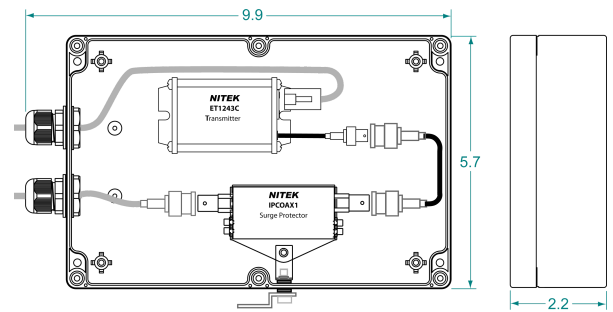# ET1243CWS

**Outdoor Mini IP over Coax Transmitter. Includes: ET1243C Transmitter, Weatherproof Case and Surge Protector. Use with ER8200C, ER16200C or ER2400C Receivers only.**

The ET1243CWS is an ET1243C transmitter fitted in a weatherproof case, along with an IPCOAX1 surge suppressor. The ET1243C is the far end transmitter in an EtherStretch Lyte link and connects to the far end PoE-powered 10/100 Ethernet device. The ET1243C provides 100Mbps Ethernet link extension of up to 350m over RG-59 or RG-6 coaxial cabling. The ET1243C communicates with a multi-channel receiver at the headend. Each EtherStretch Lyte channel is designed to allow the Ethernet PoE Switch to negotiate with the remote PoE device through the receiver channel, ET1243C transmitter and coaxial cabling. Once the PoE comes up, the receiver channel and ET1243C transmitter also power up and begin link operations. The transmitter will run on 15VDC from the receiver if PoE is not being used on that channel.

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 a heavy-duty single ground connection integrated into the WP1325.



## PRODUCT FEATURES

- Mini IP over Coax transmitter and surge protector in a weatherproof enclosure with glands
- Requires ER8200C, ER16200C or ER2400C receiver
- Extends 100Mbps Full Duplex Ethernet & PoE up to 350 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, link status, and PoE output
- Surge protected input
- 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 (over Coax): 350m

**Power**
Requirements: PoE or by 15VDC from the receiver

**System Latency**
System Latency: <1mS over 350m RG-59

**Mechanical Dimensions (W x H x L)**
ET1243C: 43mm x 30mm x76mm (178mm) / 1.7" x 1.2" x 3.0" (7")
IPCOAX1: 46mm x 64mm x 33mm / 1.8″ x 2.5″ x 0.9″
WP1325: 53mm x 252mm x 191mm / 2.1" x 9.9" x 5.7"

**Shipping Dimensions (W x H x L)**
Package: 152.4mm x 76.2mm x 254mm / 6" x 3" x 10"
Weight: 1.36kg / 3lbs

Connectors
Network Port: RJ45 Connector on ET1243C
Link Port: BNC Coax Jack on surge suppressor

**Environmental / Temperature**
Operating: -40°C to 75°C / -40°F to 167°F
Storage: -40°C to 85°C / -40°F to 185°F
Humidity: Up to 95% non-condensing

**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 2.1.2
　　　　　　　Operating Frequency NEMA 2.1.3
　　　　　　　Transient Test NEMA 2.1.6 thru 2.1.8

RoHS COMPLIANT 2002/95/EC

MADE IN USA