

## SINGLE PORT ETHERNET OVER COAX BRIDGE

### Features

- Transmit standard IEEE 802.3 100BASE-TX traffic over 75- or 50-ohm coaxial cable.
- Long Distances: 100BASE-TX operation provides a minimum of 984 feet (300 meters) over RG6 and 492 feet (150 meters) over RG59; greater distances with 10BASE-T operation.
- Instantaneous transmission. No buffering or delays.
- 100Mbps Full Duplex Line speed up to rated distance (i.e., no throughput degradation as distance increases).
- Simple Installation. No programming or setup!
- Compatible with 10/100BASE-TX IP Network Devices.
- Completely Software Transparent.

### Applications

- Mega-Pixel & Multiple IP Camera support over coax.
- Long distance Ethernet traffic without repeaters.



### Overview

The Kenrik Technologies KR-E2C-001 single port bridge is a device that allows you to transmit Ethernet traffic over coaxial cable. The devices enable Full/Half duplex 10/100BASE-TX Ethernet traffic to be transmitted transparently over standard 75- or 50- ohm coax cable.

While generally supporting any Ethernet link, the devices are optimally suited for the security video market. They allow you to upgrade from an analog camera installation to an IP camera system without installing new Ethernet wiring by allowing transmission of Ethernet data over existing coaxial cabling. This saves significant time and money.

Each device has an Ethernet RJ45 jack and a BNC connector and uses 12VDC. Simply plug the camera into the Ethernet jack and connect the cable to the BNC connector on the camera side. On the other end of the cable run (typically the control room), connect the other device to the cable from the camera and to the Ethernet network. That's it!

### Advantages

- Reduce costs when upgrading to IP cameras. A pair of KR-E2C-001 costs less than replacing coaxial cable with Ethernet Cat5/6, and it saves time and labor too.
- Small and VERY simple to install. Just plug devices in. No configuration is required.
- Longer distances between network devices without repeaters.
- Power not required for each device. One unit can remotely power another unit over the coaxial cable.
- Least expensive solution on the market!

### Specifications

#### Network Interface

Ethernet: IEEE 802.3 10/100BASE-TX  
Full/Half Duplex  
Connector: RJ45

#### Coaxial Interface

Connector: BNC  
Impedance: 75 ohms or 50 ohms

#### Power

12VDC @ 20mA

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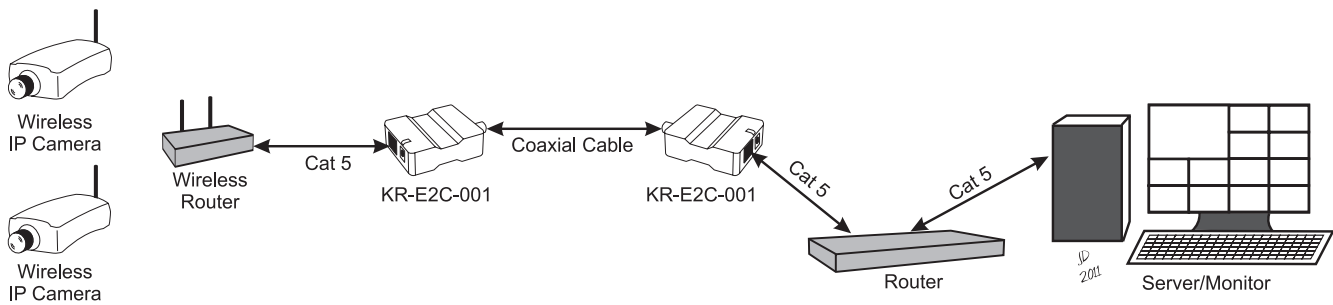
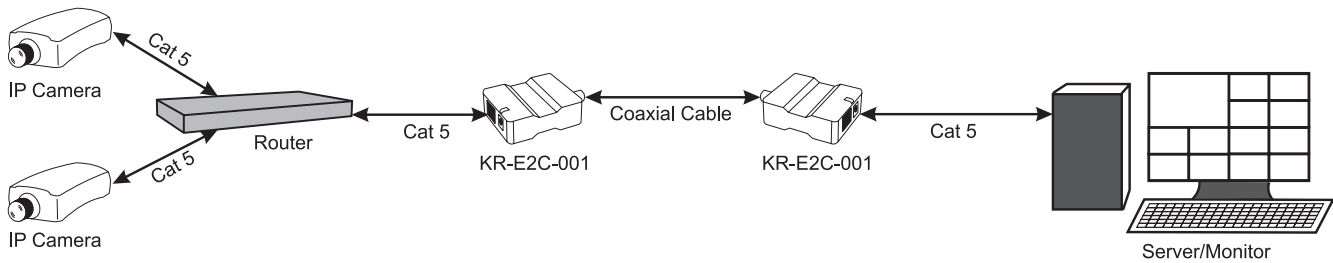
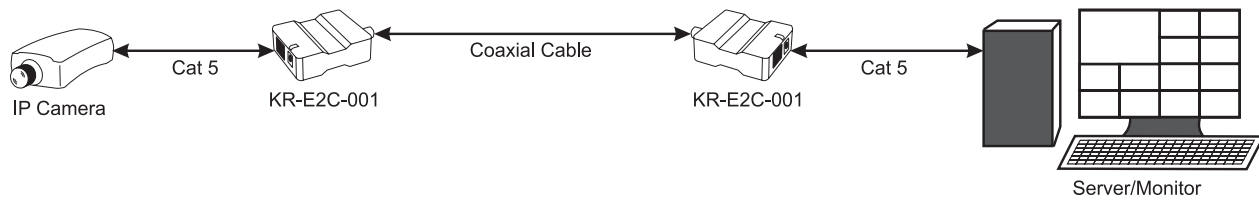
## Environmental

Relative humidity: 90%, non-condensing  
 Operating Temperature: -20°C to +50°C (-4°F to +122°F)  
 Warranty: Three years

## Mechanical

Dimensions: 0.91x2.13x4.0 Inches (23x54x102mm) HxWxL  
 Unit Weight: 4 oz., (113g)  
 Material: Plastic  
 Compliance: FCC, CE RoHS, UL/CSA (pending)

## Typical Configurations



## Ordering Information

PART # KR-E2C-001 Description: Single Port Ethernet Over Coax Bridge

\*Specifications subject to change without notice.

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