ET1551U

Ethernet Extender

02092015

PRODUCT SPECIFICATION

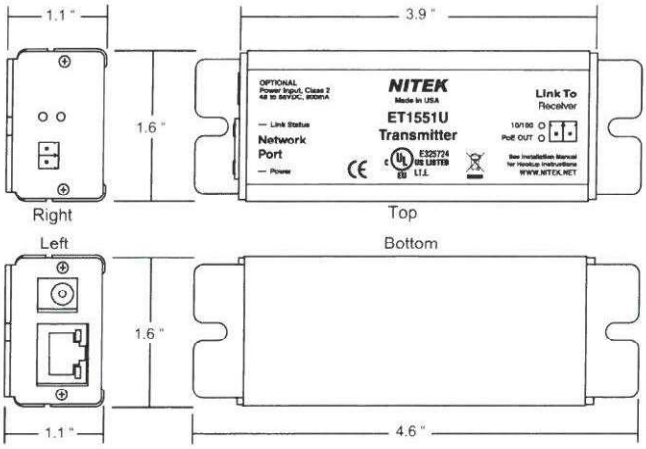
Description

The **ET1551U** is another component of the NITEK cutting edge **EtherStretch** line. This Environmentally Hardened **Etherstretch** solution allows for the utilization of existing UTP cable infrastructure to transmit data from IP cameras and other network devices. The system can extend Ethernet up to 300m or 1000ft of category cable making the **ET1551U** ideal for retrofitting and non-traditional installations.

The **ET1551U** is a transmitter that works in conjunction with a multi-port receiver unit. The **ET1551U** requires very little installation time and absolutely no set up or configuration. The **Etherstretch** system can quickly turn any ordinary single pair UTP cable into a high speed communications network.

The **ET1551U** is transparent to the network with no IP or MAC addressing required. Simply connect any Ethernet devices to the network port of the transmitter along with existing cabling and to a multi-port receiver unit for the system to begin communicating. The **ET1551U** can be powered remotely from a receiver unit (such as the **ER1651U**) or directly to provide 802.3at 25.5 watts to the camera. LED indicators show the status of network communication and power.

The units are constructed of industrial grade RoHS compliant plated aluminum which is finished with a corrosion resistant finish making it very durable.



Features

- Environmentally hardened – meets NEMA TS-1/TS-2
- Supports 10/100 over UTP rated cables up to 300 meters (1000 feet)
- Fully transparent to the network
- Supports any network device, including Mega-pixel technology IP cameras
- 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.

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

CE RoHS COMPLIANT 2002/95/EC MADE IN U.S.A.

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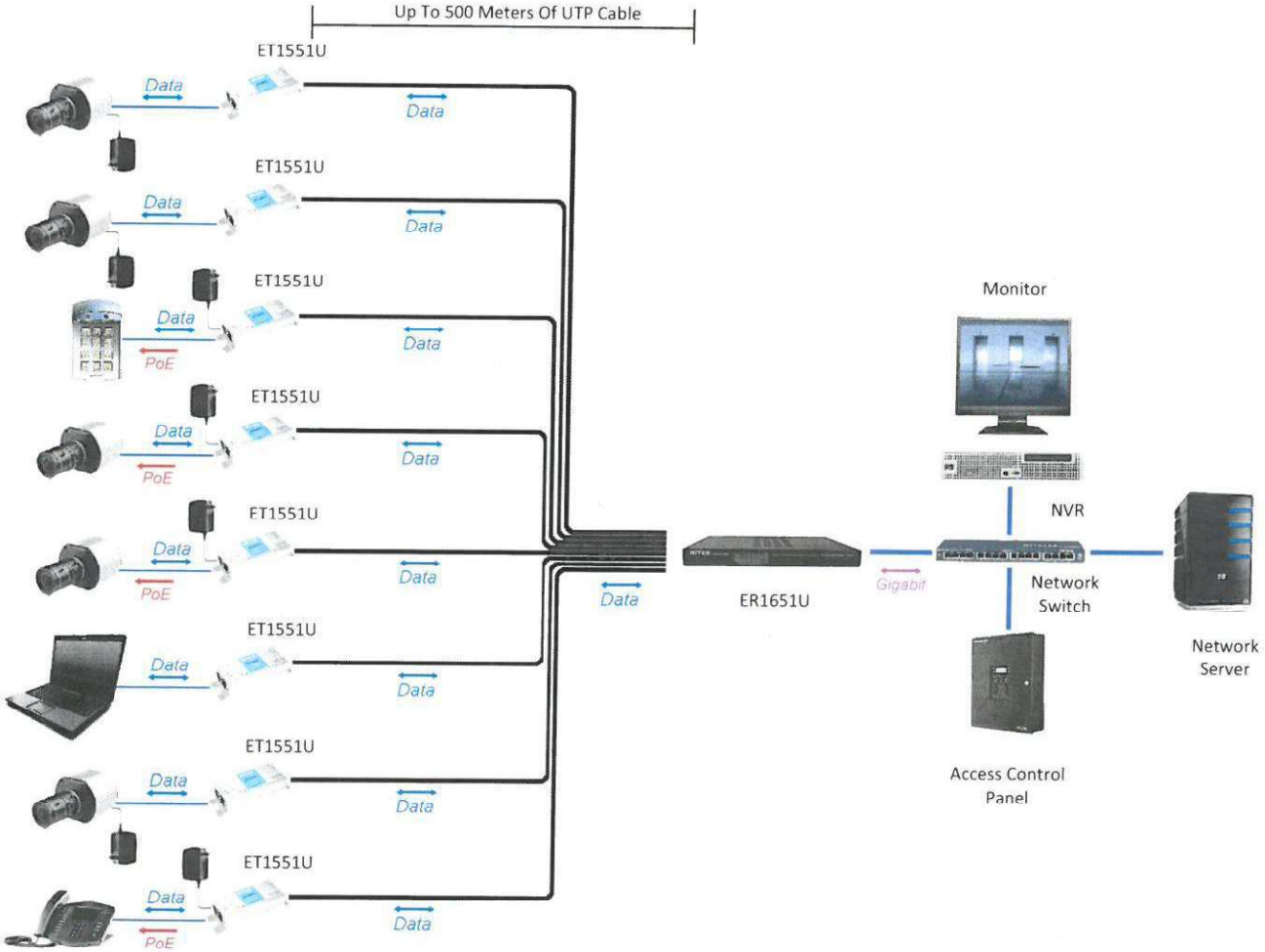
TECHNICAL SPECIFICATION

Network Transmission Device

Network Port	RJ45 Connector
Link Port	Twisted Pair Connector
Ethernet	10/100 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 of CAT 5
Operating Temperature	-40° to 75° C / -40° to 167° F
Dimensions	1.1" x 1.6" x 4.6"
Shipping Dimensions	8" x 5" x 2"
Shipping Weight	2 lbs

Common Installation Type