

## eBridge1CR

IP over Coax Receiver



Altronix eBridge1CR IP over Coax receiver is designed for use with eBridge1CT to enable fast 10/100Base-T Ethernet digital communication over coax cable. This plug and play unit facilitates 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

### 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<sup>™</sup> (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.
- Lifetime Warranty

\* sloc is a registered trademark of Intersil Corporation.

### Compatible Transceiver:



#### eBridge1CT Single Port Ethernet Transceiver

Transmits IP video/data over coax up to 500m @ 25Mbps.  
Supports PoE (IEEE 802.3af).  
UL/cUL Listed (UL60950-1). CE and C-Tick Approved.

#### Lifetime Warranty

### Specifications

#### Input

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

**Power Consumption (under maximum load):**  
12VDC/275mA, 24VDC/110mA, 16VAC/375mA, 24VAC/200mA

#### Ethernet

Connectivity: RJ45, auto-crossover  
Wire type: 4-pair Cat-5 or better structured cable  
Distance: up to 100m

#### Coax

Throughput is rated to pass 25Mbps of data at distances up to 500m  
With proper headend equipment multiple Megapixel cameras can be used  
Speed: 10/100BaseT, half/full duplex, auto negotiation  
Connectivity: BNC, RG-59/U or similar

#### Indicators (LED)

**Blue LED:** Coax link connection  
**Green LED:** Power  
**Yellow and Green LED (by RJ45 jack):**  
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)**  
2.5" x 3.8" x 1" (63.5mm x 96.5mm x 25.4mm)

#### Weight (approx.)

Product Weight	0.22 lbs. (0.1 kg)
Shipping Weight	0.4 lbs. (0.18 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