Altronix®

Rev. 07112025

eBridge1CR

IP over Coax Receiver

eBridge™

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™ (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.

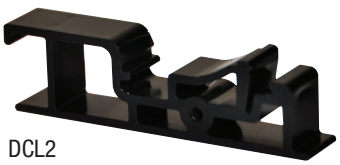
Compatible Transceiver:

eBridge1CT

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.

Accessories



DCL2

DCL2 - DIN Rail Mounting Clip

Allows for easy installation of Altronix adapters utilizing screw mouting holes to mount on a standard DIN rail (Altronix Din Rail models D10, D12, D19, or D24).

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA
phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

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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)
Enclosure: 2.5” x 3.8” x 1” (63.5mm x 96.5mm x 25.4mm)
Shipping: 8” x 6” x 5” (203.2mm x 152.4mm x 127mm)

Weight (approx.)

Product:	0.22 lb. (0.1 kg)
Shipping:	0.4 lb. (0.18 kg)

Temperature

Operating:	– 10ºC to 50ºC (14ºF to 122ºF)
Storage:	– 20ºC to 70ºC (– 4ºF to 158ºF)

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.

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