

## eBridge 16CR

eBridge 16CR 16 Channel  
Ethernet over Coax (EoC) Rack  
Mount Receiver



### Overview

The eBridge 16CR Ethernet over Coax (EoC) Receiver enables the seamless integration of images from sixteen different hybrid cameras, 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 24V DC to 56V DC UL Listed Class 2 power supply (polarity not observed) or UL Listed 24V AC Class 2 plug-in transformer.

### Features

#### **Fast IP network data over coax**

The receiver allows IP 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 16CR is a plug and play unit whose utilisation of existing coaxial cable significantly reduces installation time and

cost.

## Specifications

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Input	24VDC to 56VDC UL Listed Class 2 power supply (polarity not observed) or UL Listed 24VAC Class 2 plug-in transformer.
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Power Consumption	24VDC/1500mA, 56VDC/700mA, 24VAC/2200mA.
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Ethernet	<p>Sixteen (16) RJ45 ethernet channels.</p> <p>Connectivity: RJ45, auto-crossover.</p> <p>Wire type: 4-pair Cat-5 or higher structured cable.</p> <p>Distance: up to 328 ft. (100m).</p> <p>Speed: 10/100BaseT, half/full duplex, auto negotiation.</p>
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Coax	<p>Sixteen (16) BNC input channels.</p> <p>Sixteen (16) BNC composite video output channels.</p> <p>Distance: up to 1,500 ft.</p> <p>Connectivity: BNC, RG-59/U or similar.</p>
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Blue LED - Coax link connection.

LED Indicators	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.: - 24VDC: 18.43 BTU/Hr. BTU/Hr.: - 56VDC: 20.06 BTU/Hr. - 24VAC: 27.02 BTU/Hr.
Accessories	One (1) 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. Simultaneously use Composite Video matrix switch for monitor display and control, while the NVR is used for digital IP camera

recording.

eBridge is rated to pass 25mbps of data at distances up to 1500 ft.

With proper headend equipment, multiple Megapixel cameras can be used.

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Mechanical	<p>1U rack mount chassis for use in standard EIA 19" rack.</p> <p>Enclosure Dimensions (H x W x D approx.): 1.625" (41.275mm) x 19.125" (486mm) x 8.5" (216mm)</p> <p>Product weight (approx.): 6.17 lbs. (2.8 kg).</p> <p>Shipping weight (approx.): 7.47 lbs. (3.39 kg).</p>
Units available individually:	<p>eBridge1CT: Ethernet transceiver enables IP video/data over Coax. Unit operates with eBridge1CR and eBridge16CR receivers.</p>

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## Gallery

