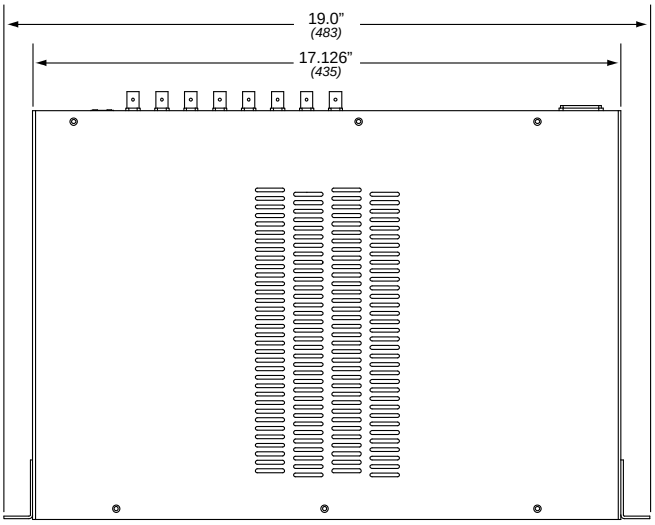
ER8500C

8 Port Ethernet & PoE Extender over Coax

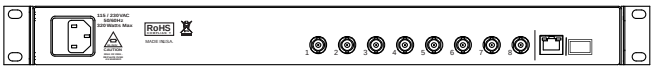
12182014

PRODUCT SPECIFICATION

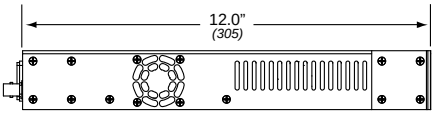


Top View

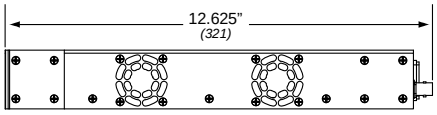
Front View



Rear View

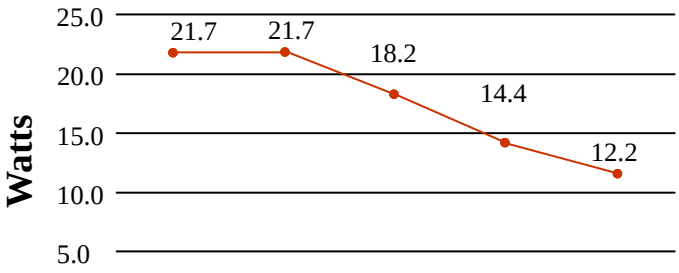


Left Side



Right Side

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
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.

Description

The ER8500C is another component of NITEK's cutting edge **Etherstretch** line. Our **Etherstretch** solution allows for the utilization of existing coaxial cable infrastructure to transmit data from IP cameras and other network devices along with power to operate these networked devices over the given wire media. This unit also features Nitek NEXTT technology, allowing remote monitoring and control of the system.

The ER8500C is a multi-port Ethernet switch and PoE+ extender for IP video cameras. This Layer 2 PoE+ switch has Gigabit LAN and SFP connections. When used in conjunction with either the ET1500C or ET4500C transmitter unit (sold separately) operating distances can be extended up to 500 meters (1640 feet).

The receiver provides 802.3AT level power for powered devices up to 300 meters and greater than 802.3AF level power to 500 meters (see PoE wattage chart for specifics).

The ER8500C receiver and ET1500C transmitter require very little installation time and absolutely no set up or configuration to function. Simply connect a network device to the transmitter. LED connectivity indicators on the receiver show the status of network communication and PoE power. To enable the Critical System Monitoring Software simple configuration is required to enable viewing and will allow remote monitoring and control of all ports.

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 (1,640 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
- SFP ports support Fiber interfacing
- NEXTT provides remote monitoring
- Easy to install, no set up required
- LED indicators for network signals, link status and power
- Short circuit, over current and over voltage protection
- Supports IEEE802.3af and IEEE802.3at
- Made in the U.S.A.

Patent Pending 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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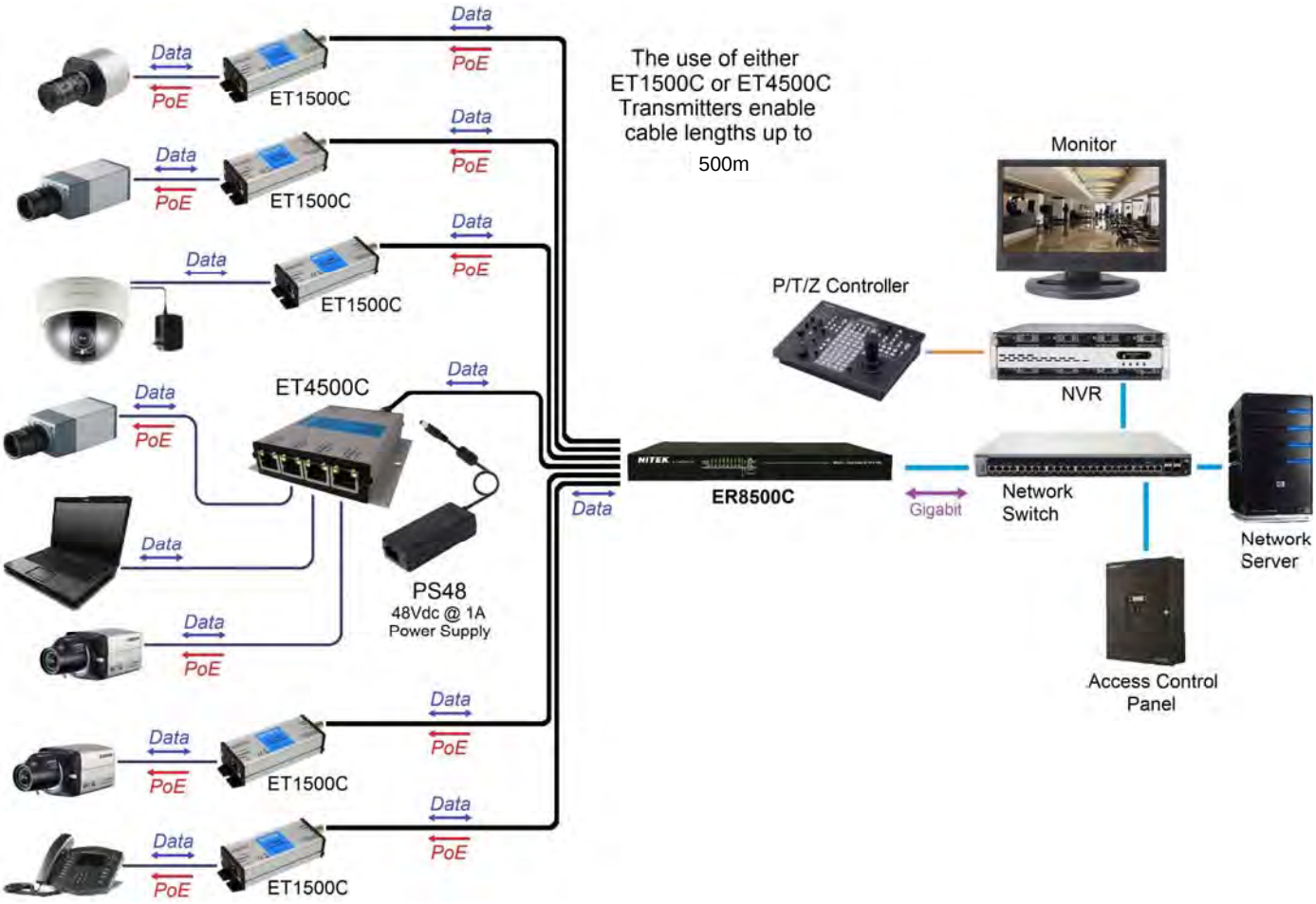
TECHNICAL SPECIFICATION

Receiver Unit

Network Output Port	1 RJ45 Connector, 1 Gigabit
SFP Port	1 SFP port, 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
BTU rating	150 Btu/h
Humidity	Up to 95% non-condensing
Power Supplies	250 watts Internal
PoE Capabilities	Compliant w/ IEEE 802.3af & IEEE 802.3at Standards

Common Installation Type



IEC/UL 60950-1