

EtherStretch™

IP Cameras Over Coax



NPS

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NITEK®
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ONVIF
Driving network video through global standardization

Single Channel Etherstretch Products

EL1500C



IP Over Coax Solution Up to 500 Meters

The EL1500C is a transmitter – receiver set which extends Power over Ethernet (PoE) and 100Mbps of Ethernet communication over standard coaxial cable up to 500 meters (1,650 feet). The system turns any ordinary RG59U coaxial cable into a high speed network communication & PoE path. The EL1500C is transparent to the network and requires very little installation time requiring no set up or configuration. The units source power from the network switch or PoE injector. The Etherstretch system and the connected PoE edge device is supplied power when connected. No additional power supplies are needed.

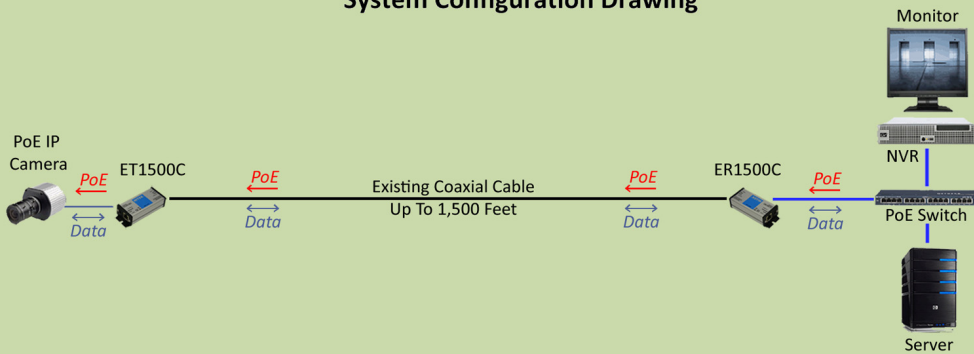
EL1500U



UTP Network Extender Up to 600 Meters

The EL1500U is a transmitter – receiver set which extends Power over Ethernet (PoE) and 100Mbps of Ethernet communication over standard Category network cables up to 600 meters (1,940 feet). The system allows for extending network cabling to creating a high speed communication & PoE path. The EL1500U is transparent to the network and requires very little installation time and no set up or configuration. The units source power from the network switch or PoE injector. The Etherstretch system and the connected PoE edge device is supplied power when connected. No additional power supplies are needed.

System Configuration Drawing



Applications & Benefits Include:

- Supports 100Mbps with PoE
- Upgrading from analog to IP cameras
- Utilizes existing cabling infrastructure
- Reduced installation time
- Extends networks beyond limitations
- Powers from PoE switch
- Fully compliant to 802.3 PoE Standard
- Transparent to the network
- Plug & Play, No configuration required
- Works with all IP network devices
- Reduces disruption during install
- NEMA TS-2 Rated
- UL and CE Approved
- Lifetime Warranty



Made in the USA

2-Wire Etherstretch Solution

EL1551U



IP Over a Single Pair Up to 500 Meters

The EL1551U is a transmitter – receiver set which extends 100Mbps of Ethernet communication over a single pair of communication cables up to 500 meters (1,650 feet). The system turns any ordinary pair of wires such as UTP or any 2 conductor cable into a high speed network communication path. The EL1551U is transparent to the network and requires very little installation time requiring no set up or configuration. This solution is ideal for upgrading an analog surveillance system to an IP system which is currently supported by video baluns, without replacing the cable infrastructure.

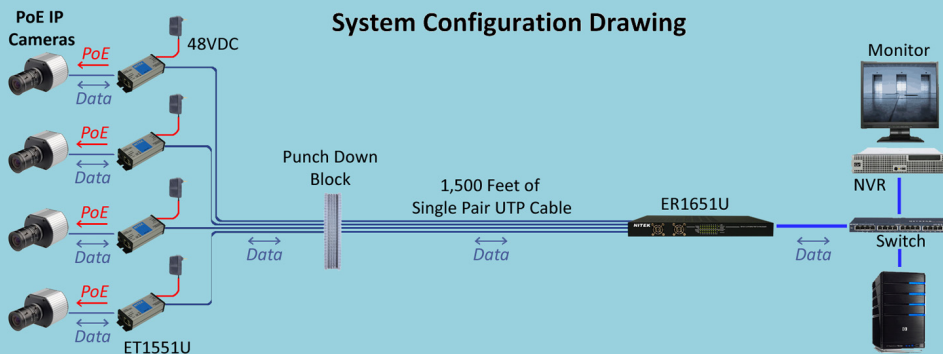
ER1651U



Rack Mounted 2-Wire 16 Channel Receiver

The ER1651U is a sixteen channel 2-wire receiver which extends 100Mbps of Ethernet communication over a single pair of communication cables up to 500 meters (1,650 feet). In addition, to conveniently rack mount and connect sixteen IP edge devices the ER1651U also contains a built in unmanaged Gigabit network switch eliminating patch cables, network hardware and labor. The ER1651U is transparent to the network and requires very little installation time and no set up or configuration. This solution is ideal for upgrading an analog surveillance system which is currently supported by video baluns without replacing infrastructure.

System Configuration Drawing



Applications & Benefits Include:

- Supports 100Mbps over a single pair
- Upgrading from analog to IP cameras
- Perfect for replacing UTP Baluns
- Ideal for elevator applications
- Supports VoIP and emergency call
- Powers from PoE switch
- Fully compliant to 802.3 PoE Standard
- Transparent to the network
- No configuration, Plug and Play
- Works with all IP network devices
- Reduces disruption during install
- Eliminates IDF closets and equipment
- UL and CE Approved
- Lifetime Warranty



Made in the USA

Multi-Channel Etherstretch Products

ER8500C ER16500C



IP Over Coax Solution Up to 500 Meters

The ER8500C & ER16500C models are Multi-channel IP over Coax network and PoE extenders. Both the 8 and 16 channel model include a built-in PoE+ Gigabit network switch. The PoE is not only used to supply power to the connected IP edge device but it also powers the Etherstretch transmitter. (*Transmitters are not included). The Etherstretch solution can quickly and effortlessly turn any ordinary coaxial cable into high speed network communication & PoE path with absolutely no set up or configuration. The System is transparent to the network with no IP or MAC addresses.

ER8500U ER16500U



UTP Network Extender Up to 600 Meters

The ER8500U & ER16500U models are Multi-channel units which extend Power over Ethernet (PoE) and 100Mbps of Ethernet communication over standard Category network cables up to 600 meters (1,940 feet). Both the 8 and 16 channel model include a built-in PoE+ Gigabit network switch. The PoE is not only used to supply power to the connected IP edge device but it also powers the Etherstretch transmitter. (*Transmitters are not included). The Etherstretch solution has absolutely no set up or configuration. The System is transparent to the network with no IP or MAC addresses.

ER8400C



IP Over Coax Solution Up to 500 Meters

The ER8400C is a wall mounted 8 channel IP over Coax receiver which extends Power over Ethernet (PoE+) and 100Mbps of Ethernet communication over standard coaxial cable up to 500 meters (1,650 feet). The ER8400C includes a built-in PoE+ Gigabit network switch. The PoE is not only used to supply power to the connected IP edge device but it also powers the Etherstretch transmitter. (*Transmitters are not included). The Etherstretch solution can quickly and effortlessly turn any ordinary coaxial cable into a high speed network communication & PoE path.

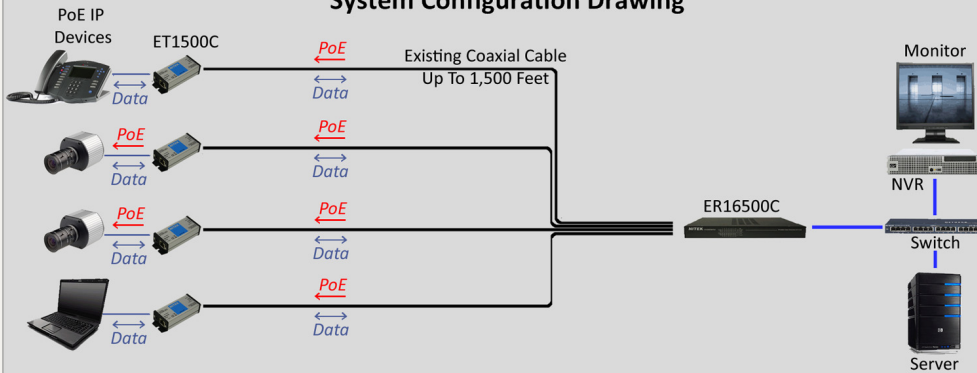
ER8400U



UTP Network Extender Up to 600 Meters

The ER8400U is a wall mounted 8 channel receiver which extends Power over Ethernet (PoE+) and 100Mbps of Ethernet communication over standard Category network cables up to 600 meters (1,940 feet). The ER8400U includes a built-in PoE+ Gigabit network switch. The PoE is not only used to supply power to the connected IP edge device but it also powers the Etherstretch transmitter. (*Transmitters are not included). The Etherstretch solution can quickly and effortlessly turn any ordinary UTP cable into a high speed network communication & PoE path.

System Configuration Drawing



Applications & Benefits Include:

- Supports 100Mbps with PoE+
- Upgrading from analog to IP cameras
- Utilizes existing cabling infrastructure
- Reduced installation time
- Extends network limitations
- Self-contained PoE switch
- Fully compliant to 802.3 PoE Standard
- Transparent to the network
- No configuration, Plug and Play
- Works with all IP network devices
- Reduces disruption during install
- Eliminates IDF closets and equipment
- UL and CE Approved
- Lifetime Warranty

Made in the USA

Transmitters



To support the various installation types of multi-channel Etherstretch projects, there are an assortment of transmitter options to meet your specific project needs.

- ET1500C – IP Over Coax TX
- ET1500CW – Outdoor IP Over Coax TX
- ET1500CWS – Outdoor IP Over Coax TX w/ Surge
- ET1500U – Ethernet + PoE TX
- ET1500UW – Outdoor Ethernet + PoE TX
- ET1500UWS – Outdoor Ethernet + PoE TX w/ Surge

Outdoor Rated Products



All the Nitek single channel Etherstretch units are environmentally hardened in accordance with NEMA TS1/TS2 Standards.

- 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














Recommended Surge Protection



Nitek network surge protection products guard network components against transients, surges and spikes that are often introduced into low voltage systems.

- IPPWR1 – 10/100/1000 Surge Protector
- IPCOAX1 – IP Over Coax In-line Surge Protector
- IPPWR16 – 10/100/1000 Rack Mount 16 Port
- IPCOAX16 – 16 Port IP Over Coax Surge Protector
- IPPTR12 – 10/100 12 Port Surge Protector

The Etherstretch Advantage

-  Extends Network Communications Beyond Standard Limitations
-  Utilizes Previously Installed Coax or UTP Cabling Infrastructure
-  Greatly Reduces Installation Time & Associated Labor
-  Minimizes or Eliminates Disruptions to Daily Operations During Installation
-  Network Hardware and IDF Closets are Decreased and/or Eliminated
-  Creates a Network Link to Support Data Rates of 100Mbps
-  Plug & Play, No Set Up or Configurations Required
-  Transparent to the Network
-  Supports Power Over Ethernet Standards 802.3af (PoE) & 802.3at (PoE+)
-  Built-in Surge Suppression
-  Ground Loop Isolation
-  Lifetime Warranty
-  Made In The USA

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