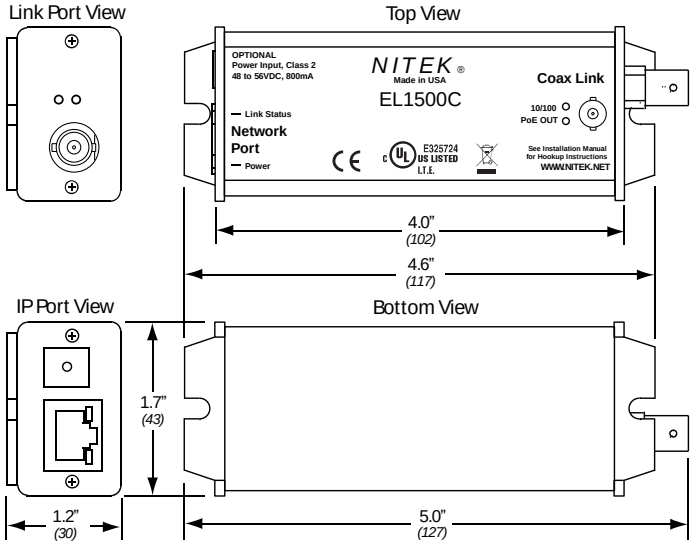
EL1500C

Ethernet & PoE Extender

02092015

PRODUCT SPECIFICATION



Description

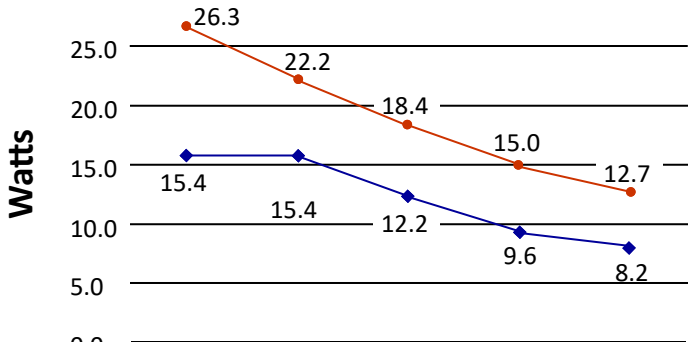
The EL1500C is another component of the NITEK cutting edge EtherStretch line. This Environmentally Hardened Etherstretch solution allows for the utilization of existing cable infrastructure (coax or UTP) to transmit data from IP cameras and other network devices along with PoE power to operate these network devices over the wire for distances up to 500 meters or 1640 feet.

The EL1500C 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 any ordinary RG59 coax cable into a high speed network communication and PoE path for distances up to 500 meters or 1640 feet.

The EL1500C is transparent to the network thus requiring no IP and 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. LED indicators show the status and speed of network communications and PoE power.

NITEK EtherStretch EL1500C extends network communications to overcome cable distance limitations offering connections to devices in locations traditional networking does not allow. The EL1500C is ideal for retrofitting existing installations. The units are constructed of industrial grade RoHS compliant plated aluminum with a corrosion resistant finish making them very durable.

Available PoE Wattage At PoE Device



	100 Meters 328 Feet	200 Meters 656 Feet	300 Meters 984 Feet	400 Meters 1,312 Feet	500 Meters 1,640 Feet
802.3AT	26.3 Watts	22.2 Watts	18.4 Watts	15.0 Watts	12.7 Watts
802.3AF	15.4 Watts	15.4 Watts	12.2 Watts	9.6 Watts	8.2 Watts

* Results charted were calculated using RG59U coaxial cable with a 20AWG center conductor and power sourcing equipment using IEEE 802.3AF standard with starting voltage of 48 volts DC and IEEE 802.3AT standard with starting voltage of 54 volts DC. PoE Switches with internal power and current limits may change individual results.

Features

- Environmentally hardened—meets NEMA TS-1/TS-2
- Transmits up to distances of 500 meters (1640 feet)
- Supports mega-pixel technology
- Fully transparent to the network
- Supports any network device, including IP cameras
- Supports 10/100 and PoE over RG59 cables
- Easy to install, no set up required
- LED indicators for network signals, link status and power
- Lifetime Warranty
- Optional power supply can insert PoE power for non-PoE switches
- Surge protected inputs
- Ground loop isolation
- Made in the U.S.A.

Patent Pending in USA
Euro Pat App 2779641

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

CE

RoHS COMPLIANT 2002/95/EC

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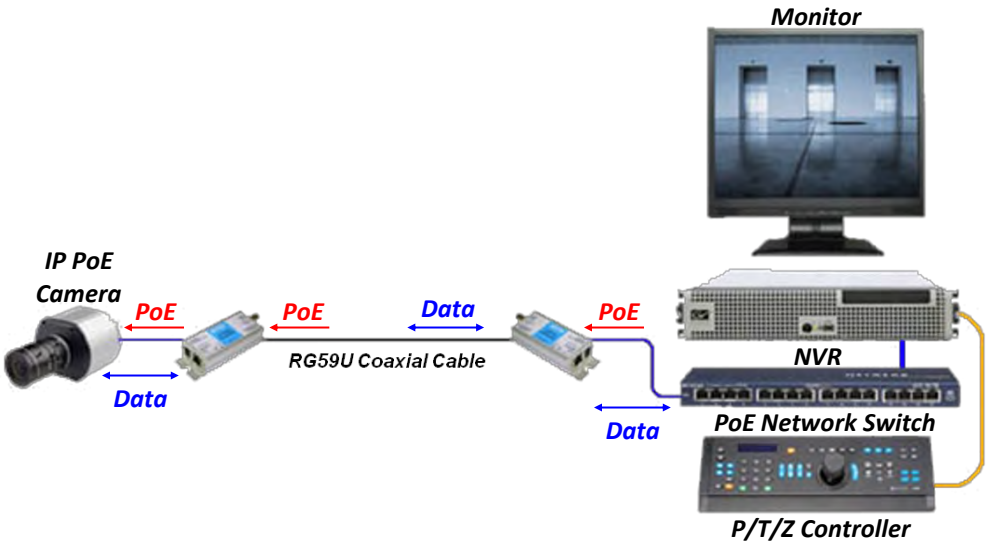
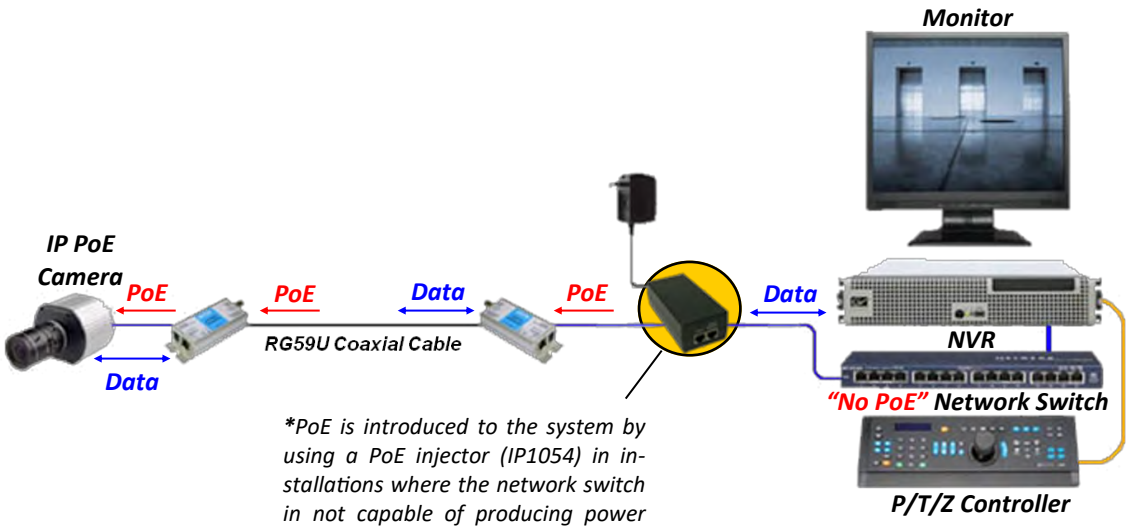
TECHNICAL SPECIFICATION

Network Transmission Device

Network Port	RJ45 Connector
Link Port	BNC Coax Jack
Ethernet	100BASE-TX Full Duplex
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 RG59
Operating Temperature	-40° to 75° C / -40° to 167° F
Dimensions	1.2" x 1.7" x 5.0" including tabs & BNC
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.