

eBridge 1CR

eBridge 1CR Ethernet over Coax (EoC) Receiver



Overview

The eBridge 1CR Ethernet over Coax (EoC) Receiver enables the seamless integration of images from one hybrid camera, supporting easy and cost-effective migration towards an HD IP video surveillance solution. The receiver facilitates upgrades from analogue to IP cameras by utilising existing coax and thereby reducing installation costs and time.

The receiver allows IP Ethernet network data to pass at distances of up to 450m, and with a throughput of 25mbps, over RG-59/U or higher coax over a 10/100 network.

The receiver operates with input of 12V DC to 24V DC Class 2 power supply (polarity not observed) or 16V AC to 24V AC Class 2 plug-in transformer.

Features

Fast IP network data over coax

The receiver allows IP Ethernet network data to pass at distances of up to 450m, and with a throughput of 25mbps, over RG-59/U or higher coax over a 10/100 network.

Plug and play installation and reuse of legacy coax for fast and cost-effective deployment

The eBridge 1CR is a plug and play unit whose utilisation of existing coaxial cable significantly reduces installation time and

cost.

Specifications

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Input	12VDC to 24VDC Class 2 power supply (polarity not observed) or 16VAC to 24VAC Class 2 plug-in transformer.
Power Consumption	eBridge1CR/eBridge1CT: 12VDC/275mA, 24VDC/110mA, 16VAC/375mA, 24VAC/200mA.
Ethernet	Connectivity: RJ45, auto-crossover. Wire type: 4-pair Cat-5 or higher 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: 14°F to 122°F (--- 10°C to +50°C). Storage Temperature: -- 22° to 158°F (--- 30° to +70°C) Storage. Humidity: 20 to 85%, non-condensing.
Electrical	BTU/Hr.: - 12VDC: 1.69 BTU/Hr. - 24VDC: 4.46 BTU/Hr. BTU/Hr.: - 16VAC: 3.07 BTU/Hr. - 24VAC: 2.46 BTU/Hr.
Accessories	Composite video cables (included) - enables simultaneous composite video signal over the same Coax. Two (2) power connectors.
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" (63.5mm) x 3.8" (96.52mm) x 1" (25.4mm)
Product weight (approx.): 4 oz. (0.11 kg).
Shipping weight (approx.): 7 oz. (0.17 kg).

Units available individually:

eBridge1CR: Ethernet receiver enables IP video/data over Coax. Operates with compatible cameras/devices or eBridge1CT.
eBridge1CT: Ethernet transceiver enables IP video/data over Coax. Operates with eBridge1CR.

Gallery

