

eBridge4CR IP over Coax Receiver

Description

Altronix eBridge4CR 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 700m (over five times the 100m Ethernet maximum length), eliminating the need for repeaters. eBridge units transmit Composite Video Signal with Ethernet data simultaneously.



eBridge4CR

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 Approved.
- C-Tick compliant.
- Lifetime Warranty / Made in the U.S.A.

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.

* sloc is a registered trademark of Intersil Corporation.

eBridge4CR

IP over Coax Receiver

Specifications

Input

Voltage:
24VDC to 56VDC UL Listed Class 2 power supply (polarity not observed) or UL Listed 24VAC Class 2 plug-in transformer.

Power Consumption (under maximum load):
24VDC/440mA, 56VDC/220mA, 24VAC/800mA.

Ethernet

Four (4) ports.
Connectivity: RJ45, auto-crossover.
Wire type: 4-pair CAT5 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)
5.25" x 9.25" x 1.7" (133.4mm x 235mm 43.8mm).

Weight (approx.)

Product Weight 2.9 lbs. (1.32 kg).
Shipping Weight 3.9 lbs. (1.77 kg).

Temperature

Operating -10°C to 50°C (14°F to 122°F).
Storage -30°C to 70°C (-22°F to 158°F).

Relative Humidity 85% +/-5%.

Operating Altitude: -304.8 to 2,000m.

BTU/Hr. (approx.):
24VDC: 5 BTU/Hr.
56VDC: 6 BTU/Hr.
24VAC: 10 BTU/Hr.