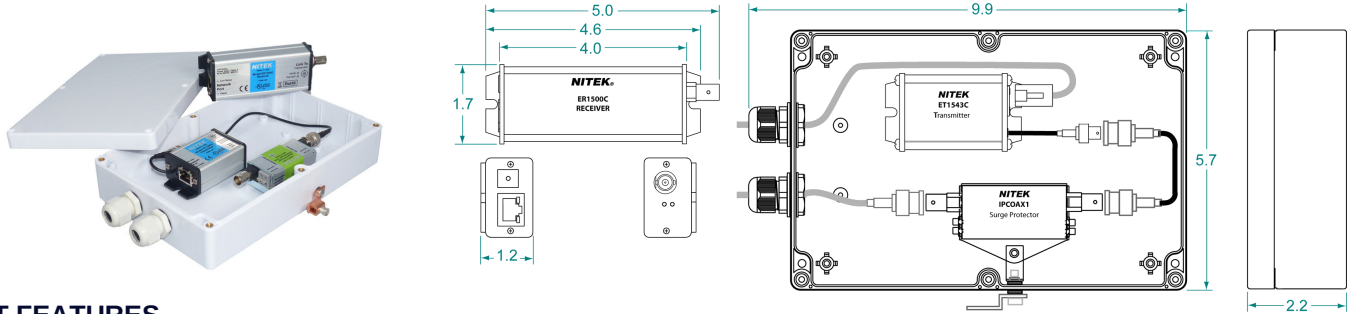# EL1500CWS

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

The EL1500CWS is part of the EtherStretch solution for outdoor applications. The EL1500CWS consists of an ET1543C mounted into a WP1325 weatherproof enclosure, an IPCOAX1 surge protector for the camera side (indicated by the "S" in the part number) and an ER1500C for the head end of the link. The EL1500CWS is the complete solution for camera surge, PoE power, and 10/100 link extension up to 500m on RG-59 or RG-6 coaxial cabling. The ER1500C can source power to the link by requesting power from a PoE switch, or 30W of power 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. The IPCOAX1 is a single channel, in-line 10/100 Ethernet-over-Coax surge protector. It also provides independent protection for 12/24V power, which can be used for heaters, blowers, or PTZ. The IPCOAX1 has standard female BNC connectors for mating to coaxial cables and a heavy-duty single ground connection integrated into the WP1325.

PRODUCT FEATURES

- Transmitter housed in a NEMA 4x rated enclosed with surge protector
- Includes Transmitter, Receiver, Weatherproof Case, and Surge Protector
- 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
Requirements: 302.3at/af switch or optional PS48 power supply
Power Output: Meets IEEE802.3af/at
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"
ET1543C: 76mm (178mm) x 43mm x 30mm / 3.0" (7") x 1.7" x 1.2"
IPCoax: 46mm x 64mm x 33mm / 1.8″ x 2.5″ x 0.9″
WP1325: 53mm x 252mm x 146mm / 2.1" x 9.9" x 5.7"

Shipping Dimensions (L x H x L)
Package: 51mm x 203mm x 152mm x 51mm / 2" x 8" x 5"
Weight: 2.27kg / 5lbs

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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