Altronix®

eBridge16CR

IP over Coax Receiver

eBridge™

Altronix eBridge16CR 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 500m (over five times the 100m Ethernet maximum length), eliminating the need for repeaters. eBridge units transmit Composite Video Signal with Ethernet data simultaneously.

eBridge16CR

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

- Auto detection and protection of legacy non-PoE cameras/devices

- 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.

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/1500mA, 56VDC/700mA, 24VAC/2200mA

Ethernet

Sixteen (16) 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

1U rack mount chassis for use in standard EIA 19" rack.

Dimensions (H x W x D)
1.625" x 19.125" x 8.5" (42mm x 486mm x 216mm)

Weight (approx.)

Product Weight   6.17 lbs. (2.8 kg)

Shipping Weight   7.47 lbs. (3.39 kg)

Temperature

Operating   -10ºC to 50ºC (14ºF to 122ºF)

Storage   -30ºC to 70ºC (-22ºF to 158ºF)

Relative Humidity 85% +/-5%

Operating Altitude: -304.8 to 2,000m

BTU/Hr (approx.):

                   24VDC: 18 BTU/Hr.
                   56VDC: 20 BTU/Hr.
                   24VAC: 27 BTU/Hr.