eBridge1CR

eBridge™

Overview

The 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 to 2,000' (over five times the 100m/328' Ethernet maximum length), eliminating the need for repeaters. eBridge units will transmit Composite Video Signal with Ethernet data simultaneously.

Specifications

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

Power Consumption:
- 12VDC/275mA, 24VDC/110mA, 16VAC/375mA, 24VAC/200mA.

sloc™ Compliant:
- Incorporates *sloc™ (Security Link over Coax) technology.

Ethernet:
- Connectivity: RJ45, auto-crossover.
- Wire type: 4-pair CAT-5 or better structured cable.
- Distance: up to 328 ft. (100m).
- Speed: 10/100BaseT, half/full duplex, auto negotiation.
- Throughput is rated to pass 25mbps of data at distances up to 1500 ft. With proper headend equipment, multiple Megapixel cameras can be used.

Coax:
- Distance: up to 1,500 ft.
- Connectivity: BNC, RG-59/U or similar.

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

Environmental:
- Operating Temperature: 14ºF to 122ºF (−10ºC to +50ºC).
- Storage Temperature: −22º to 158ºF (−30º to +70ºC) Storage.
- Humidity: 20 to 85%, non-condensing.

Electrical:
- BTU/Hr.:
  - VDC: 1.69 - 4.46 BTU/Hr.

Electrical (cont'd):
  - VAC: 2.46 - 3.07 BTU/Hr.

Accessories:
- Composite video cable (included) - enables simultaneous composite video signal over the same Coax.
- Power connector.

Applications:
- Retrofit digital IP cameras in an analog CCTV installation.
- Works with Megapixel, HD720, HD1080 and VGA (SD) cameras.
- Extend Network link distance in an industrial environment.
- Upgrade deployed CCTV Coax to a digital network for Retail, Casinos, Airports, Schools, Hospitals, etc.
- Enables simultaneous transmission of composite and digital IP video.

Mechanical:
- Lightweight molded fiberglass reinforced polyester enclosure is corrosion resistant and does not contain halogens.
- Dimensions (W x L x H approx.): 2.5" x 3.8" x 1" (63.5mm x 96.52mm x 25.4mm)
- Product weight (approx.): 3.4 oz. (0.10 kg.).
- Shipping weight (approx.): 5.4 oz. (0.15 kg.).

Additional eBridge models:
- **eBridge1CT:** Single port ethernet transceiver (use with eBridge receivers).
- **eBridge1CRT:** Single port ethernet receiver and transceiver kit.
- **eBridge4CR:** Four (4) port ethernet receiver.
- **eBridge16CR:** Sixteen (16) port ethernet receiver.

* sloc is a registered trademark of Intersil Corporation.

Agency Approvals

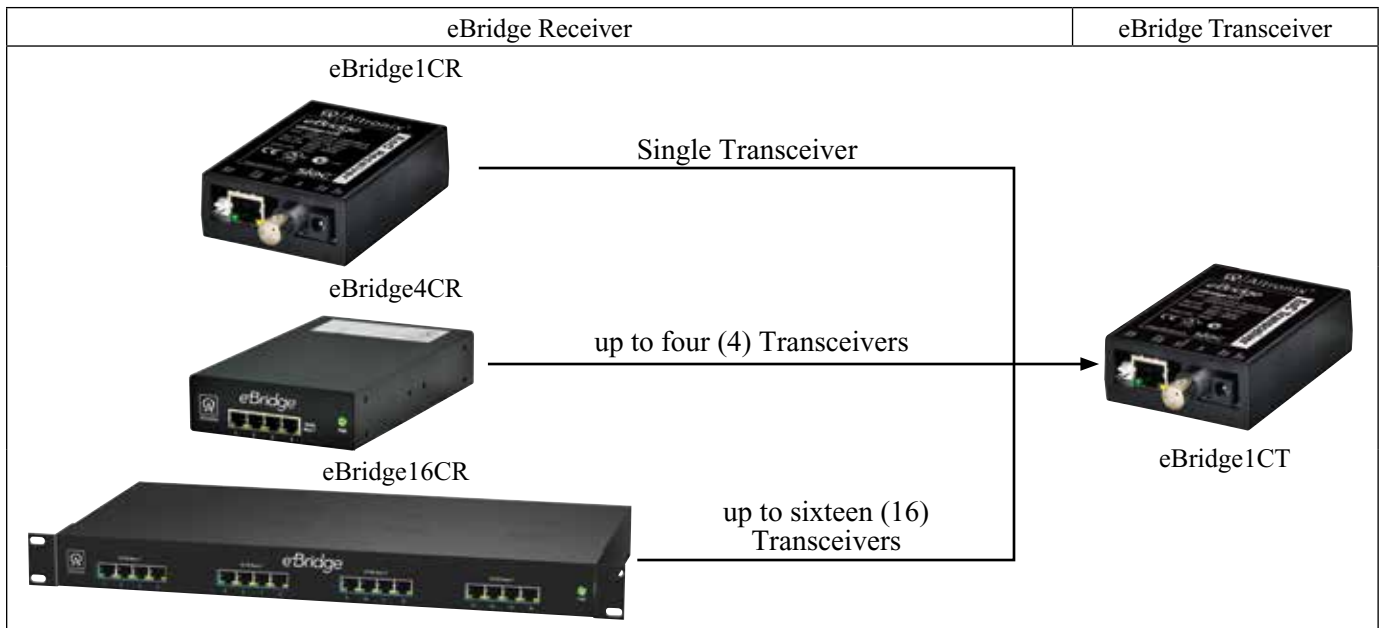c**UL**us US UL/CUL Listed for Information Technology Equipment (UL 60950-1).

CE European Conformity

C C-Tick Compliant Z1409

eBridge Receiver / eBridge Transceiver Compatibility:

Ethernet over Coax Solutions.

eBridge Receiver	eBridge Transceiver
eBridge1CR — Single Transceiver →	
eBridge4CR — up to four (4) Transceivers →	eBridge1CT
eBridge16CR — up to sixteen (16) Transceivers →	

eBridge Plus Receiver / eBridge Plus Transceiver Compatibility:

Ethernet and Power over Coax Solutions.

eBridge Plus Receiver	eBridge Plus Transceiver
eBridge1PCR — Single Transceiver →	eBridge1PCT (PoE)
eBridge1PCRX — Single Transceiver →	eBridge1PCT (PoE)
eBridge4PCRX — up to four (4) Transceivers →	
eBridge16PCRX — up to sixteen (16) Transceivers →	eBridge1PCTX (PoE/PoE+)
eBridge1PCRM — Single Transceiver →	