

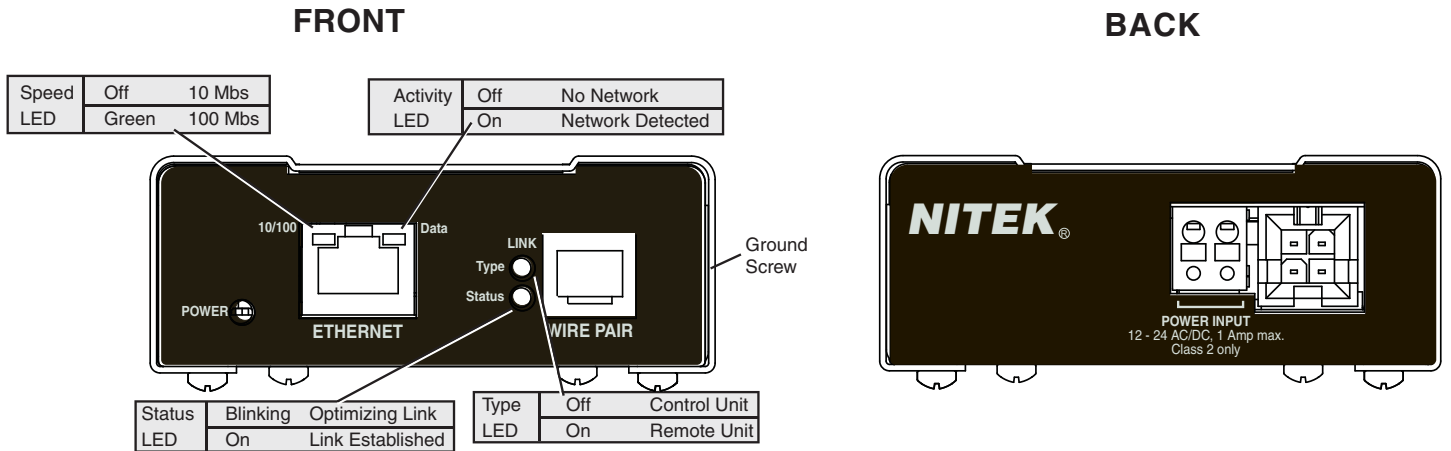
Model VR124UTP

UTP Video Router

Installation and Operation Manual

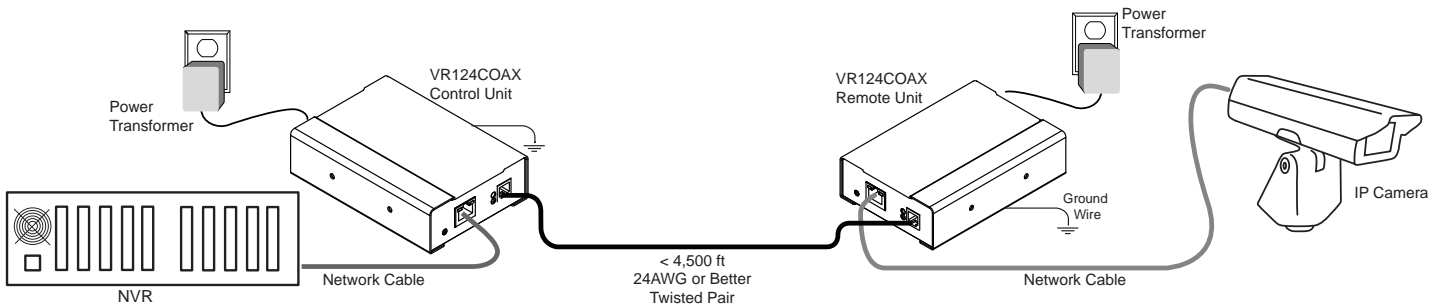
Introduction

The VR124UTP Video Router is designed to greatly extend the distances that IP Cameras can operate. The VR124UTP Video Router consists of two units, a Control Unit and a Remote Unit. The Control Unit is installed at the NVR/ IP Equipment side and the Remote Unit at the IP Camera side of the installation



Note: A sticker on the bottom of each unit identifies whether it is the Control Unit or the Remote Unit.

VR124UTP Video Router Installation Drawing



Install Network to VR124UTP and IP Cameras

The Network runs should be wired to T568B standard. Use best industry practices and follow all local building codes. Connect a Network cable from the security room or IP network equipment to the Control Unit. Connect a twisted pair cable between the Control Unit and the Remote Unit. Connect a Network cable from the Remote Unit's Ethernet jack to the IP Camera. On each unit attach an 18AWG or better wire from the side Ground Screw to a good earth ground. Connect a Power Transformer to the Push Connectors on the VR124COAX Control Unit and the VR124COAX Remote Unit. Follow the camera instructions on how to setup the camera.

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Normal Operation

When Power is applied to both units the Network LED's will come on and the Link Status LED will blink for about 30 seconds as the link is being optimized. When the link is stable the Link Status LED will remain "ON". The Data LED will blink with network activity.

Specifications

Power Requirements: 12 to 24 VAC or DC Class 2 power supply rated to supply 12 watts or higher.

UTP Cable Performance: Up to 4500ft of 24 AWG twisted pair.

Connections: Network Connector, RJ45: Link Connector, RJ45: Power Connection, Push button

Troubleshooting

After completing installation, if the units are not operating properly, check each step at each unit in order.

- 1) If the Power LED is off verify the unit's power connections and verify that the power source is on an active circuit.
- 2) If the Link Status LED does not stop blinking, verify that the twisted pair cable has been properly installed and make sure Control unit's Link Type LED is "ON" and that Remote unit's Link Type LED is "OFF".
- 3) If either Network LED is "OFF" verify you have power to the camera and good connections to the RJ45 connectors.
- 4) If both the Network LED's are "ON" and the Link Status LED is "ON" and there is no picture, verify camera IP address and monitoring IP address are proper and refresh the monitor. Directly attach the camera through a short patch cable directly to NVR/IP network verify that camera and monitor program are properly functioning.