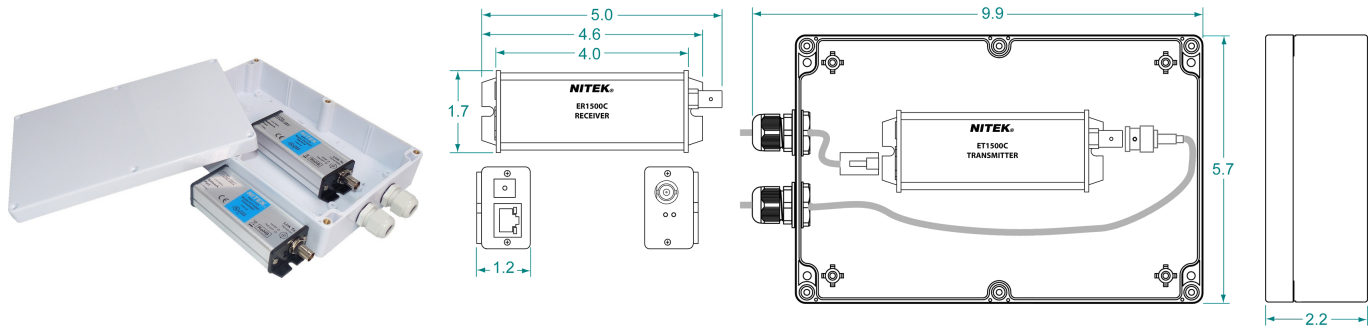# EL1500CW

Outdoor IP over Coax. Set includes: ET1543C Transmitter, ER1500C Receiver & Weatherproof Case.

The EL1500CW is part of the EtherStretch solution for outdoor applications. The EL1500CW consists of an ET1500C mounted in a WP1325 enclosure for the camera side, and an ER1500C for the head end of the link. The EL1500CW is the complete solution for PoE power and 10/100 link extension over up to 500m of RG-59 or RG-6 coaxial cabling. The ER1500C sources power to the link by requesting power from a PoE switch or power up to 30W can be injected from an optional PS48 power supply.

The WP1325 enclosure (indicated by the "W" in the part number) is a polycarbonate high-impact NEMA 4X rated box equipped with neoprene gaskets to prevent the ingress of moisture and dust. The box comes with two bottom-side cable entries fitted with UL94V-2 rated nylon hex cable glands to maintain the weatherproof seal.

PRODUCT FEATURES

- Transmitter housed in a NEMA 4X rated enclosure for outdoor applications
- Includes Transmitter, Receiver, and Weatherproof Case
- 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 (each device)
Network Port: 100m
Link Port: 500m

Power (each device)
Requirements: 302.3at/af switch or optional power supply
Power Output: Meets IEEE802.3at/af
PoE Source: Local PSE or optional 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)
ER1500C: 130mm x 43mm x 28mm / 5.1" x 1.7" x 1.1"
ET1500C: 130mm x 43mm x 28mm / 5.1" x 1.7" x 1.1"
WP1325: 53mm x 252mm x 146mm / 2.1" x 9.9" x 5.7"

Shipping Dimensions (L x W x H)
Package: 254mm x 152mm x 76mm / 10" x 6" x 3"
Weight: 2.72kg / 6lbs

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 (each device)
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

RoHS COMPLIANT 2002/95/EC

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