Altronix®

eBridge1CRT
IP over Coax Solution

eBridge™

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.
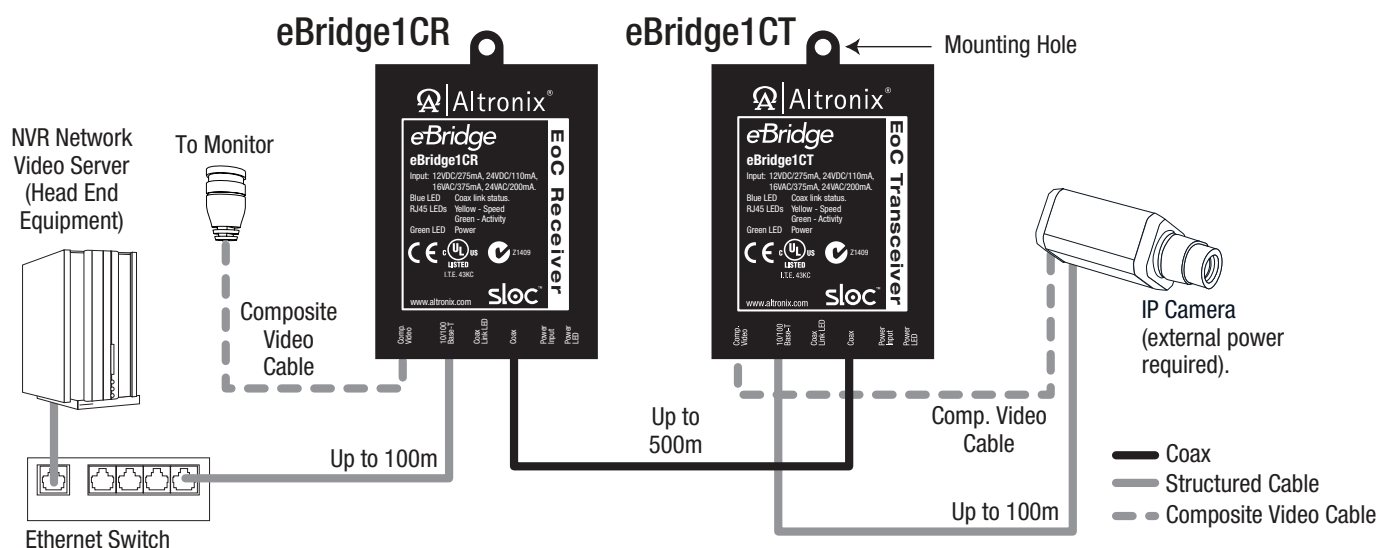
eBridge1CR
and eBridge1CT

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

eBridge1CR

eBridge1CT

Mounting Hole

NVR Network Video Server (Head End Equipment)

To Monitor

Composite Video Cable

Up to 100m

Ethernet Switch

Up to 500m

Comp. Video Cable

Up to 100m

IP Camera (external power required).

Coax
Structured Cable
Composite Video Cable

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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:
  2.5" x 3.8" x 1" (63.5mm x 96.5mm x 25.4mm)

Weight (approx.)

Product Weight	0.4 lbs. (0.18 kg)
Shipping Weight	1 lbs. (0.45 kg)

Temperature

Operating	-10ºC to 50ºC (14ºF to 122ºF)
Storage	-20ºC to 70ºC (-4º to 158ºF)
Relative Humidity	85% +/-5%
Operating Altitude:	-304.8 to 2,000m