

Description

The ER8500C is another component of NITEK's cutting edge **Etherstretch** line. Our **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 power to operate these networked devices over the given wire media.

The ER8500C is a multi-port Ethernet switch and PoE+ extender for IP video cameras. This Layer 2 PoE+ switch with a Gigabit LAN connection operates as a standard switch for all Ethernet devices up to 100 meters but when used in conjunction with the ET1500C transmitter unit (sold separately) operating distances can be extended to over 500 meters (1600 feet). This makes it ideal for mixed use applications where equipment can be both under 100 meters or up to 500 meters. It provides 802.3AT level (25.5 watts) for PoE+ powered devices up to 300 meters and greater than 802.3AF level power to 500 meters. (See PoE wattage chart for specifics) Being a fully functioning Layer 2 switch it easily integrates into standard network infrastructure.

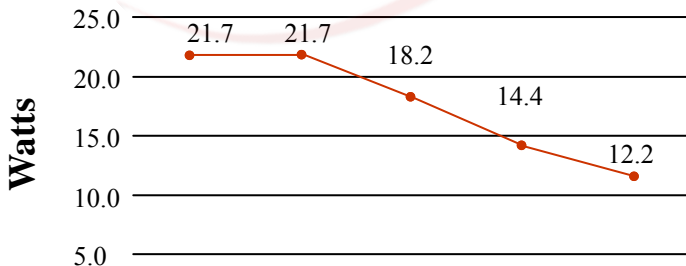
The ER8500C receiver and ET1500C transmitter require very little installation time and absolutely no set up or configuration. The system is completely transparent to the network with no IP or MAC addressing required. Simply connect a network device to the transmitter. LED connectivity indicators on the receiver show the status of network communication and PoE power.

The ER8500C **Etherstretch** network extender overcomes cable distance limitations inherent in traditional networking topologies and provides a viable alternative to fiber or wireless transmission solutions.

Features

- Transmits IP data & PoE up to distances of 500 meters (1,600 ft)
- Rack mounted multi-channel (8) **Etherstretch** solution
- Includes a built-in power source for all connected devices
- Gigabit output network connectivity
- Supports 10/100 and PoE over coax cable
- Supports mega-pixel technology
- Fully transparent to the network
- Supports any network device, including IP cameras
- Easy to install, no set up required
- No MAC or IP addressing required
- LED indicators for network signals, link status and power
- Short circuit, over current and over voltage protection
- Supports IEEE802.3af (15.4W) and IEEE802.3at (25.5W)
- Ground loop isolation

Available PoE Wattage At PoE Device



100 Meters 328 Feet	200 Meters 650 Feet	300 Meters 1,000 Feet	400 Meters 1,300 Feet	500 Meters 1,640 Feet
21.7 Watts	21.7 Watts	18.2 Watts	14.4 Watts	12.2 Watts

* Results charted were calculated using RG59U coaxial cable with a 20AWG center conductor.



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TECHNICAL SPECIFICATION

Receiver Unit

Network Output Port	1 RJ45 Connector, 1 Gigabit
Link Port	8 BNC Connectors
Dimensions	1 RU x 12.0"D
Operating Temperatures	0° to 52° C / 32° to 125° F
Shipping Weight	12 lbs
Shipping Dimensions	18"W x 24"H x 8.5"D
Power Requirements	IEC380 connector - 110-240VAC/50-60Hz/320Watt Max
LED Connectivity Indicators	Link Status, Power, PoE Out, 10/100/1000Mb
Mounting	Standard rack mounting
Humidity	Up to 95% non-condensing
Power Output	204 watts Max.
PoE Capabilities	Compliant w/ IEEE 802.3af & IEEE 802.3at Standards

Common Installation Type

