ER8400C

8 Port Ethernet & PoE Extender over Coax

PRODUCT SPECIFICATION

Description

The ER8400C is another component of the NITEK 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 ER8400C is a multi-port, Ethernet and PoE extender for IP video cameras. This PoE switch with Gigabit LAN connection operates in conjunction with up to 8 ET1500C transmitter units (sold separately) for distances of over 500 meters (1,600 feet). It provides POE+, 802.3at level power, for powering devices. Using the ER8400C over any ordinary coaxial cable for a distance of 500 meter requires no additional equipment other than the ET1500 transmitter. It can provide 100Mb per channel and will easily operate even high bandwidth IP cameras.
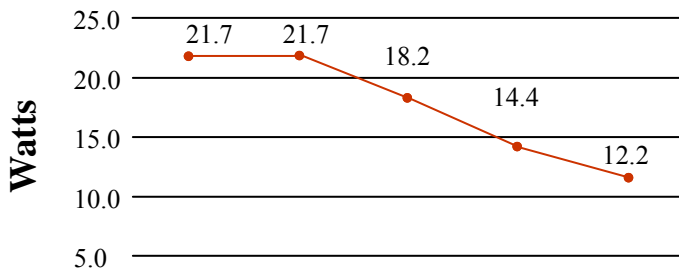
The ER8400C Ethernet extender receiver along with the ET1500C transmitter require very little installation time & absolutely no set up or configuration. The system is completely transparent to the network with no IP or MAC addressing required. Simply connect a network device to the transmitter. LED connectivity indicators on the receiver show the status of network communication and PoE power.

The ER8400C **Etherstretch** network extender overcomes cable distance limitations inherent in traditional networking topologies and is ideal for applications where the use of an equipment rack is limited or impractical.

Security Lock

10.6

10.6

IEC380 Connector

4.0

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 and IEEE802.3at
- Ground loop isolation

Available PoE Wattage At PoE Device

Watts

25.0
21.7 21.7
18.2
20.0
14.4
15.0
12.2
10.0
5.0

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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EU
IEC/UL 60950-1

CE

RoHS COMPLIANT 2002/95/EC

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TECHNICAL SPECIFICATION

Receiver Unit

Network Output Port	1 RJ45 Connector @ 1 Gigabit
Link Port	8 BNC Connectors 100Mbps each
Dimensions	10.6"W x 10.6"H x 4.0"D
Operating Temperatures	0° to 52° C / 32° to 125° F
Shipping Weight	12 lbs
Shipping Dimensions	12"W x 12"H x 6"D
Power Requirements	IEC380 connector - 110-240VAC/50-60Hz/320Watt Max
LED Connectivity Indicators	Link Status, Power, PoE Out, 10/100/1000Mb
Mounting	Wall mounting
Humidity	Up to 95% non-condensing
Power Output	204 watts Max.
PoE Capabilities	Compliant w/ IEEE 802.3af & IEEE 802.3at standards per BNC connector

Common Installation Type

IEC/UL 60950-1