



inches
(millimeters)

Description

The **VR148UTP** allows Ethernet networks to communicate over an existing UTP or phone cable for distances up to 1 mile (1,600 meters). In addition the transmitter converts 24VAC/VDC to PoE for installation of an IP camera or other networks devices.

The **VR148UTP** consists of a transmitter and receiver set which requires very little installation time and absolutely no set up or configuration. Installation requires simply connecting the wire pair at each end of the existing UTP cable to the transmitter and receiver of the **VR148UTP**. Once powered up the transmitter will produce PoE for its connected device. The receiver instantly connects to the transmitter and begins operating as a full-duplex 100Base-TX Ethernet conduit. The **VR148UTP** is completely transparent to the network; it has no IP or MAC addresses and does not require any additional setup or programming. Connect your network devices by plugging their RJ45 connectors into the network port of the transmitter and receiver. LEDs on the devices indicate the presence of power, transmission link and network signals for easy troubleshooting.

The **VR148UTP** extends network communications to overcome cable distance limitations offering connections to devices in locations traditional networking does not allow. The **VR148UTP** will auto-negotiate bandwidth to compensate for wire attenuation and losses that occur from wire length, signal noise and interference. (Please refer to cable distance and bandwidth charts for further review).

The units are constructed of industrial grade RoHS compliant plated steel which is finished with a heat resistant powder coat paint making them very durable. They are designed to mount within the camera housing, in an equipment enclosure or simply wall mount the unit using the included mounting kit. For installation of several receiver units the RK124 rack mount kit allows for centralized power of the receiver units while maintaining an orderly installation.

Features

- Transmits high speed Ethernet over legacy UTP cable
- Transmits up to distances of 1 mile (1,600 meters)
- Transmitter converts 24VAC/VDC to IEEE 802.3af compliant PoE
- Supports mega-pixel cameras
- Supports multi-camera installations
- Fully transparent to the network
- Supports any network device, including IP cameras
- Dual stage surge protection
- Easy to install, no set up required
- No MAC or IP addressing required
- LED indicators for network signals, link status and power
- Rack-mount kit available for head-end



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TECHNICAL SPECIFICATION

Network Transmission Device

Network Connection	RJ45 Connector
Coax Connection	RJ11 Connector
Power	24 VAC/VDC Class II power supply
PoE Output	10 watts
Network Rate	10/100 Ethernet
Shipping Weight	3 lbs

