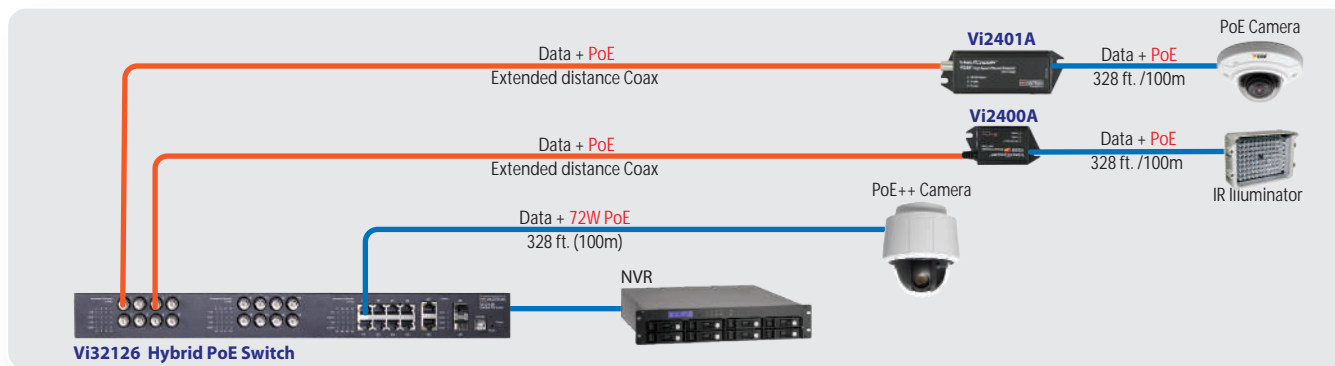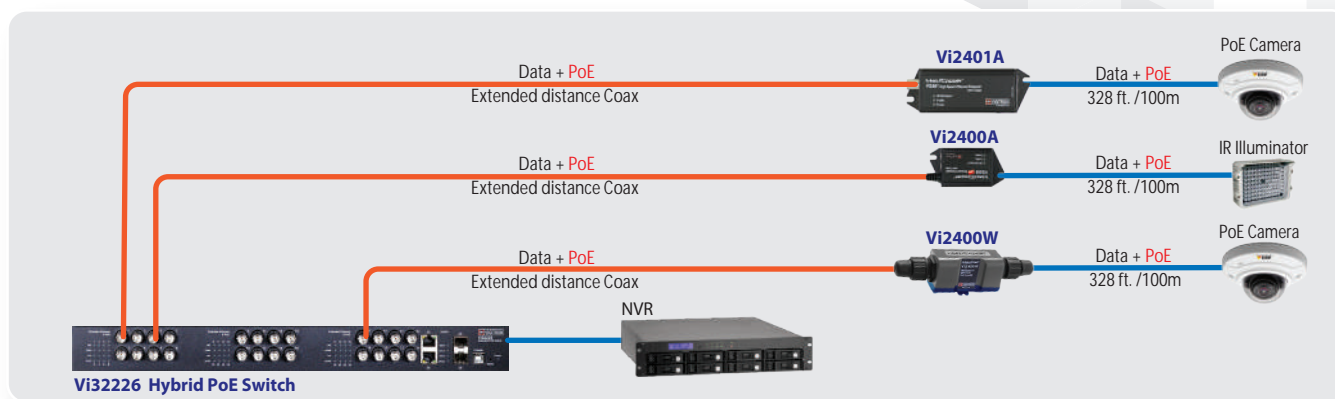
# MaxiiNet™

## COAX MANAGED HYBRID SWITCHES

| Model | Coax Ports | UTP Ports | Function |
|-------|-----------|-----------|----------|
| **Vi32026** | 8 | 16 | L2 Managed PoE Switch, **af/at 36W/72W** PoE w/ 550W PoE budget |
| **Vi32126** | 16 | 8 | L2 Managed PoE Switch, **af/at 36W/72W** PoE w/ 550W PoE budget |
| **Vi32226** | 24 | N/A | L2 Managed PoE Switch, **af/at 36W** PoE w/ 550W PoE budget |

• 24-port Layer 2, fast Ethernet + two 1G combo uplinks
• Extends 10BaseT up to 5,000 ft. (1,524m)  Extends 100BaseT up to 1,800 ft. (548m).
• Provide a combination of Extended Coax ports and Standard Ethernet with PoE.
• All ports can provide up to 36W PoE and ports 17-20 can provide up to 72W PoE.*
• Reconnects automatically after data or PoE dropped connections.
• Unique SecurPort™ protects against ghosting and hacking .

* excluding Vi32226



Data + PoE
Extended distance Coax

**Vi2401A**

Data + PoE
328 ft. /100m

PoE Camera

Data + PoE
Extended distance Coax

**Vi2400A**

Data + PoE
328 ft. /100m

IR Illuminator

Data + 72W PoE
328 ft. (100m)

PoE++ Camera

NVR

**Vi32126  Hybrid PoE Switch**

The Vi32026/Vi32126 can transmit Ethernet and PoE over Coax and UTP cables.  They are cost effective and efficient in providing Ethernet and PoE for virtually any project with mixed types of cables. Ports 17-20 can provide up to 72W PoE power.



Data + PoE
Extended distance Coax

**Vi2401A**

Data + PoE
328 ft. /100m

PoE Camera

Data + PoE
Extended distance Coax

**Vi2400A**

Data + PoE
328 ft. /100m

IR Illuminator

Data + PoE
Extended distance Coax

**Vi2400W**

Data + PoE
328 ft. /100m

PoE Camera

NVR

**Vi32226  Hybrid PoE Switch**

The Vi32226 is a 24-port managed PoE switch that can transmit Ethernet and PoE over Coax. They provide up to 36W PoE on each port. It is a cost effective and efficient solution for converting analog CCTV systems to IP systems.

# Max*ii*Copper™

## UTP ETHERNET EXTENDERS

| Model | Ports | Power Supply | Function |
|---|---|---|---|
| Vi2300A | 1 | 12VDC or PoE | Mini 10/100 Ethernet Extender w/ **72W** Pass-Through-PoE |
| Vi2301A | 1 | 12VDC/24VAC or PoE | 10/100 Ethernet Extender w/ **72W** Pass-Through-PoE |
| Vi2301AU* | 1 | 12VDC/24VAC or PoE | 10/100 Ethernet Extender w/ **90W** Pass-Through-PoE |
| Vi2300W | 1 | PoE | Weatherproof (IP67) Ethernet Extender w/ **72W** Pass-Through-PoE |
| Vi2304A | 4 | 12VDC | 10/100 Ethernet & PoE Extender w/ **72W** Pass-Through-PoE |
| Vi2308A | 8 | 12VDC | 10/100 Ethernet & PoE Extender w/ **72W** Pass-Through-PoE |
| Vi2316A | 16 | 12VDC | 10/100 Ethernet & PoE Extender w/ **72W** Pass-Through-PoE |

- Extends 10BaseT up to 3,000 ft. (914m)
- Extends 100BaseT up to 2,000 ft. (609m)
- Tested and certified with major 72W/90W* PoE devices
- Plug-and-play with no set up required.

### Data & PoE Range
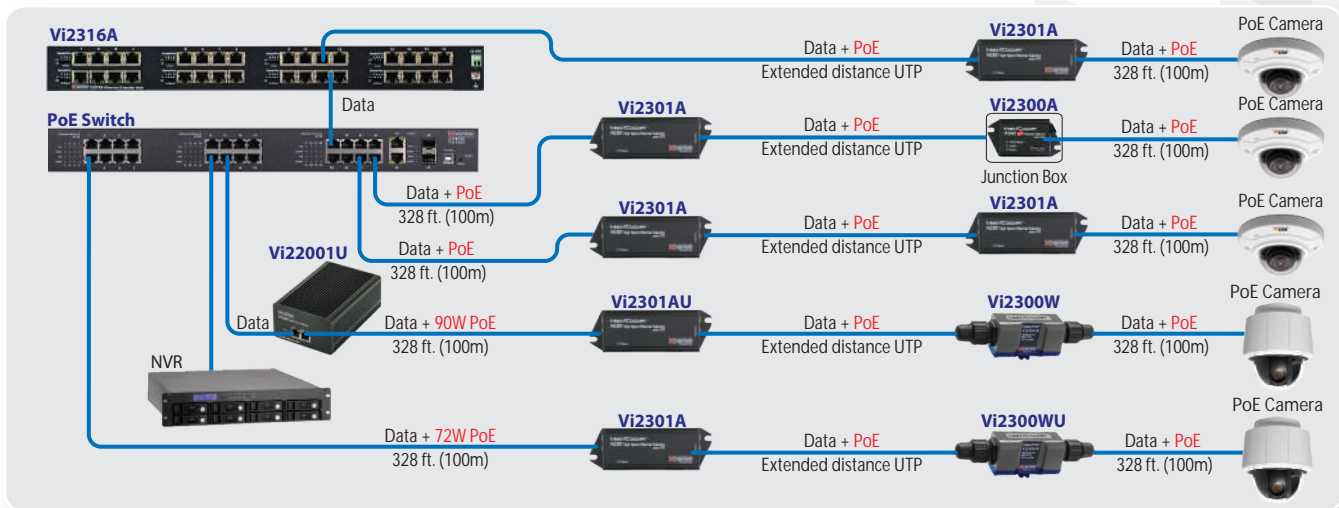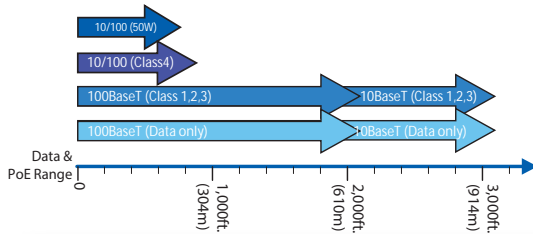


The Vi2300 series can transmit IP data and provide up to 72W PoE over extended UTP at distances up to 3,000 feet (914m) providing a cost effective method of powering, monitoring, and controlling your IP cameras

The Vi2300A Mini can fit inside a common 4 inch square wiring box and J-box enclosures, making it the perfect solution for tight locations requiring security and environmental protection.

The multi-port MaxiiCopper™ UTP extenders are ideal for larger extended distance UTP systems.
The Vi230xxU models can pass through up to 90W PoE at long distances to power high power PTZ cameras.

# Max**ii**Power™

| | Model | Ports | PoE Budget | Function |
|---|---|---|---|---|
| | **Vi2701TX** | 1 | 60W | 10/100 Ethernet Extender, **af/at 74W** PoE (for Camera Side) |
| | **Vi2701RX** | 1 | 60W | 10/100 Ethernet Extender, **af/at 74W** PoE (for Control Room) |
| | **Vi2508** | 8 | 300W | Managed 10/100 Extended UTP **af/at 37/74W** PoE Midspan w/ built-in 300W PoE source |
| | **Vi2516** | 16 | 550W | Managed 10/100 Extended UTP **af/at 37/74W** PoE Midspan w/ built-in Power supply |

- Vi25xx Provides 37W on all ports and 74W on first 4 ports
- GUI connection through USB port and Network
- Extends 10/100 data & Class-3 PoE up to 2,000 ft.

## Data & PoE Range
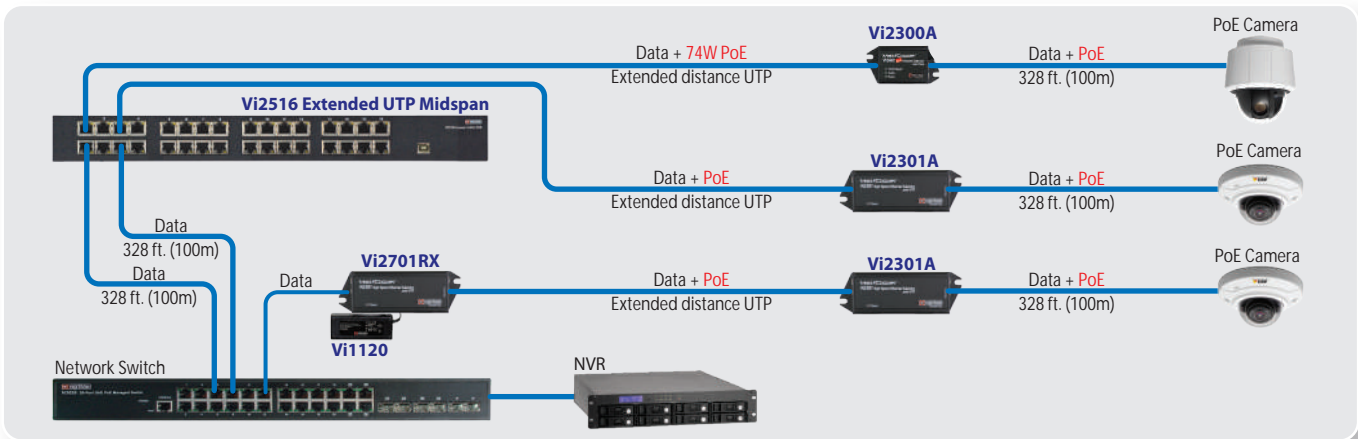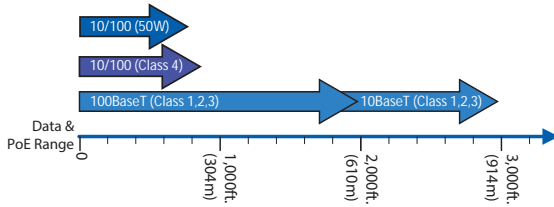


The Vi2516 provides PoE on up to 16 ports to power Vi2301A and connected PoE cameras eliminating the need for local power sources. It is an excellent solution for parking lots, loading docks and perimeter applications.
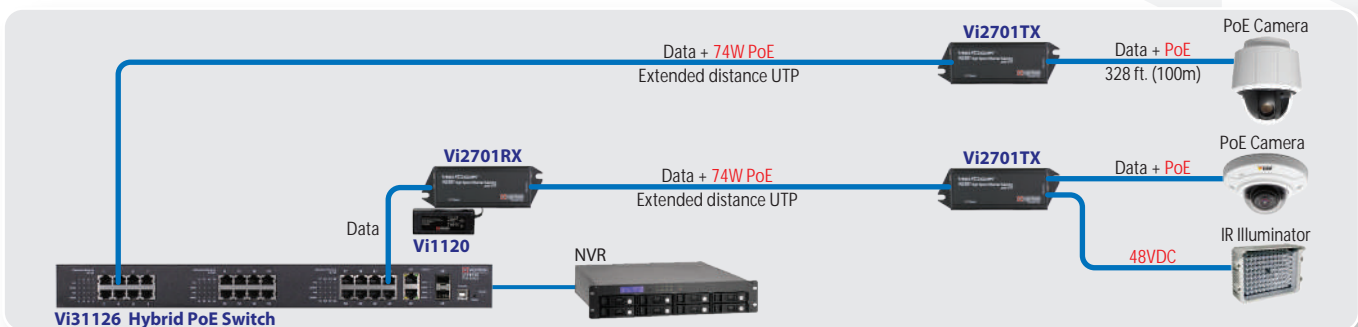
The Vi2701TX can provide IP video and PoE plus a 48VDC output to power auxiliary devices such as IR Illuminators.

Max**ii**Power™

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# MaxiiNet™

| Model | Extended Ports | Standard Ports | Function |
|---|---|---|---|
| Vi31026 | 8 | 16 | L2 Managed Extended and Standard UTP **af/at 72W** PoE Switch w/ 550W PoE budget |
| Vi31126 | 16 | 8 | L2 Managed Extended and Standard UTP **af/at 72W** PoE Switch w/ 550W PoE budget |

• Layer 2 High Power Managed 24-port fast Ethernet PoE Switch + two 1G combo uplinks
• Provide a combination of Extended UTP ports and Standard Ethernet with PoE
• Extends 10BaseT up to 3,000 ft. (914m) and100BaseT up to 2,000 ft. (609m) Ethernet and PoE over
  long distance UTP cables
• Full PoE IEEE 802.3.af (15.4W), 802.3.at (36W) on all ports and up to 72W PoE on ports 1-4 and 17-20
• Automatically reconnects after data or PoE dropped connections
• Unique SecurPort™ protects against ghosting and hacking
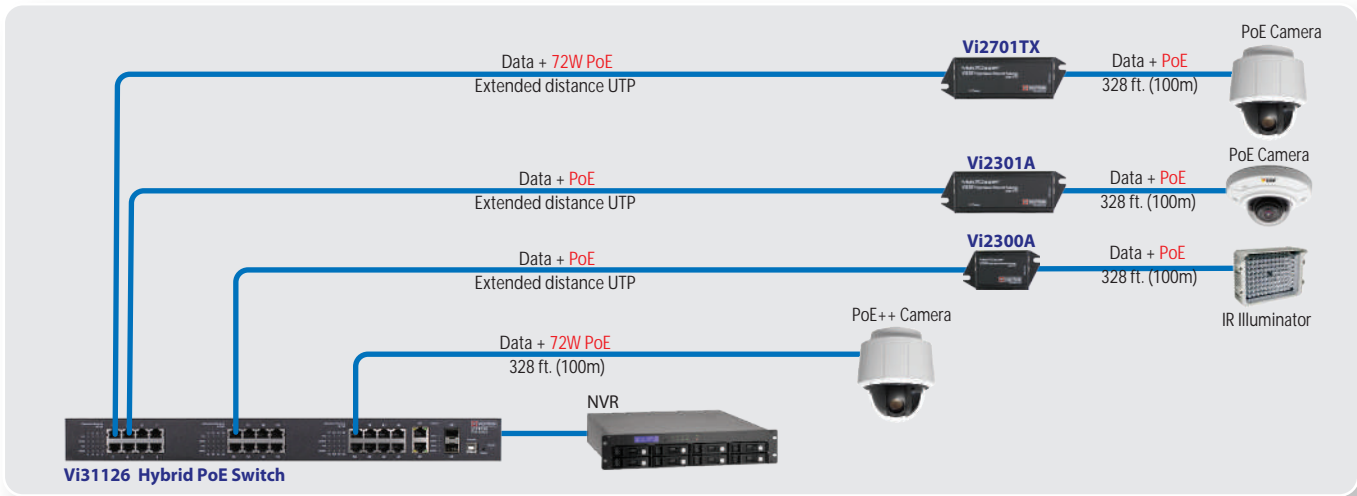


The Vi31026/Vi31126 can transmit Ethernet and PoE over standard and extended UTP cables. They are cost effective and efficient in providing Ethernet and PoE for virtually any project with new or existing extended UTP cables. Ports 1-4 and 17-20 can provide up to 72W PoE power.
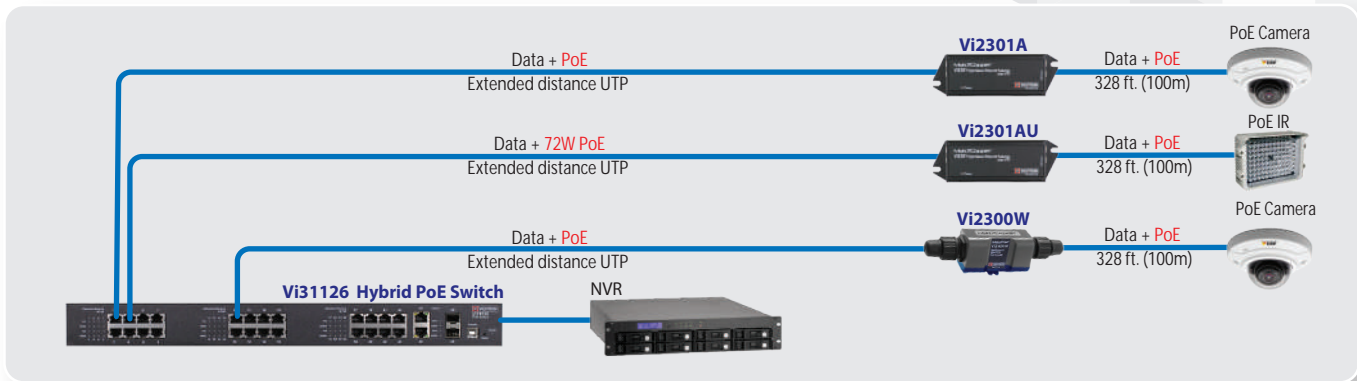


The Vi31126 is a 24-port managed Hybrid PoE switch than can transmit Ethernet and PoE over standard and extended distance UTP cables. It provides up to 36W PoE on each port and 72W PoE on ports 1-4 and 17-20. It is a cost effective and efficient solution for converting analog CCTV systems to IP or new installations.
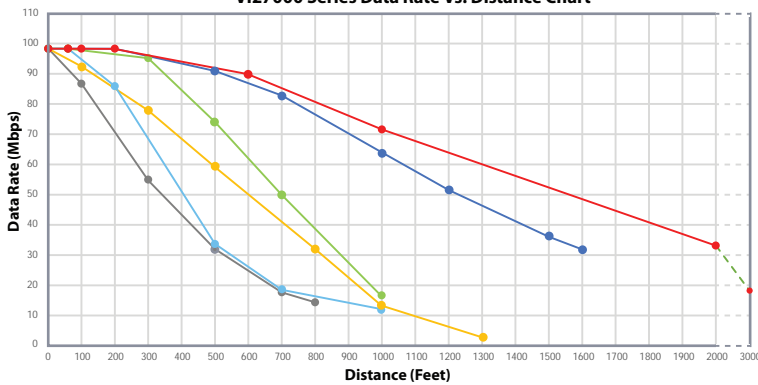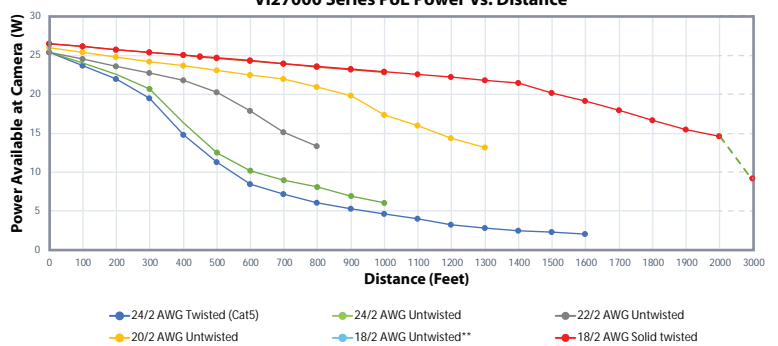
# Omn*ii*Copper™

## SINGLE PAIR ETHERNET & PoE EXTENDERS

| Model | Ports | Power Source | Function |
|---|---|---|---|
| Vi27000 | 1 | 48-57VDC or PoE | 1-port 10/100 Ethernet & af/at 36W PoE Extender (Transmitter) |
| Vi27001 | 1 | 48-57VDC or PoE | 1-port 10/100 Ethernet & af/at 36W PoE Extender, (Receiver) |
| Vi27004 | 4 | 12VDC | 4-port 10/100 Ethernet & af/at 36W PoE Extender, (Receiver) |

- Transmits Ethernet and PoE up to 3,000 feet (914 m) over Single-Pair Wires
- Network speeds up to 100Mbps over UTP, STP and untwisted pair wires
- Requires no switch setting or network programming
- Provides Pass-Through-PoE up to 36W
- Provides automatic Bandwidth detection

### Vi27000 Series Data Rate Vs. Distance Chart



### Vi27000 Series PoE Power Vs. Distance*



- 24/2 AWG Twisted (Cat5)
- 24/2 AWG Untwisted
- 22/2 AWG Untwisted
- 20/2 AWG Untwisted
- 18/2 AWG Untwisted**
- 18/2 AWG Solid twisted



The Vi27000 series transmitter, receiver and IP cameras can be powered by a PoE switch.

Both the Vi27001 and the Vi27000 can use local power supplies to power themselves and provide PoE to the IP cameras. Up to 4 Vi27004 Receivers can be mounted on a Vi5000R rack shelf to make a 16 port receiver.

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# Max*ii*Fiber™

## FIBER OPTIC MANAGED SWITCHES & CONVERTERS

| Model | Function |
|---|---|
| Vi5001 | 100Mbps Fiber Media convertor provides **30W** PoE |
| Vi5004 | 4-Port 100Mbps Fiber Media convertor |
| Vi50004 | 4-Port 100/1000Mbps Fiber Media convertor |
| Vi50000A | 1000Mbps Fiber Media convertor provides af/at **60W** PoE |
| Vi50000U | 1000Mbps Fiber Media convertor provides af/at/bt **60W** PoE |
| Vi50001 | 100/1000Mbps Fiber Media convertor, powered by PoE or Local power supply |
| Vi00850MM-H<br>Vi00850MMA-H<br>Vi01310MMA-H<br>Vi01310SM-H<br>Vi01310SM2.5-H<br>Vi01310G10SM-H | Mutlimode, 1G, 850nm SFP, up to 550m, Hardened<br>Mutlimode, 1G, 850nm SFP, up to 550m, Hardened<br>Mutlimode, 100M, 1310nm SFP, up to 2Km, Hardened<br>Singlemode, 1.25G, 1310nm SFP, up to 20Km, Hardened<br>Singlemode, 2.5G, 1310nm SFP, up to 20Km, Hardened<br>Singlemode, 10G, 1310nm SFP, up to 20Km, Hardened |
| Vi01000CH | 1Gbps Copper Tranceiver SFP |
| Vi35126 | 16-Port Fiber Optic & 8-Port L2 Managed Hybrid 100Mbps PoE Switch w/ 550W PoE |
| Vi35136 | 36-Port L2+/L3 Lite Managed Hybrid Fiber Network Switch, 24x1G Fiber, 8x1G UTP Ports, 4x1G/2.5G/10G fiber Uplink |
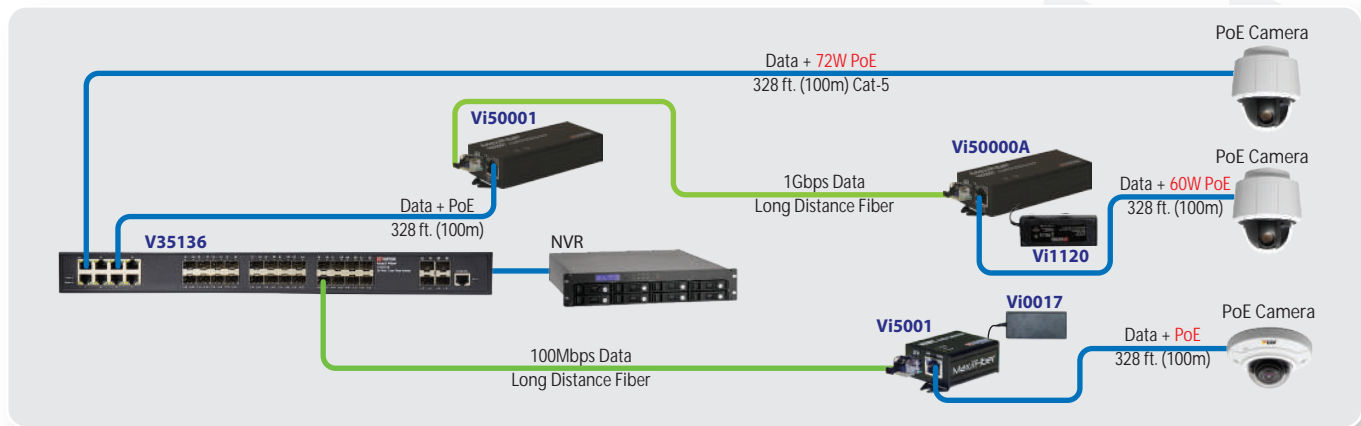
The Vi35126 Hybrid fiber switch along with Vi5001 or Vi50000A media converter transmits IP video over long distance fiber optic cables at long distances while its copper port can provide power to cameras at up to 100m.
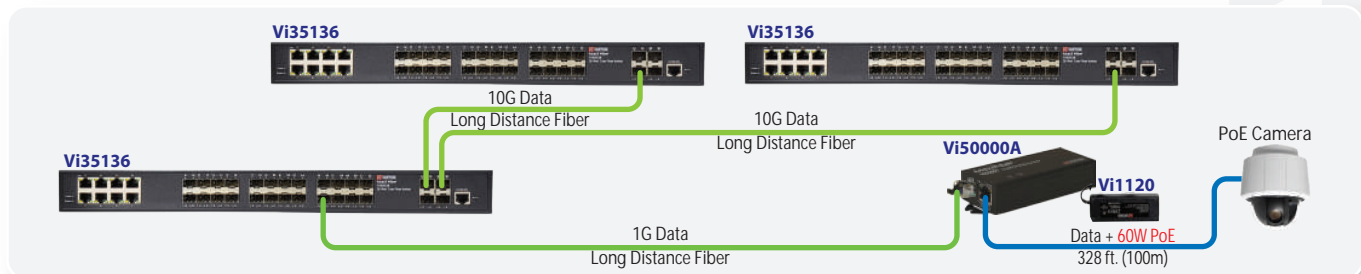
Vi35136 can be used to combine data connections from several networks over UTP and Fiber providing 10G uplinks.

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# MaxiiNet™

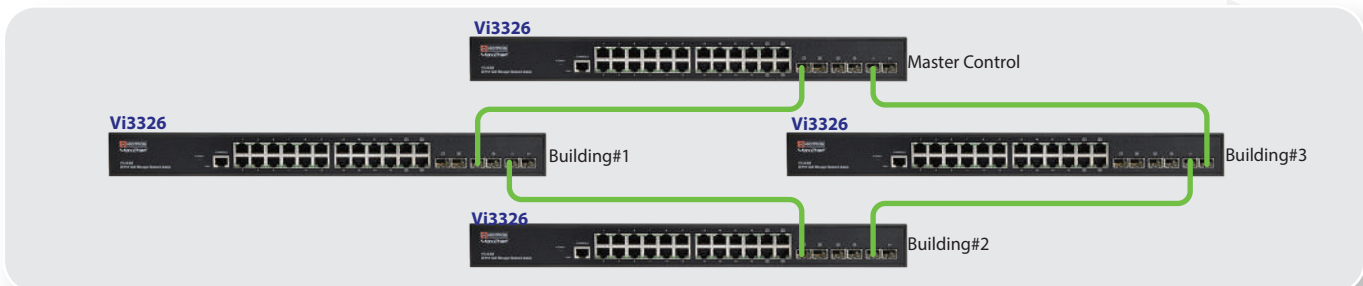| Model | Ports | PoE/ Port | Description |
|-------|-------|-----------|-------------|
| Vi30110 | 10 | 36W | 10/100/1G L2+/L3 Lite<br>PoE Switch w/ 250W PoE Budget |
| Vi30018 | 18 | 36W/72W | 10/100  L2  Managed PoE Switch<br>1G Uplink, w/ 550W PoE Budget |
| Vi30126 | 24 | 36W/72W | 10/100  L2 Managed PoE Switch<br>1G Uplink, w/ 550W PoE Budget |
| Vi3326 | 24 | N/A | 10/100/1G High Performance<br>L2+ Managed Network Switch |

• Layer 2+ High Power Managed PoE/Network switches
• The Vi3326/Vi30110 support Jumbo Frames up to 9600 bytes at all port speeds
• Automatically reconnects after data or PoE  dropped connections
• Automatic one-step port and VLAN configuration for a wide variety of IP devices
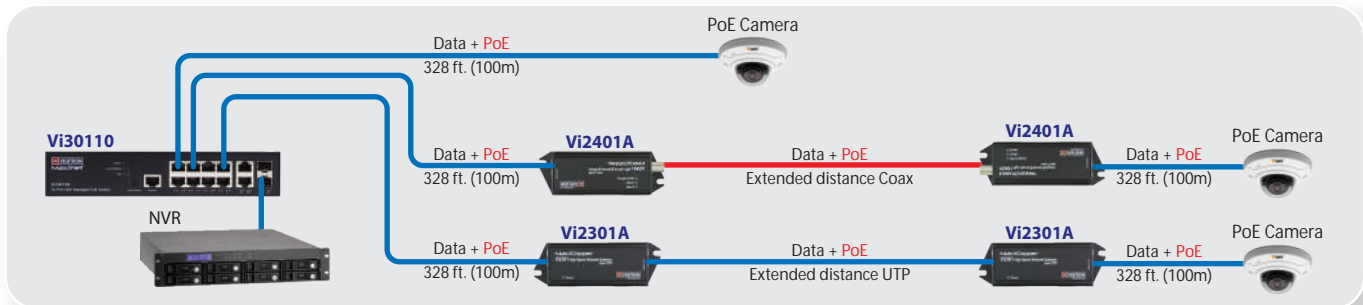


The Vi30110 is a high power PoE switch that provides eight 10/100/1G Ethernet ports plus 2x1G combo uplink ports. It is ideal for small to medium IP CCTV or IT network applications.
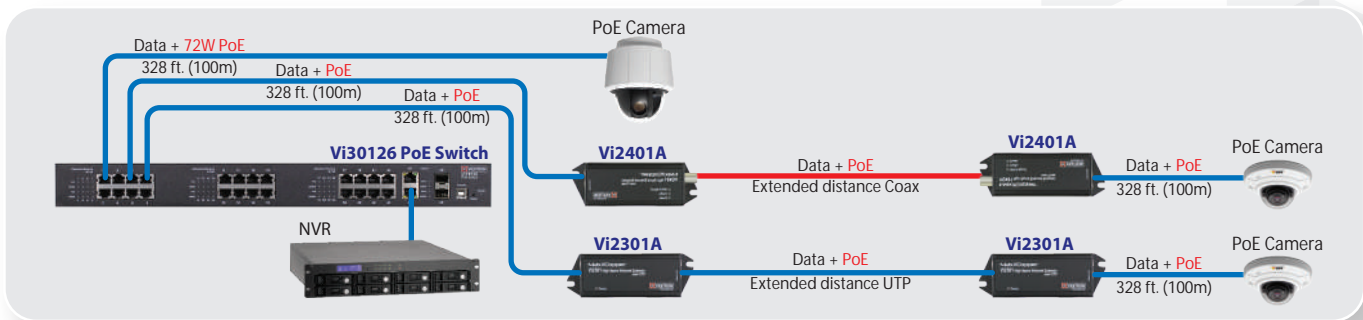


The Vi30126 Layer 2 is the ideal solution for midsize to large projects. It provides all essential and extra features needed for a reliable and successful network implementation.



Vigitron managed switches can be connected together over long distance fiber optic cables to provide a wide area network.

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# MaxiiNet™

| Model | Ports | PoE/ Port | Description |
|---|---|---|---|
| Vi30208 | 8 | 90W | Managed Hardened 4+2+2-Port, L2+, af/at/bt 90W PoE, 1G Industrial Ring Switch |
| Vi30210 | 12 | 90W | Managed Hardened 8+2-Port, L2+, af/at/bt 90W PoE, 1G Industrial Ring Switch |

• Layer 2+ High Power Managed PoE Ring Network switches
• Jumbo frame programing at all bandwidth settings
• Operating temperature range -40ºC to +70ºC per NEMA-TS 2 standards
• G.8032 V1/V2 Rapid Ring protocol compliant
• Dual power input for back up power supply
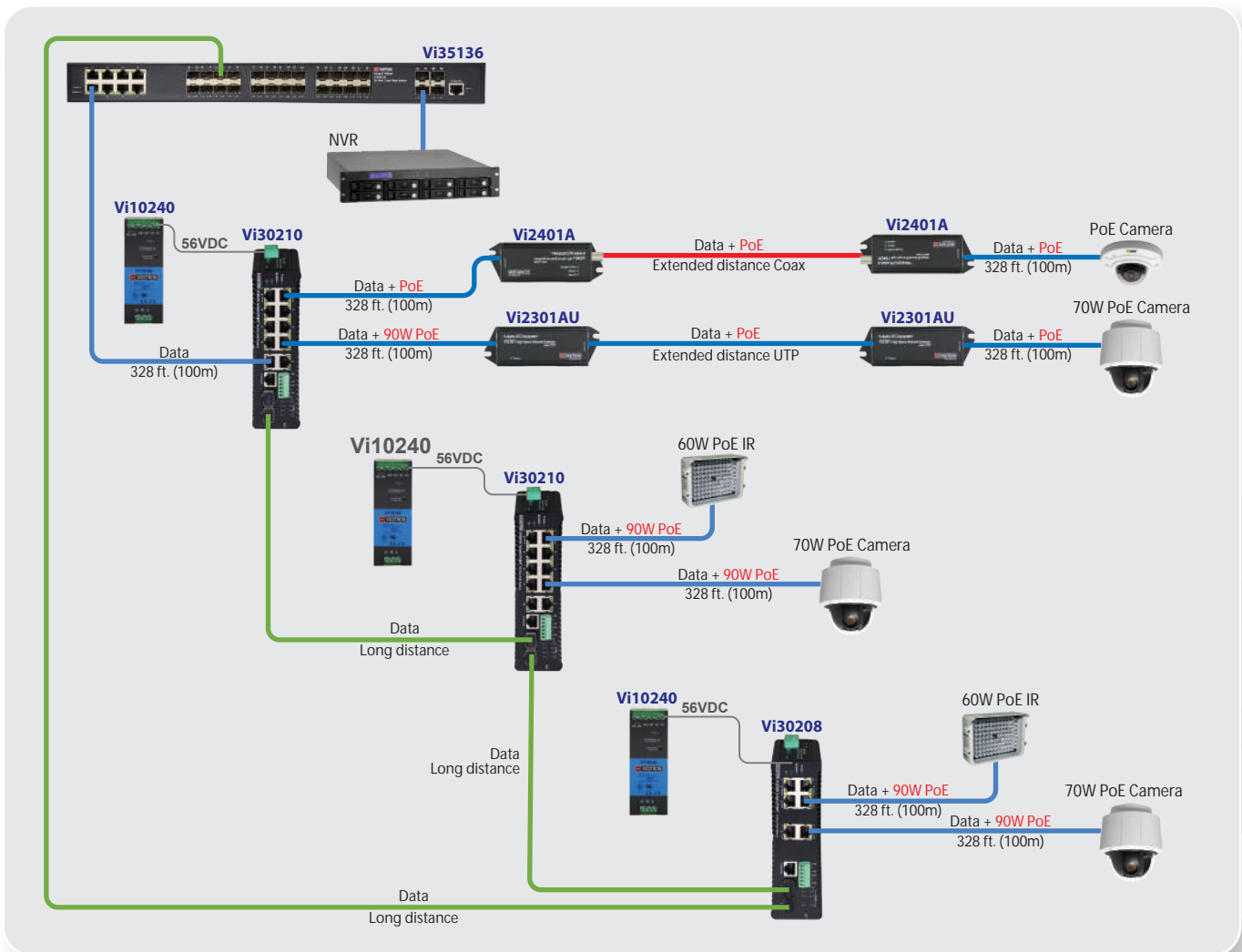


Multiple Vi30210, Vi30208 and Vi35136 can be used in a ring network configuration to increase the reliability of the network.

# HARDENED PoE SWITCHES

| Model | Ports | Uplink Ports | Function |
|-------|-------|--------------|----------|
| Vi3005 | 4 x UTP | 1 x UTP<br>1 x Fiber | **af/at 60W** PoE Powered 10/100 PoE Switch |
| Vi30005 | 4 x UTP | 1 x UTP<br>1 x Fiber | **af/at 60W** PoE Powered 10/100/1G PoE Switch |
| Vi30005W | 4 x UTP | 1 x UTP | **af/at 60W** PoE Powered 10/100/1G PoE Switch, IP67 Weatherproof |
| Vi3105 | 4 x UTP | 1 x Ext. UTP | **af/at 60W** PoE Powered 10/100 PoE Switch |
| Vi3205 | 4 x UTP | 1 x Coax | **af/at 30W** PoE Powered 10/100 PoE Switch |
| Vi3305 | 4 x Ext. UTP | 1 x UTP<br>1 x Fiber | **af/at 36W** PoE 10/100 Extended UTP PoE Switch |
| Vi3405 | 4 x Coax | 1 x UTP<br>1 x Fiber | **af/at 36W** PoE 10/100 Coax PoE Switch |

• Type tested for -30°C to +75°C operating temperature range
• Automatically reconnects after data or PoE dropped connections
• Layer 2 fixed Managed PoE switches
• Each port can provide up to 36W
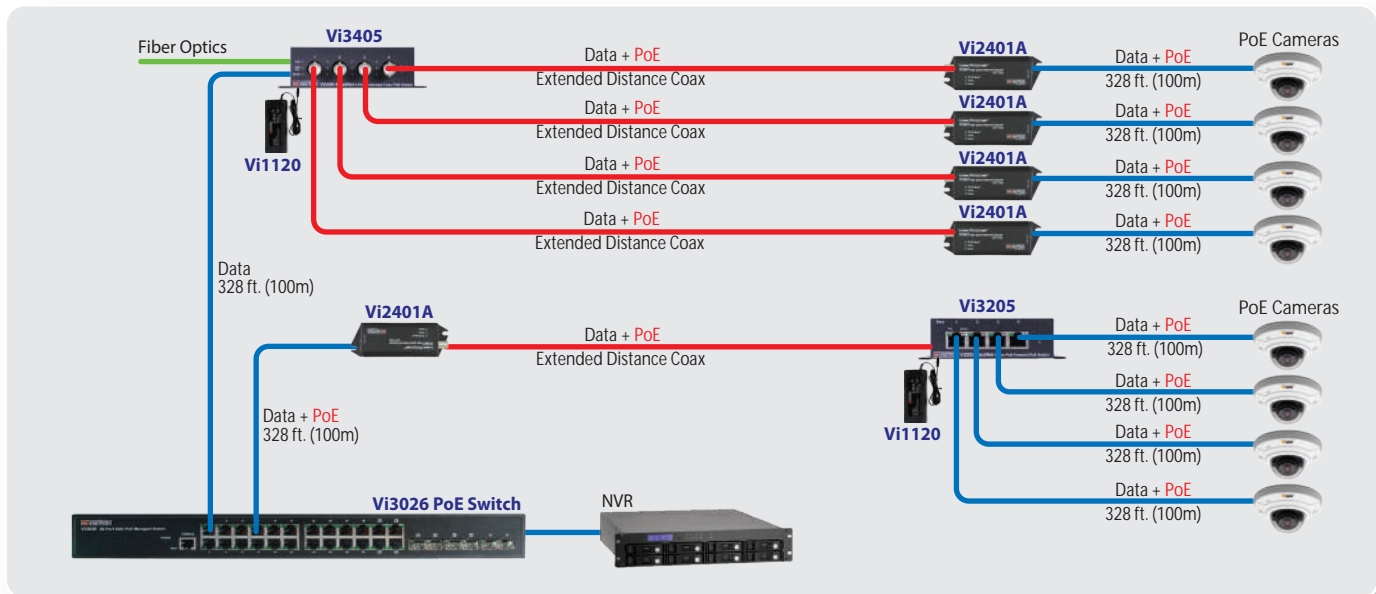
The Vigitron 5-port, layer 2, fixed management PoE switches provide flexible solutions for solving a wide variety of networking requirements.

# Max*ii*Net™
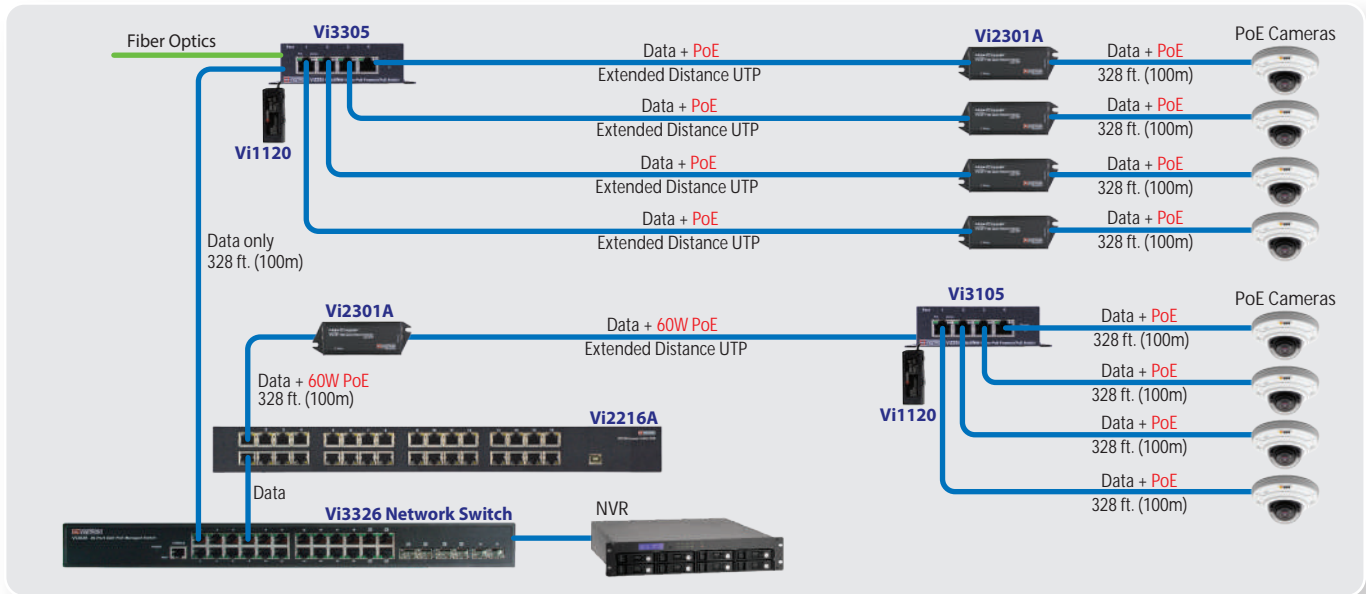
Vigitron's Vi3305 provides 4 extended UTP ports with a combination fiber and UTP uplink. The Vi3105 provides an extended UTP uplink with the ability to power both the switch and connected devices without the need for a local power supply. Each port is capable of providing up to 37W PoE depending on the input power supply.
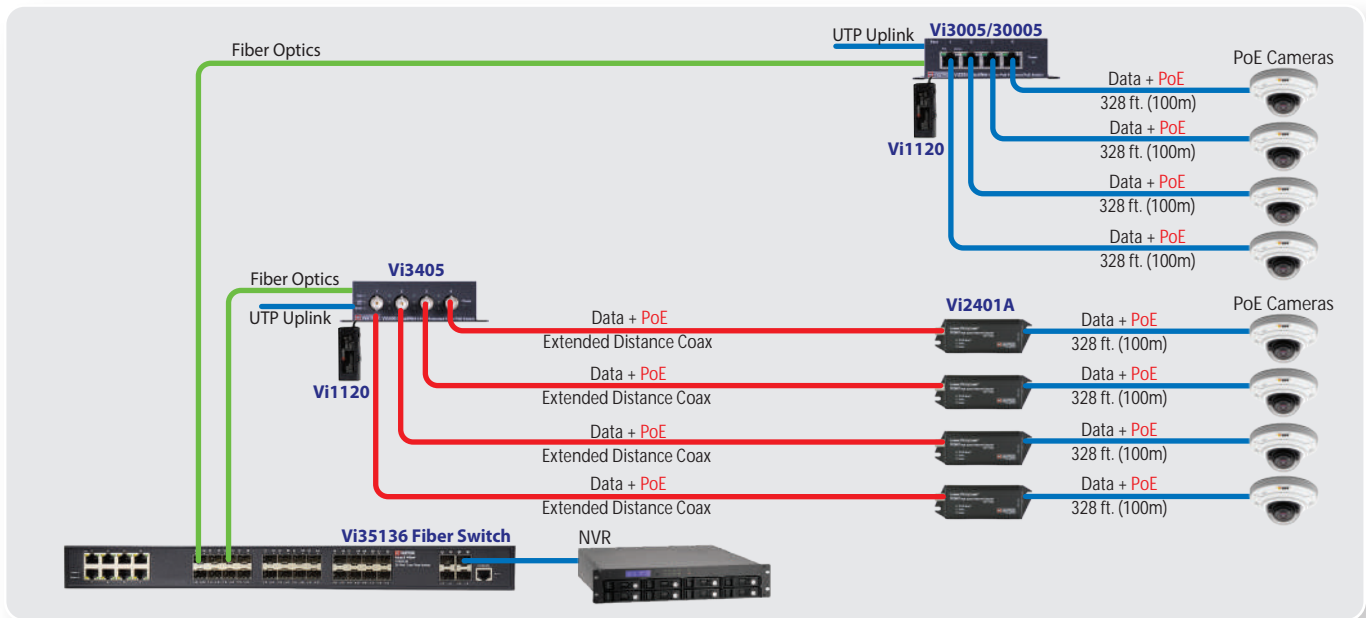


Vigitron's Vi3005 provides 4 10/100Mbps ports with PoE to connected devices. The Vi30005 provides 1000Mbps (1G) making it the perfect solution for connecting multiple network switches to minimize headend cable runs. Both Switches can be powered locally or by PoE eliminating the need for local power supply.

The Vi3405 provides a combination fiber and UTP uplink. Using Vi1120 power supply, the Vi3405 can provide up to 36W PoE per port to the Vi2401As and cameras.

All Vigitron hardened switches are capable of providing up to 36W PoE depending on the input power supply.

Max*ii*Net™

# MaxiiNet™

| Model | Ports | PoE | Function |
|-------|-------|-----|----------|
| Vi3103 | 3 x Copper | 36W | 10/100 PoE powered PoE Switch/ Drop & Insert, DC or af/at 36W PoE input |
| Vi30103 | 3 x Copper | 36W | 10/100 PoE powered PoE Switch/ Drop & Insert, DC or af/at 60W PoE input |
| Vi3003 | 3 x Copper | 36W/ 60W | 10/100/1G af/at 60W PoE powered PoE Switch / Drop&Insert |
| Vi3003WP | 3 x Copper | 36W/ 60W | 10/100/1G af/at 60W PoE powered PoE Switch / Drop&Insert, IP67 Weatherproof |
| Vi3004 | 2 x Fiber 2 x Copper | 30W/ 60W | 10/100/1G af/at 30W/60W PoE Switch / Drop&Insert, 100/240VAC Input |
| Vi3004LV | 2 x Fiber 2 x Copper | 60W | 10/100/1G af/at 60W PoE Switch / Drop&Insert, 24VDC/24VAC Input |
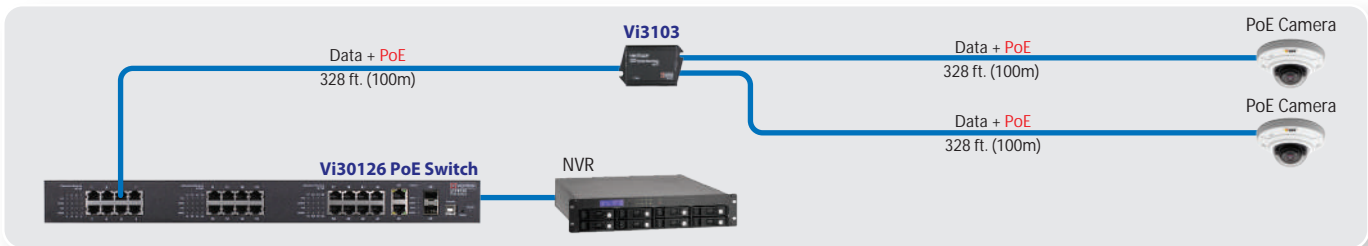


The Vi3103 is a 3-port PoE powered PoE switch that can be used to add an extra camera without new wiring or used as a drop and insert. It can be powered by PoE or a local power supply and provide up to 36W per port.



The Vi3003 enables 1G connection between network switches eliminating the need for using fiber optics.
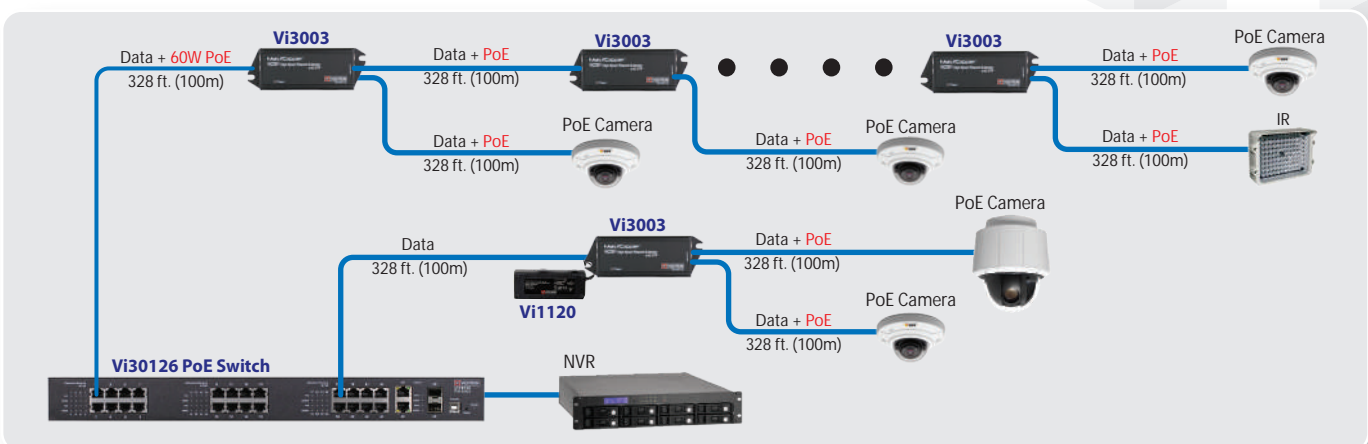


The Vi3003 is both a repeater and an L2 3-port network switch providing drop and insert capability. It can be powered by PoE or local power supply and provides up to 60W on one port and 36W on another port at 1000 Mbps. A local power supply can be used for powering 60W PTZ dome cameras.
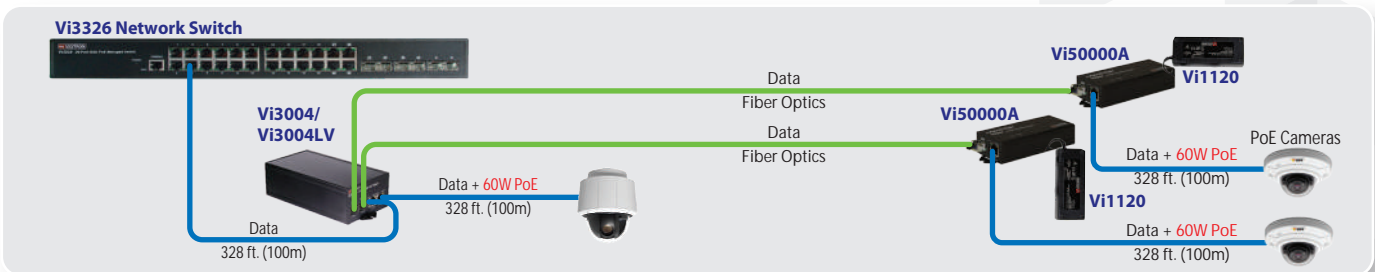
17

# MaxiiNet™

## DROP & INSERT
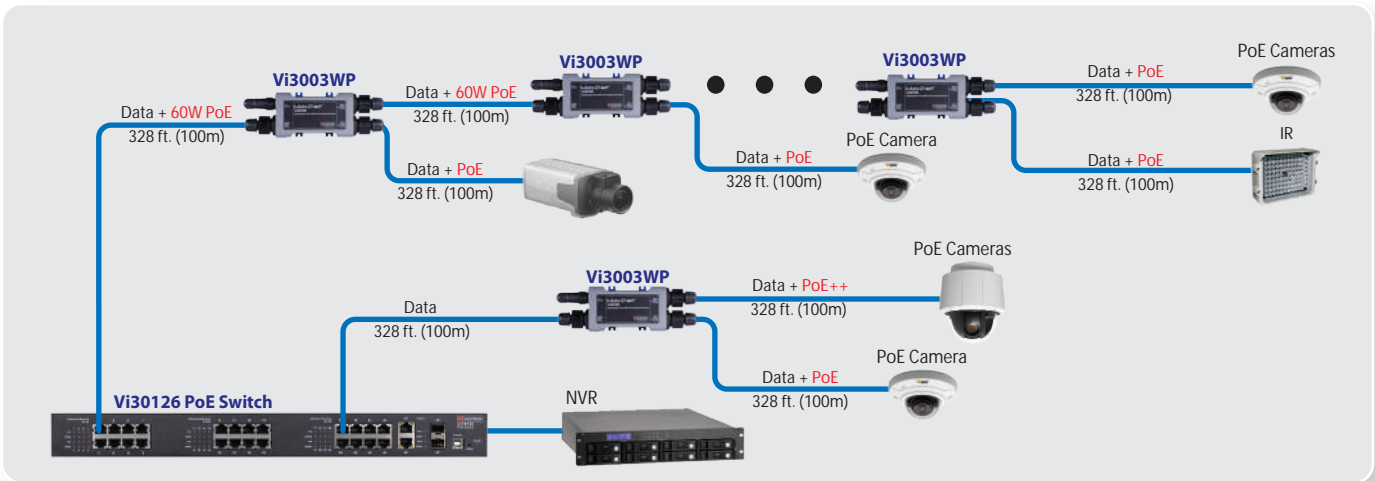


The Vi3003WP is both a repeater and L2 3-port network switch providing drop and insert capability. It can be powered locally or from a power source and provide up to 60W to one camera at network speeds of 1000 Mbps.
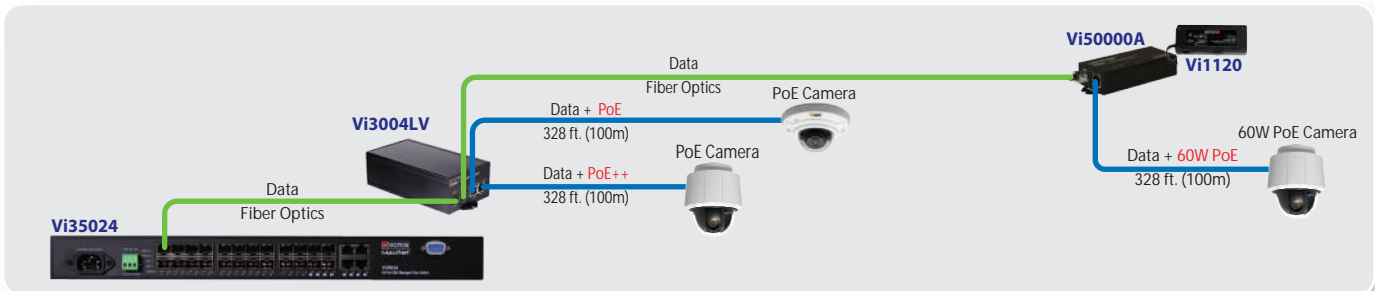


The Vi3004LV can provide up to 60W PoE to high power cameras while transmitting data at long distances over fiber optics.



With Layer 2 network capacity, the Vi3004LV can be used to connect multiple cameras over Cat 5e/Cat 6 or fiber optics cables.
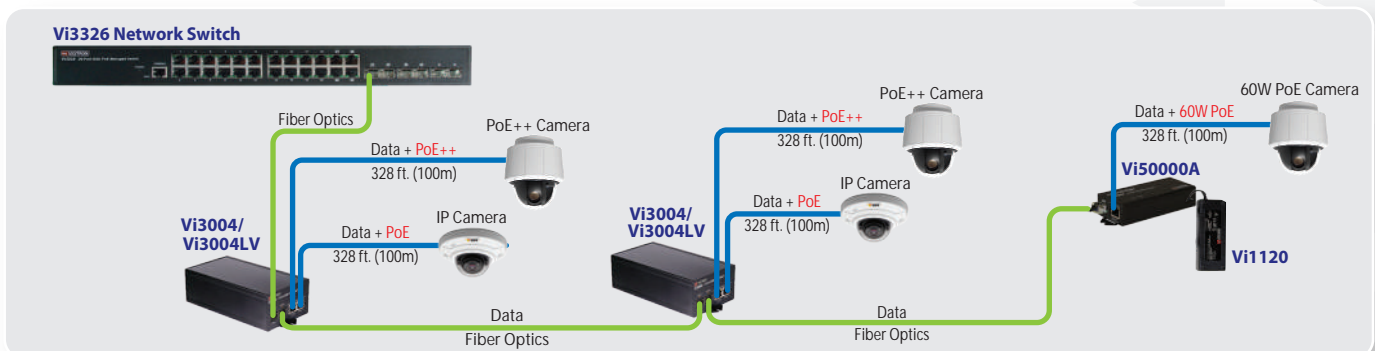


The Vi3004LV can provide up to 60W PoE on one port and 30W PoE on the second port. Their L2 network switching provide multiple drops over single cable runs and simplify installations. The Vi3004LV can use 24VDC or 24VAC power supplies.

# ETHERNET & PoE REPEATERS

| Model | Ports | Data (Mbps) | Description |
|-------|-------|-------------|-------------|
| Vi3602 | 36W | 10/100/1G | Ethernet and **af/at 36W** PoE Repeater Powered by PoE or local Power |
| Vi30602 | 90W | 10/100/1G | Ethernet and **af/at/bt 90W** PoE Repeater Powered by PoE |
| Vi3002 | 60W | 10/100 | Ethernet & **af/at 60W** PoE Repeater Powered by PoE |
| Vi30002U | 90W | 10/100 | Ethernet & **af/at/bt 90W** PoE Repeater Powered by PoE |
| Vi3002WP | 60W | 10/100 | Weatherproof Ethernet & **af/at 60W** PoE Repeater Powered by PoE |



The Vi3602 can connect 2 network switches at distances up to 656 feet (200m) at 1000Mbps.
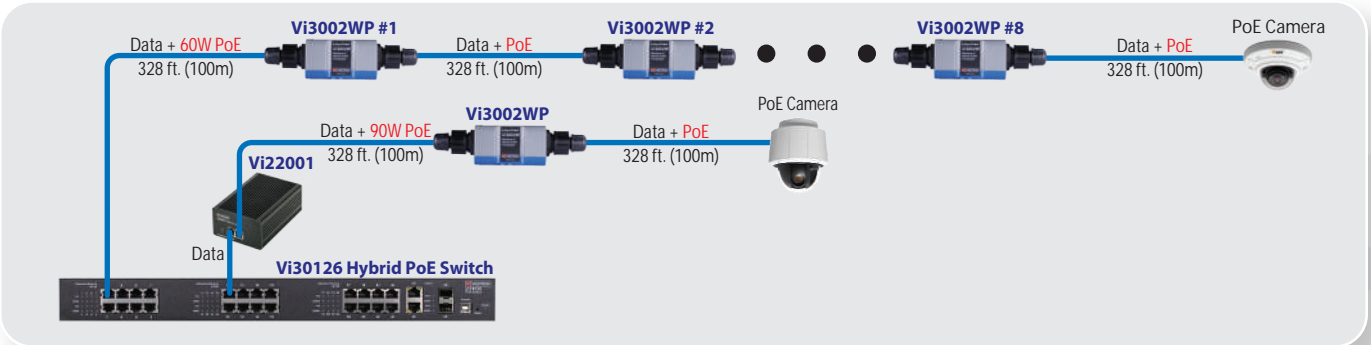


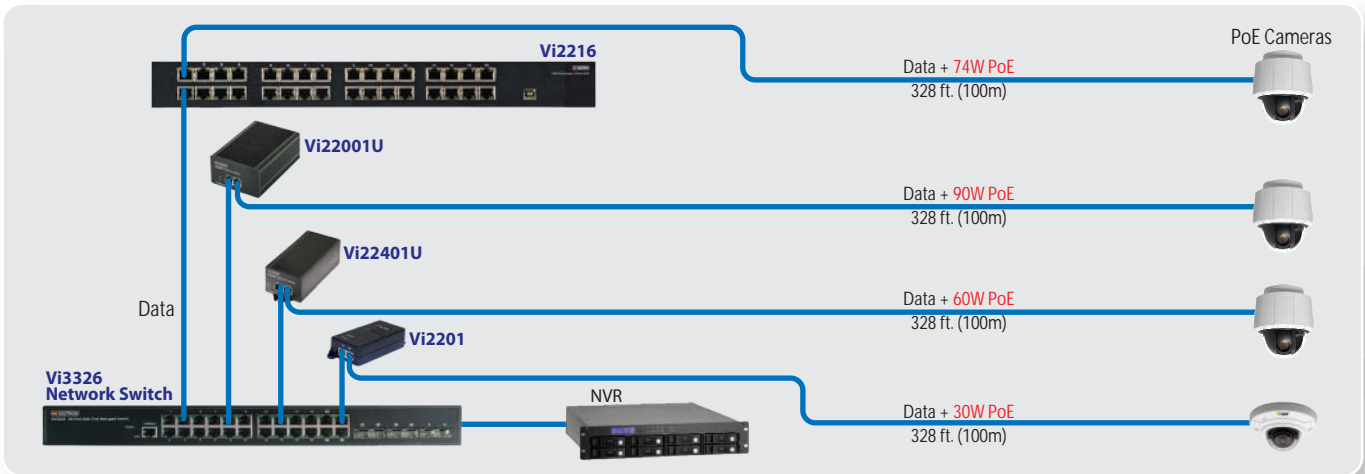The Vi3002W/Vi30002WP complies with IP67 standards eliminating the need for an extra outdoor housing. Their unique enclosure can easily be mounted to beams, buildings, or poles. Multiple Vi3002W/Vi30002WPs, up to 8 units, can be used outdoor to extend Ethernet and PoE at desired distances.
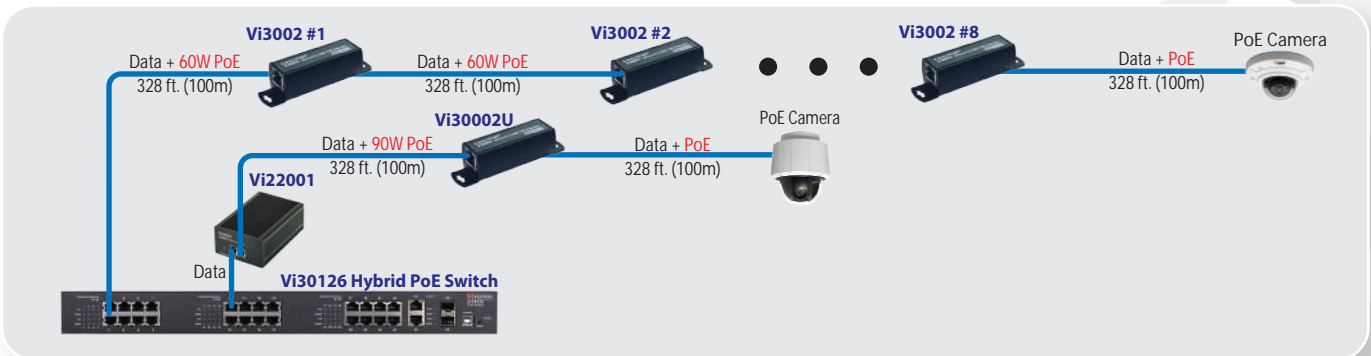


Multiple Vi3002/Vi30002Us, up to 8 units, can be cascaded to extend Ethernet and PoE at desired distances.

# MaxiiPower™

## MANAGED & UNMANAGED PoE MIDSPANS

| Model | Ports | PoE Budget | Description |
|---|---|---|---|
| Vi2201 | 1 | **30W** | Unmanaged **af/at 30W** PoE Midspan |
| Vi22401<br>Vi22401U | 1<br>1 | **60W**<br>**60W** | Unmanaged **af/at 60W** Midspan<br>IEEE 802.3.**af/at/bt 60W** Midspan |
| Vi22001<br>Vi22001U | 1<br>1 | **90W**<br>**90W** | Unmanaged **af/at 90W** Midspan<br>Unmanaged **af/at/bt 90W** Midspan |
| Vi22501 | 1 | **30W**<br>(w/ External PS) | Unmanaged **af/at 30W** PoE Midspan<br>12-54VDC Input |
| Vi22601 | 1 | **60W**<br>(w/ External PS) | Unmanaged **af/at 60W** PoE Midspan<br>12-54VDC Input |
| Vi2208A | 8 | **300W** | Managed **af/at 37/74W** Midspan |
| Vi2216A | 16 | **550W** | Managed **af/at 37/74W** Midspan |



Vi2216 — PoE Cameras — Data + 74W PoE — 328 ft. (100m)
Vi22001U — Data + 90W PoE — 328 ft. (100m)
Vi22401U — Data + 60W PoE — 328 ft. (100m)
Vi2201 — Data + 30W PoE — 328 ft. (100m)
Vi3326 Network Switch — Data — NVR

Vigitron's wide range of managed and unmanaged PoE Midspans can support virtually any size IP CCTV project requiring IEEE 802.3af to IEEE 802.3bt up to 90W PoE power.
The Vi22xx includes Vi2200 V1 management software that runs on PCs. They offer several key features including:
- Allowing the Midspans to be set up, operated and monitored remotely
- Monitor up to 400 ports from multiple Midspans
- Built in SNMP and Email notification services



Vi22601 — 12-54VDC — PoE Camera — Data + 60W PoE — 328 ft. (100m)
Vi3326 Network Switch — Data — NVR

The Vi22601 is a compact and high power Midspan with 12-54VDC input that can provide PoE up to 60W for a wide variety of high power applications.

# MaxiiPower™

## PoE SPLITTERS

| Model | Output Voltage | Output Power | Function |
|-------|----------------|--------------|----------|
| Vi22101 | 12VDC | 12.95W | IEE802.3af (12.95W) PoE Spitter with 12VDC Output |
| Vi22201 | 12/24VDC | 25W | IEE802.3af/at (25W) PoE Spitter with 12/24VDC Output |
| Vi22301 | 12/24VDC | 60W | 60W PoE Splitter with 30W 12/24VDC Output |
| Vi2701TX | 48VDC | 60W | 60W PoE and Ethernet Extender & Splitter (for Camera Side) |
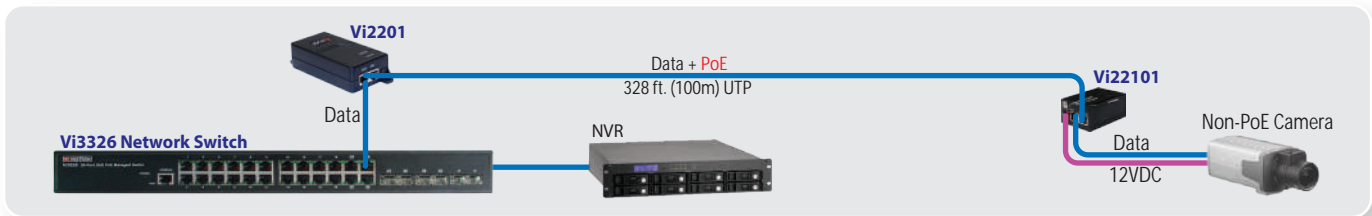


The Vi22101 is a compact and low cost PoE splitter that can provide up to 12.95W at 12VDC power to non-PoE cameras.
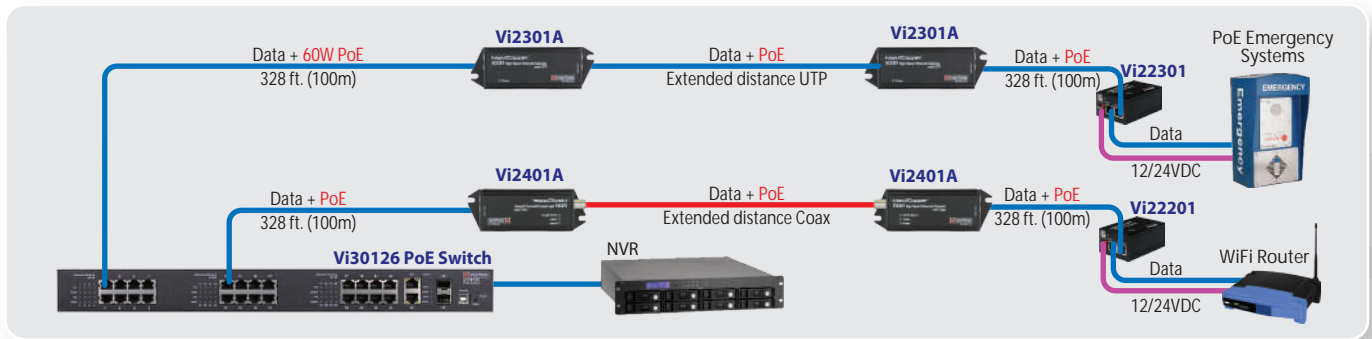


The Vi22201 and Vi22301 can be used along with Vigitron's Vi2300 or Vi2400 extender series to provide 12VDC or 24VDC at the remote locations to power non-PoE IP cameras or other IP devices requiring DC power input.
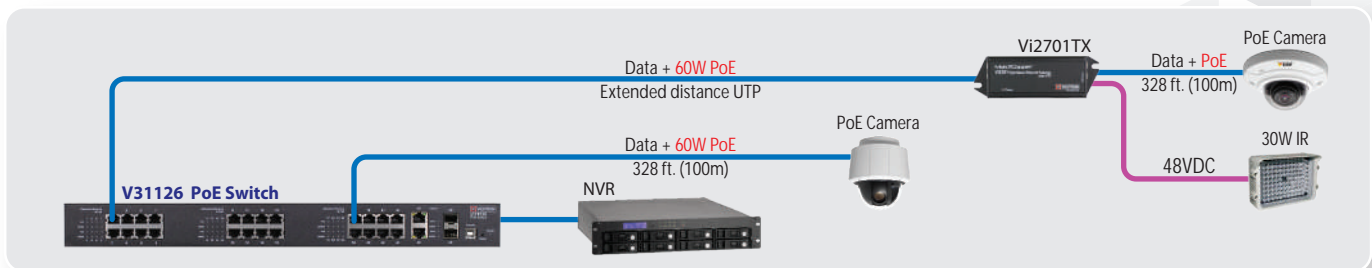


The Vi2701TX is capable of accepting 60W PoE input at long distances and eliminate the need for local power supplies. It can provide PoE output to the cameras as well as DC voltage to accessories.

# IP CAMERA INSTALLATION TOOLS

| Model | Description |
|-------|-------------|
| Vi0019 | **60W** PoE Camera Setup Tool |
| Vi0021 | **30W** wired IP Camera Setup & PoE Test Tool |
| Vi00021U | **60W** wired IP Camera Setup & PoE Test Tool |
| Vi00022 | **30W** wireless IP Camera Setup & PoE Test Tool |

## MaxiiView™

Data + PoE

Vi00022

Data + PoE or PoE only

PoE Switch
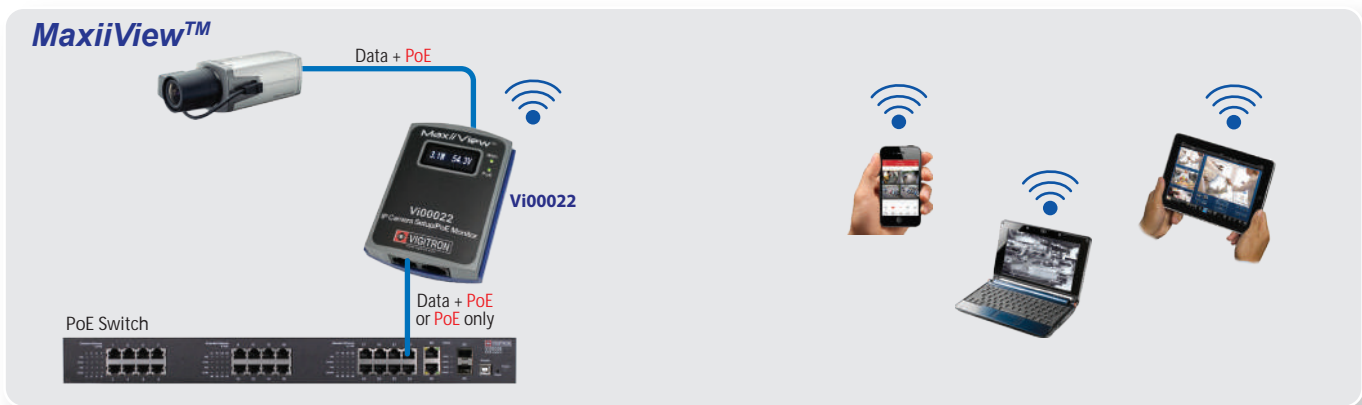
The Vi00022 is a wireless and wired PoE camera set up tool that provides PoE from a network to the camera while transmitting the video stream from the camera to WiFi devices. It enables the installer to view the camera image on a wide variety of wireless devices and set up the camera. It displays PoE voltage and power to the camera on its digital display. It can be used to troubleshoot PoE output power and cable connections and save valuable installation time by pinpointing the specific problem areas. The Vi00022 uses PoE and does not require a separate power supply.

## ViewMate™

Vi30126

30W PoE
328 ft. (100m)

ViewMate™
**Vi0021**

PoE Camera

Data + PoE

Data

The Vi0021 is a wired PoE camera set up tool that provides PoE from a network to the camera while directing the video stream from the camera to a laptop. It enables the installer to view the image and set up the camera. It displays PoE voltage and power to the camera on its digital display. It can be used to troubleshoot PoE output power and cable connections and save valuable installation time by identifying the specific problem areas. The Vi0019, Vi0021, Vi00021U, Vi00022 uses PoE and do not require a separate power supply.

## ViewMate™

Vi30126

60W PoE
328 ft. (100m)

Data + PoE

Vi0019

Data
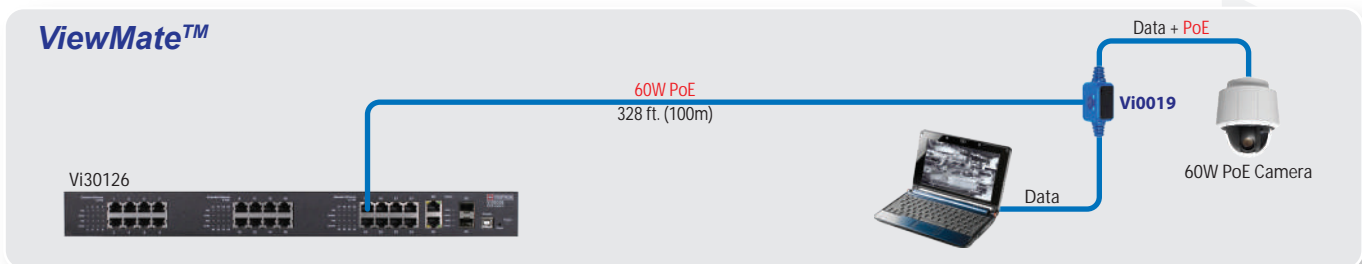
60W PoE Camera

The Vi0019 is a wired PoE camera set up tool that provides PoE from a network to the camera while directing the video stream from the camera to a laptop. It enables the installer to see the image and set up the camera. It can pass through up to 60W PoE and also provides LED indicators that show the status of PoE. The Vi0019 uses PoE and does not require a separate power supply.

# MaxiiView™

| Model | Description |
|-------|-------------|
| Vi00023 | Wireless IP Camera Installation Tool w/ Removable PoE Power Bank |
| Vi00023L | Wireless IP Camera Installation Tool w/ PoE Power Bank |
| Vi00024 | PoE Maximum Load Meter af/at/bt & UpoE Compatible w/ Voltage & Power Monitor |
| Vi00027 | PoE Type Test Tool |

## Maxii View™

Data + PoE

**Vi00023**

Data only

PoE Switch
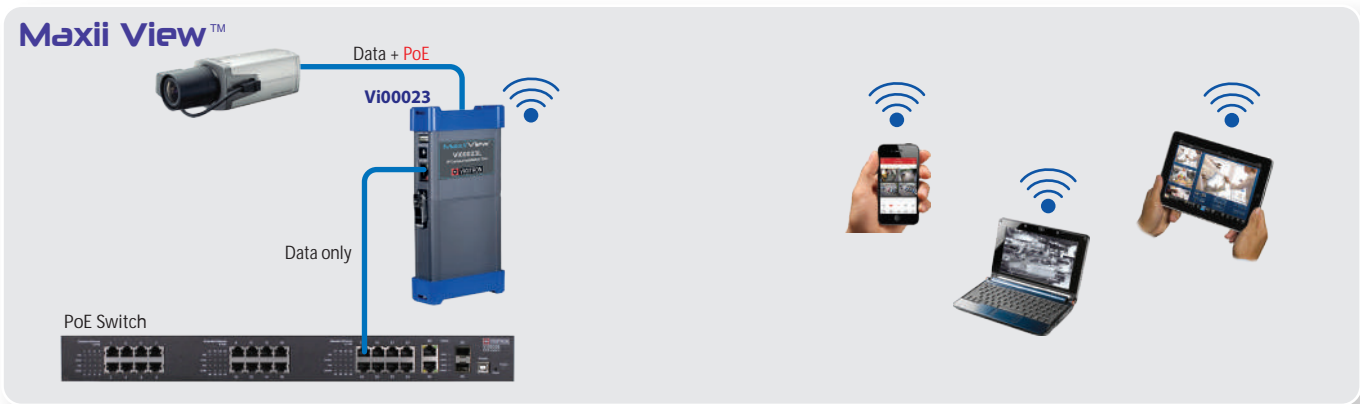
Vigitron's patent pending Vi00023/Vi00023L wireless camera installation tools offer a fast and reliable method for focusing and adjusting the view of IP cameras in the field. The connected IP camera image is transmitted through both WiFi and wired connection allowing for quick in-field view of image on cell phones, tablets or laptops. They provide PoE to connected IP cameras and display PoE voltage and power consumed by the camera. They are very compact, light and can easily fit in a pocket. The Vi00023 provides a removable power bank.
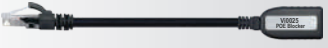
## Maxii View™

**Vi00023L**

PoE Camera

Data
328 ft. (100m)

Data + PoE

PoE Switch

Data

The Vi00023/Vi00023L, in addition to WiFi connection, can provide wired connection between IP cameras and laptops. They provide PoE power to the camera and transmit camera image to the laptop.

## PowerMate™

Vi30126
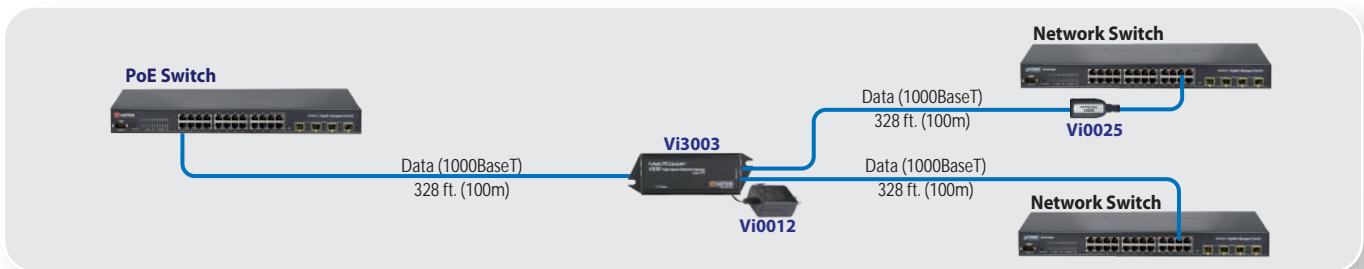
**Vi00024**

60W PoE
328 ft. (100m)
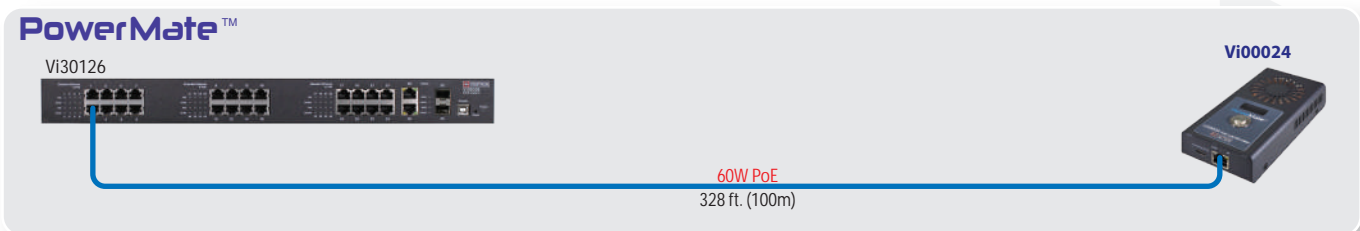
The Vi00024 simulates a PoE powered device and measures the maximum available PoE at any point of a networks before installing a camera. It is compliant with IEEE 802.3af/at/bt standard up to 74W. The Vi00024 operates in both Manual and Auto mode. In manual mode the user can manually increase the PoE consumption of the Vi00024 until it reaches the maximum available PoE. In the auto mode, the Vi00024 with the push one bottom can measure maximum available PoE in a few seconds.

# MaxiiPower™

## PoE Accessories

| Model | Description |
|-------|-------------|
| Vi0024 | PoE Enabler to power extenders when using with non-PoE devices |
| Vi0025 | Blocks PoE power to Connected IP Devices |
| Vi00026 | PoE Class changer |
| Vi00104 | PoE Booster |
| Vi00103 | NetMux™ Ethernet & PoE Port Multiplexer |
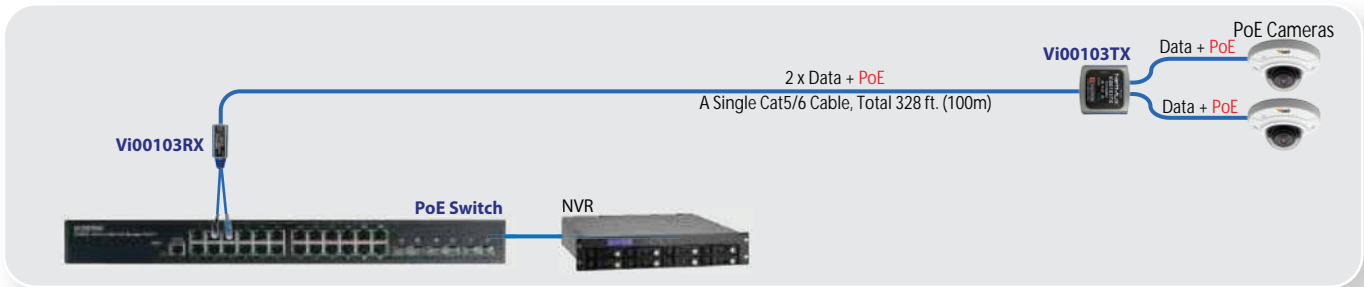


The Vi00103 can transmit 2 IP streams and PoE over a single Cat5e/6.



The Vi0025 blocks PoE when "Always On" PoE ports are connected to non-PoE ports.
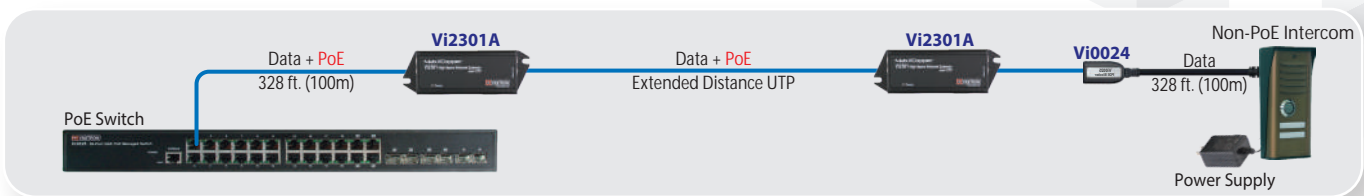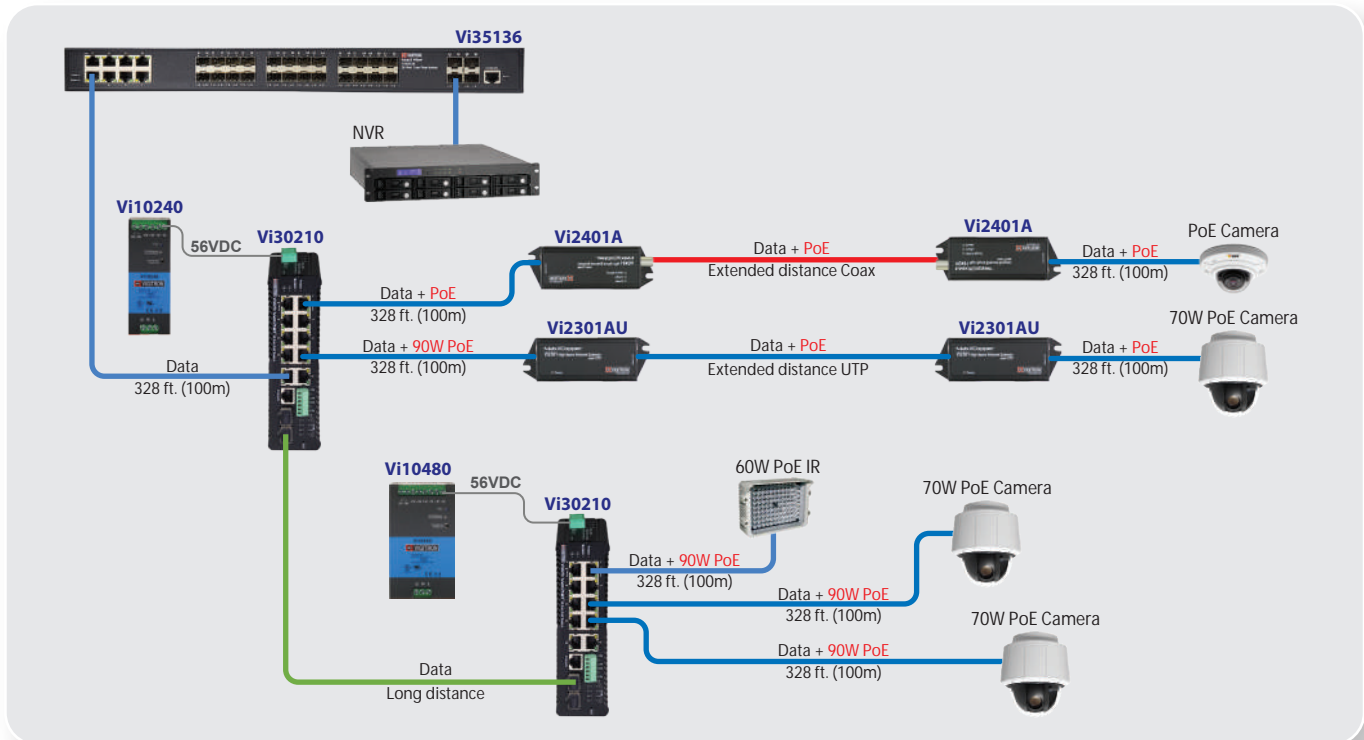


The Vi0024 enables PoE to Ethernet extenders when using with non-PoE devices.
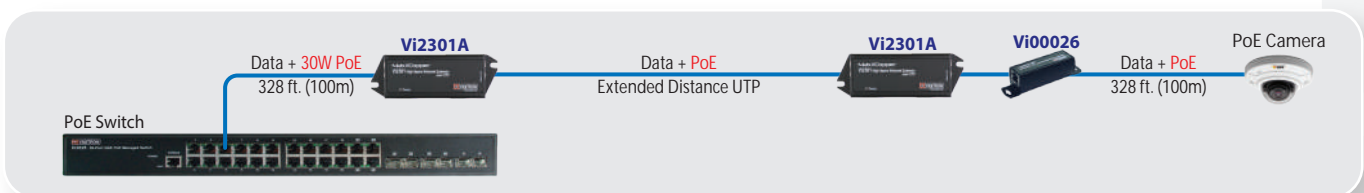


The Vi00026 requests maximum IEEE 802.3at, at 30W from the PoE source regardless of the connected PoE load power request level. It makes it possible to force the PoE source to provide extra power when the system is using extenders at long distances.

# MaxiiPower™

| Model | Description |
|-------|-------------|
| Vi0012 | 12VDC, 12W  Wall-Mount Power Supply |
| Vi0014 | 12VDC, 36W  Wall-Mount Power Supply |
| Vi0017 | 48VDC, 40W  Desktop Power Supply |
| Vi1120 | 56VDC, 120W Desktop Power Supply |
| Vi10120* | 56VDC, 120W Din-Rail, Hardened Power Supply |
| Vi10240* | 56VDC, 240W Din-Rail, Hardened Power Supply |
| Vi10480* | 56VDC, 480W Din-Rail, Hardened Power Supply |



Vi35136 — NVR

Vi10240 — 56VDC — Vi30210

Data + PoE 328 ft. (100m)

Vi2401A — Data + PoE Extended distance Coax — Vi2401A — Data + PoE 328 ft. (100m) — PoE Camera

Data + 90W PoE 328 ft. (100m)

Vi2301AU — Data + PoE Extended distance UTP — Vi2301AU — Data + PoE 328 ft. (100m) — 70W PoE Camera

Data 328 ft. (100m)

Vi10480 — 56VDC — Vi30210

60W PoE IR

70W PoE Camera

Data + 90W PoE 328 ft. (100m)

Data + 90W PoE 328 ft. (100m)

70W PoE Camera

Data Long distance

Data + 90W PoE 328 ft. (100m)

70W PoE Camera

The Vi10120, Vi10240 and Vi10480 can be used to power high PoE devices.

# SURGE PROTECTORS
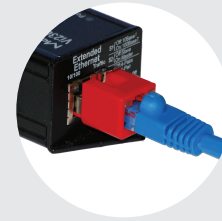
| Model | Description |
|-------|-------------|
| Vi2001 | Standard/Extended Ethernet Port Surge Protector |



**Network Switch**

**IP Camera**

**60W PoE Extender**

The Vi2001 is an in-line surge protector providing up to 15KV in free space and 8KV contact to ground protection. It is compact and does not require a separate ground wire.

## MOUNTING ADAPTERS

| Model | Description |
| --- | --- |
| Vi00100 | Din Rail Mount for Vi1120 |
| Vi00101 | Din Rail Mount for Vi3005, Vi3105, Vi3205 5-port Switches |
| Vi00102 | Din Rail Mount for Vi30005, Vi3305, Vi3405 5-port Switches |
| Vi5000B | Fiber Media convertor blank panel |
| Vi5000R | Fiber Media convertor Rack Mounting Kit |

The Vigitron Mounting adapters enables products be rack mounted or DIN Rail mounted.

# Net Observer™

## NETWORK HEATLH MONITORING APPLICATION

NetObserver™ is a Windows™ based health monitoring database software. It receives status messages from up to 240,000 connected devices using SNMP, TCP, UDP and Syslog resulting in an almost universal interface.
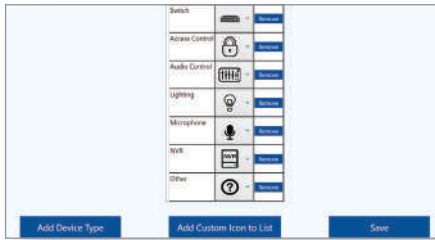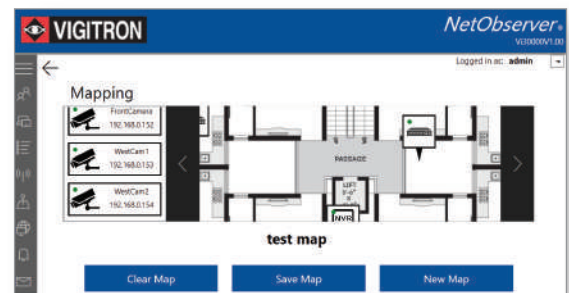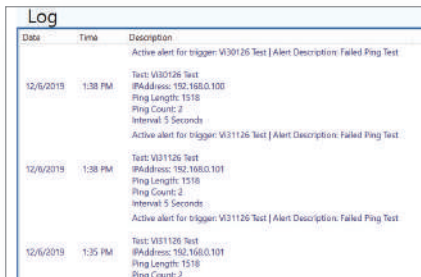


● Icons can be used to note types of devices and custom icons can be loaded. Operator can create custom names and messaging.
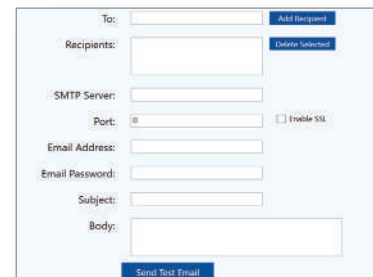


**Net Observer™**
**Vi3000  V1**
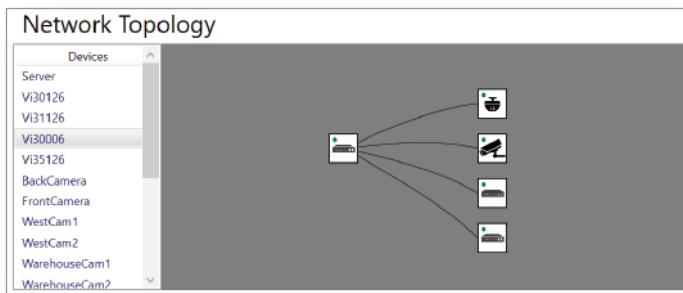


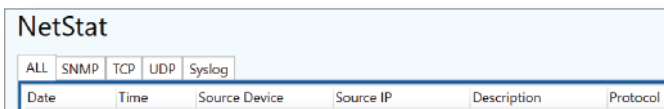● Topographical maps can be created to show connections and status of individual devices.



● Maps can be uploaded with devices positioned showing operating status.



● Custom filtering creates logs which can be further filtered and downloaded as .CSV and .TXT files.



● A built in email generator sends operator customized alerts via public and private emails.



● Messaging, names can be customized to notify operators to a variety of network alerts and status helping to decrease troubleshooting time and maintaining network operations.

**Please visit Vigitron's website at www.vigitron.com to see all NetObserver's features and download a Free Run version.**

## NETWORK HEATLH MONITORING APPLICATION

NeTester™ is a Windows™ based tool for evaluating networks prior to installation, to determine if it meets the performance requirement for its application. After installation is completed, a complete report can be provided to both dealers and customers in three different formats. In the event after installation service is required installation reports can be combined to service call status helping to easily pinpointing and solving problems.

**NeTester™**
**Vi30001 V1**



Create custom reports documenting installations and service calls



Discover connected network devices by scanning a range of IP address and automatically assigning them to device library for further testing.



Confirm transmission by viewing video and incorporating images into reports.

**Please visit Vigitron's website at www.vigitron.com to see all NeTester's features and download a Free Run version.**

# SysCap™

The SysCap™ is Syslog information capture program that captures information from devices with Syslog capability which is found in almost every managed network switch. Captured information is displayed in a log which can be saved to Clip Board, Excel or Word programs. The SysCap™ can run in a minimized mode to alert operations of problems when they occur.
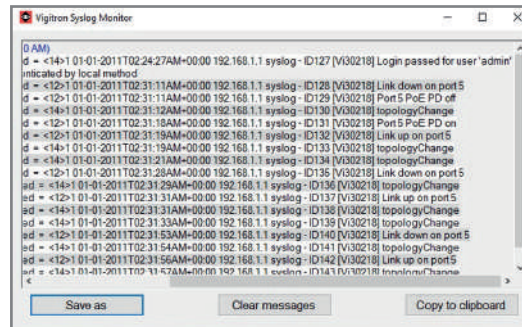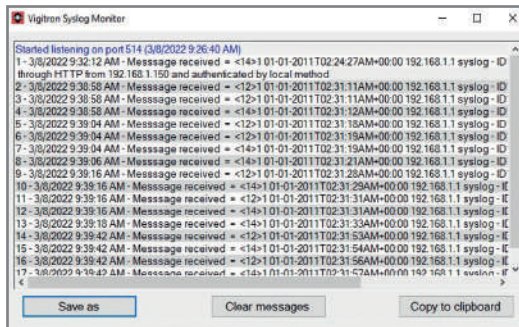
**SysCap™**
*Vi30012 V1*
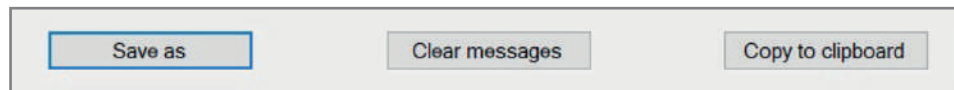


The SysCap™ interfaces with any managed network device capable of transmitting System Logs (Syslogs). It is easy to set up and universal in its transmission.



Syslog records complete log which can saved in various format or copy to a computer clipboard





The SysCap™ can operate in the minimized background mode along with other Windows™ based.

The SysCap™ is a free utility program. Please contact support@vigitron.com or your local Vigitron representatives for more information.

## Why choose Vigitron?

• Over 25 years of design and manufacturing products for security applications
• Full range of networking products for any size project
• Free and without obligation professional Design Services
• Industry's longest warranty, production life time plus 3 years
• All product specifications are supported by certified testing
• Products are designed and made with USA quality

## Solutions for all your CCTV Transmission applications

### Max*ii*Copper™
    ● COAX ETHERNET EXTENDERS
    ● UTP ETHERNET EXTENDERS

### Max*ii*Fiber™
    ● FIBER MEDIA CONVERTERS
    ● MANAGED FIBER SWITCHES

### Max*ii* Power™
    ● POE SPLITTERS
    ● POE MIDSPANS

### Max*ii*View™
### Power Mate™
    ● IP CAMERA INSTALLATION TOOLS

### Max*ii*Guard™
    ● SURGE PROTECTORS

●●●● and many more ...

### Omn*ii*Copper™
    ● SINGLE PAIR ETHERNET & PoE EXTENDERS

### Max*ii*Net™
    ● MANAGED HYBRID POE SWITCHES
    ● MANAGED PoE SWITCHES
    ● MANAGED HARDENED PoE SWITCHES
    ● HARDENED PoE SWITCHES
    ● ETHERNET & PoE REPEATERS

### Net Observer™
### NeTester™
    ● NETWORK HEATLH MONITORING
      APPLICATIONs

### SysCap™
    ● SYSLOG INFORMATION CAPTURE
      APPLICATION

## VIGITRON
INNOVATIVE NETWORKING SOLUTIONS™