

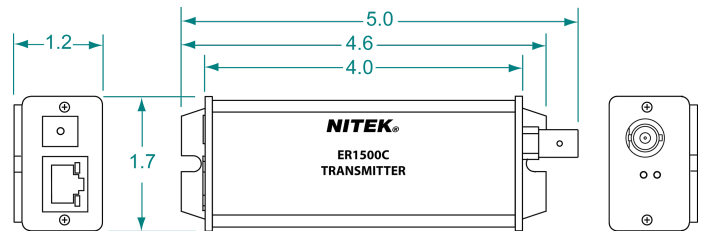


ET1500C

IP over Coax Transmitter. Use with ER1500C, ER8500C, ER16500C Receivers only.

The ET1500C is a transmitter that is used with NITEK EtherStretch receivers; allowing for the re-use of existing analog coaxial cable infrastructure to transmit and power IP cameras or other Ethernet devices. This environmentally hardened product is the far end device providing 10/100 Ethernet and Power Over Ethernet (PoE) at distances of up to 500m over RG-59 or RG-6 coaxial cabling. The ET1500C communicates with a NITEK receiver at the head end which has access to power and LAN.

The ET1500C is housed in an industrial-grade anodized aluminum housing with mounting ears and has LEDs for link status and POE activity. The ET1500C has a power jack for connecting an optional PS48 power supply to re-inject power for full power PoE output at longer link distances.



PRODUCT FEATURES

- IP over Coax Transmitter with PoE
- Works with ER1500C, ER8500C, and ER16500C receivers
- Extends 10/100 Mbps Full Duplex Ethernet & PoE up to 500 meters over coax
- Supports any IP network device & 4K cameras
- Supports IEEE802.3at (25.5W) and IEEE802.3af (15.4W)
- Fully transparent to the network, no MAC or IP addressing required
- LED indicators for power, network rate, link status, and PoE output
- The optional power supply can insert PoE power for non-PoE switches
- Short circuit, over current, and over-voltage protection
- Ground loop isolation
- Easy to set up and install
- Limited Lifetime Warranty
- Designed, tested, manufactured, and supported in the U.S.A.

TECHNICAL SPECIFICATIONS

Max Operating Distance

Network Port: 100m

Link Port: 500m

Power

Requirements: NITEK receiver / optional PS48 power supply

Power Output: Meets IEEE802.3af/at

PoE Source: Available coax power or optional power supply

LED Connectivity Indicators

Indicators: Network Signals, Link Status, and Power

System Latency

System Latency: <1mS over 500m RG-59

Mechanical Dimensions (L x W x H)

109mm x 41mm x 28mm / 4.93" x 1.6" x 1.1"

Mounting: (2x) 8mm / 3/8"

Shipping Dimensions (L x W x H)

Package: 135mm x 195mm x 60mm / 5.3" x 7.7" x 2.3"

Weight: 0.45kg / 1lbs

Environmental / Temperature

Operating: -40°C to 75°C / -40°F to 167°F

Storage: -40°C to 75°C / -40°F to 167°F

Humidity: Up to 90% non-condensing

Mean Time Between Failure: >100,000 Hours

Connectors

Network Port: RJ45 Connector

Link Port: BNC Coax Jack

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 2.1.8

Transient Test NEMA 2.1.6 thru 2.1.8



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