

# eBridge1CRT

IP over Coax Solution



Altronix eBridge1CRT IP over Coax transceiver and receiver kit is designed to enable fast 10/100Base-T Ethernet digital communication over coax cable. These plug and play units facilitate system upgrades from analog to IP cameras/devices utilizing existing legacy Coax and eliminating the costs and labor associated with installing new network cabling. In addition, data transmission is extended up to 610m (over five times the 100m Ethernet maximum length), eliminating the need for repeaters. eBridge units transmit composite video signal with Ethernet data simultaneously.



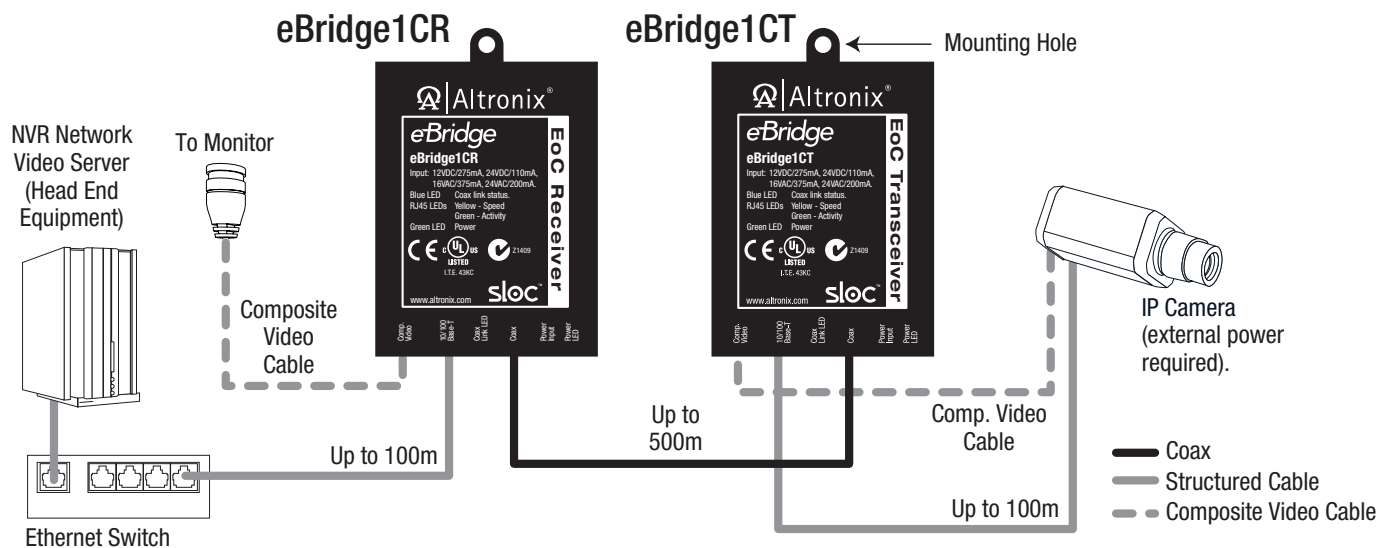
eBridge1CR and eBridge1CT

## Key Features

- Throughput is rated to pass 25Mbps at distances up to 500m
- Eliminates the costs and labor associated with installing new network cabling
- Retrofit digital IP cameras in an analog CCTV installation
- Transmits composite video signal with Ethernet data simultaneously
- Incorporates \*sloc™ (Security Link over Coax) technology
- Works with Megapixel, HD720, HD1080 & VGA (SD) cameras
- Extends Network link distance in an industrial environment
- Upgrades deployed CCTV Coax to a digital network for Retail, Casinos, Airports, Schools, Hospitals, etc.
- UL Listed in the U.S. and Canada
- CE European Conformity
- C-Tick compliant
- SLOC\* compliant
- Lifetime Warranty

\* sloc is a registered trademark of Intersil Corporation.

## Typical Operation Diagram



### Lifetime Warranty



## eBridge1CRT

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### Specifications

#### Input

12VDC to 24VDC Class 2 power supply (polarity not observed) or  
16VAC to 24VAC Class 2 plug-in transformer

#### Ethernet

Connectivity: RJ45, auto-crossover  
Wire type: 4-pair Cat-5 or better structured cable  
Distance: up to 100m  
Speed: 10/100BaseT, half/full duplex, auto negotiation

#### Coax

Throughput is rated to pass 25Mbps of data at distances up to  
500m with proper headend equipment which supports  
Megapixel, HD720, HD1080  
Connectivity: BNC, RG-59/U or similar

#### Indicators (LED)

**Blue LED:** Coax link connection  
**Green LED:** Power ON  
**Yellow and Green LED (RJ45):**  
IP Link status, 10/100Base-T/active

#### Agency Listings

**UL/cUL** UL 60950-1  
(Information Technology Equipment)  
**CE** European Conformity  
**C-Tick compliant**

#### Physical and Environmental

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

eBridge1CR and eBridge1CT Enclosure:  
2.5" x 3.8" x 1" (63.5mm x 96.5mm x 25.4mm)  
eBridge1CRT Shipping:  
8" x 6" x 5" (203.2mm x 152.4mm x 127mm)

##### Weight (approx.)

**Product:** 0.4 lb. (0.18 kg)  
**Shipping:** 1 lb. (0.45 kg)

##### Temperature

**Operating:** - 10°C to 50°C (14°F to 122°F)  
**Storage:** - 20°C to 70°C (- 4°F to 158°F)

**Relative Humidity** 85% +/- 5%

**Operating Altitude** - 304.8 to 2,000m

**BTU/Hr.** VDC: 1.69 - 4.46 BTU/Hr.  
VAC: 2.46 - 3.07 BTU/Hr.

#### Lifetime Warranty