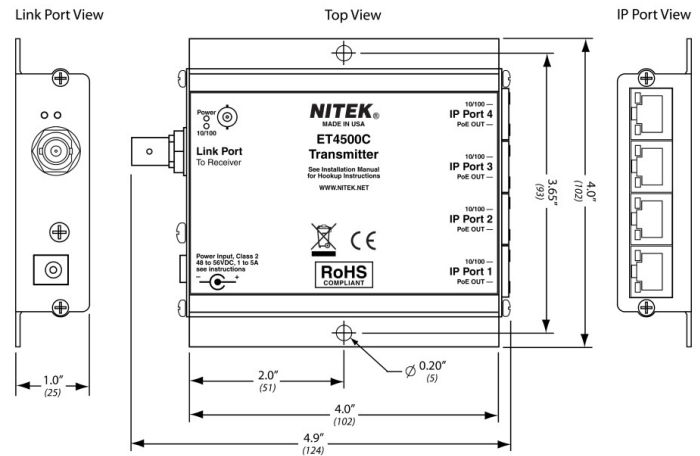


# ET4500C

4-Channel IP over Coax Transmitter. Use with ER1500C, ER8500C and ER16500C.

The ET4500C is a far-side four-port transmitter for an EtherStretch link. This environmentally hardened product is the far end device providing four 10/100 Ethernet ports with Power Over Ethernet (PoE) at distances of up to 500m over a single coaxial cable. The ET4500C communicates with a NITEK receiver at the head end which has access to power and LAN. For higher power applications, it is highly recommended that additional power be injected by using the included PS48 power supply. The ET4500C is housed in an industrial-grade anodized aluminum housing with mounting ears and has LEDs for link status and POE activity for each port.



## PRODUCT FEATURES

- Allows for 4 devices on a single coaxial cable
- Requires ER1500C, ER8500C or ER16500C
- 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 included power supply can insert power for higher power applications
- 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 Ports: 100m

Link Port: 500m

### Power

Requirements: NITEK receiver and included PS48 power supply

Power Output: Meets IEEE802.3af/at

PoE Source: Available coax power or included power supply

### LED Connectivity Indicators

Indicators: for power, network rate, link status, and PoE output

### System Latency

System Latency: <1ms over 500m of RG-59

### Mechanical Dimensions (L x W x H)

124mm x 102mm x 25mm / 4.9" x 4.0" x 1.0"

Mounting: (2x) 5mm / 0.2"

### Shipping Dimensions (L x W x H)

Package: 74mm x 229mm x 165mm / 2.9" x 9.0" x 6.5"

Weight: 0.9kg / 2lbs

### 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 Ports: (4) 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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