EL1551U

Ethernet Extender

02092015

PRODUCT SPECIFICATION

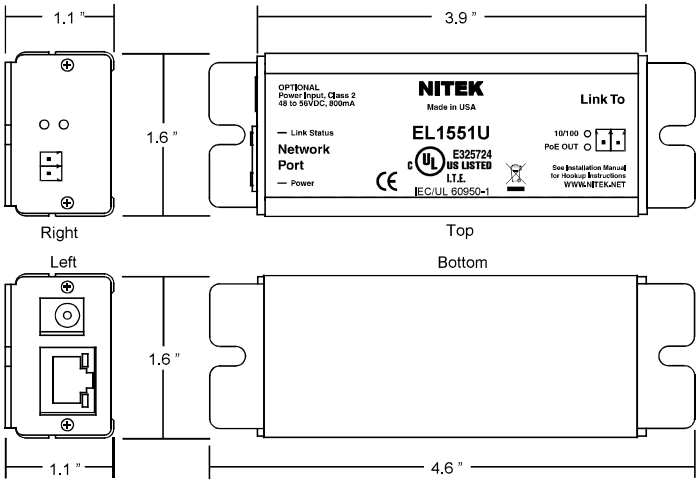
Description

The **EL1551U** is another component of the NITEK cutting edge **EtherStretch** line. This Environmentally Hardened **Etherstretch EL1551U** solution extends 100Mbps of Ethernet communication over any ordinary pair of communication wires, UTP or any 2 conductor cables to transmit data from IP cameras and other network devices for distances up to 300 meters or 1,000 feet.

The **EL1551U** is a system containing a transmitter and a receiver unit that requires very little installation time and absolutely no set up or configuration. The system can quickly turn a pair of wires into a high speed network communication path.

The **EL1551U** is transparent to the network thus requiring no IP or MAC addressing. Simply connect your network devices to the networking ports of the transmitter and receiver along with existing cabling and the system begins communicating. The receiver **ER1551U** is provides power for the **ET1551U**, without the need for an external power supply. The **ET1551U** can also be powered directly to provide 802.3at 25.5 watts to the camera. LED indicators display the status and speed of network communications.

The NITEK **EL1551U** is ideal for upgrading an analog UTP video surveillance system to an IP system without replacing or even disturbing the cable infrastructure.



Features

- Environmentally hardened – meets NEMA TS-1/TS-2
- Transmits up to distances of 300 meters (1,000 feet)
- Supports mega-pixel technology
- Fully transparent to the network
- Upgrades systems from analog to IP cameras
- Supports 10/100 over Twisted Pair cables
- Easy to install, no set up required
- No MAC or IP addressing required
- LED indicators for network signals, link status and power
- Optional power supply can insert PoE power for non-PoE switches
- Ground loop isolation

Made in the U.S.A.

E325724 US LISTED I.T.E.
IEC/UL 60950-1

RoHS COMPLIANT 2002/95/EC

MADE IN U. S. A.

NITEK®

USA
5410 Newport Drive, # 24
Rolling Meadows, IL 60008
Phone: (847) 259-8900
Fax: (847) 259-1300
E-mail: info@nitek.net
WWW.NITEK.NET

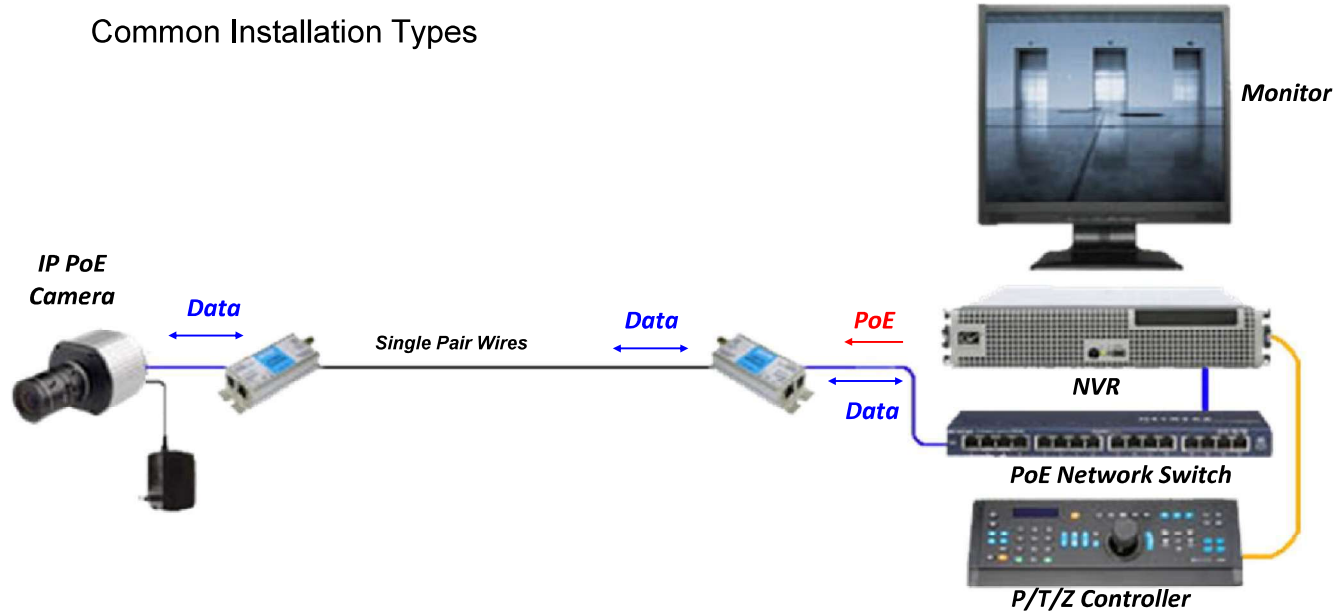
EUROPE
De Aar 99
8253 PN Dronten
The Netherlands
Tel: +31(0) 321 310 043
E-mail: info@nitekeurope.net
WWW.NITEK.NET

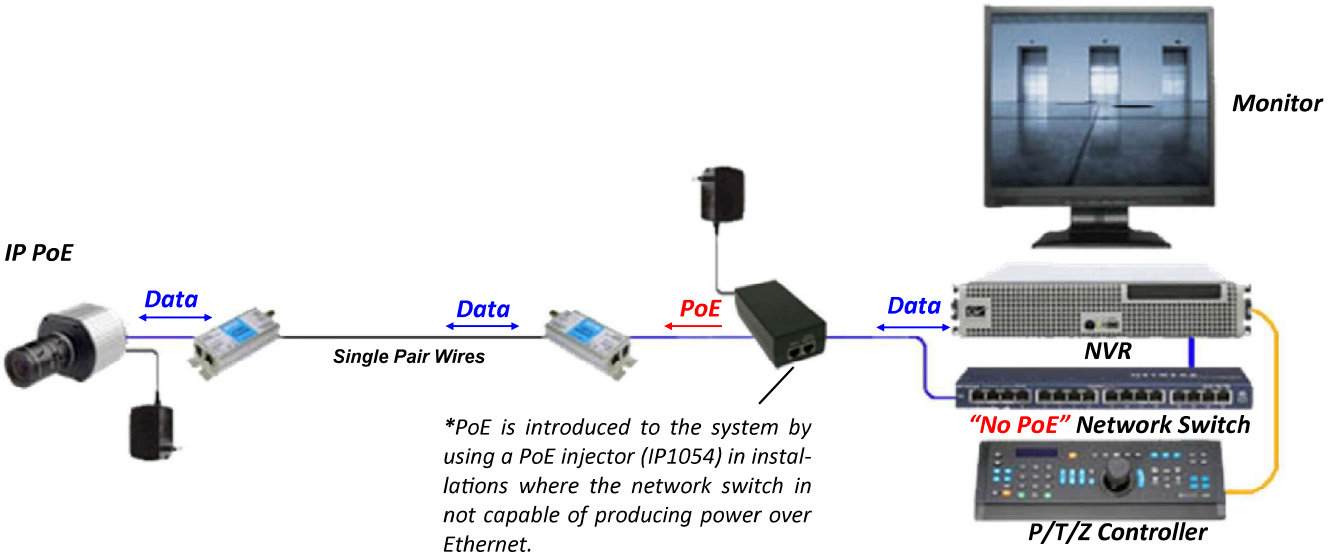
TECHNICAL SPECIFICATION

Network Transmission Device

Network Port	RJ45 Connector
Link Port	Screw Terminal
Ethernet	10/100Mb Full Duplex
UTP Cable Specifications	
DC Loop Resistance	51 Ohms/1000 feet (max) (51 Ohms/304 meters)
Normal Capacitance	17pF/ft.
Impedance	100 Ohms +/- 20%
UTP Category	2 or better
Rating/Listing	
UL	IEC/UL 60950-1
NEMA TS-2	Temperature & Humidity NEMA 2.2.7 Mechanical Vibration NEMA 2.2.8 Mechanical Shock NEMA 2.2.9 Operating Voltage NEMA 2.1.2 Operating Frequency NEMA 2.1.3 Transient Test NEMA 2.1.6 thru 2.1.8
System Latency	<1mS over 1000ft CAT 5e
Operating Temperature	-40° to 75° C / -40° to 167° F
Dimensions	1.1" x 1.6" x 4.6" including tabs
Shipping Dimensions	8" x 5" x 2"
Shipping Weight	2 lbs

Common Installation Types





*PoE is introduced to the system by using a PoE injector (IP1054) in installations where the network switch in not capable of producing power over Ethernet.