❖ **EOC-110Kit Product Overview:**

RJ-45 Connector Attaches to Cat5 or

Cat6 patch cable.

EOC-110V

Female BNC Connector

Attaches to 75Ω coax cable.
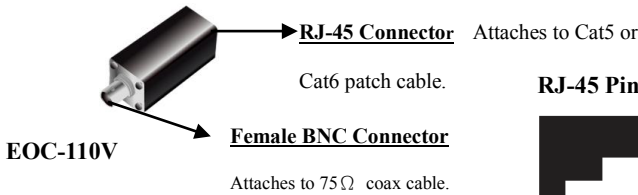
RJ-45 Pin Assignment
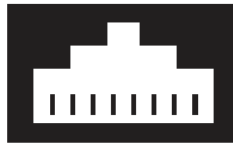
8 7 6 5 4 3 2 1
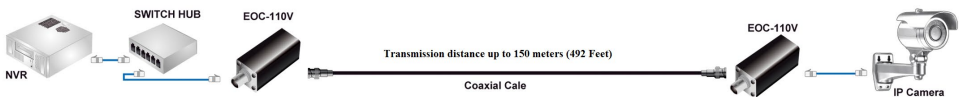
Pin 1: Rx +

Pin 2: Rx -

Pin 3: Tx +

Pin 6: Tx -

❖ **Product Feature:**

➢ Transmits up to distances of 150 meters ∕ 450 feet.

➢ Supports any 10/100M Ethernet device, including IP cameras.

➢ Fully transparent to the network.

➢ Easy to install, no IP and MAC address configuration required

❖ **Product Application Diagram**

SWITCH HUB   EOC-110V   EOC-110V

NVR

Transmission distance up to 150 meters (492 Feet)

Coaxial Cale

IP Camera

❖ **Installation Notes:**

1. Please use <u>75 Ohm</u> coaxial cable and BNC connector for the data transmission.

2. Please use <u>less than 2 meters</u> Category 5, 5E or 6 UTP patch cable to connect IP camera or Switch HUB.

3. Some IP cameras built in pigtail cable which with none standard Cat. 5 UTP cable, it will cause the shorter transmission distance or no communication.　Please confirm this issue to your IP camera vendor.

4. Please measure the coaxial wire distance, use only transceivers that are designed for that distance.

5. <u>To avoid the terminator problem, before connecting the LAN cable from EOC-110V to HUB, please connect the coax cable between both EOC-110V devices and the LAN cable between IP camera & EOC-110V first.</u>

6. The quality of coaxial cable will reduce or increase the transmission distance.　The EOC-110Kit is tested for use with RG59U 75 Ohm copper based 20AWG coaxial cable.

7. That is free from damage as in cuts, breaks, or cracks to the outer covering and insulated shielding which may compromise the signal conductivity of the cable.

8. For safety, DO NOT put EOC signals in the same conduit as high-voltage wiring.

For more specific information regarding wire types, gauges, and proper installation techniques, please call Tech Support at 886-3-5103001 or email to support@i-view.com.tw

✦ Installation Steps:

1. Connect the EOC-110V unit's RJ45 Ethernet jack to the IP camera using a standard Cat5 or Cat6 patch cable and EOC-110V unit's BNC socket to a 75 ohm coax cable with BNC connector.

2. Connect the EOC-110V unit's (Which on the HUB site) BNC socket to a 75 ohm coax cable with BNC connector, then plug the a standard Cat5 or Cat6 patch cable to EOC-110V unit's RJ45 Ethernet jack to the Switching HUB.

3. In order to get better transmission distance, the Ethernet patch cable should be a standard Cat5 or Cat6 cable and <u>less than 2 meters</u>.

✦ Troubleshooting:

The following table describes some of the symptoms, probable causes and possible solutions

Problem	Possible Cause
Hub LED indicator is OK, but no video	✓ Check RJ45 pin define of IP camera and EOC-110V should be matched. ✓ Check IP camera and EOC-110V device connections. ✓ Check coax cable condition and BNC connectors is 75 Ohm, or cable short ✓ Check cable that cable distances do not exceed EOC-110V operating distance. ✓ Check the built in jumper cable of IP camera used non- standard Cat. 5 cables.
Network lost	✓ Check network switch termination(s) & link status. ✓ Check network routing table(s). ✓ Confer with site Network Administrator.

✦ Specification:

Item \Model	EOC-110V
Ethernet	**Connector:** RJ-45 **Speed:** 10/100Base-T full-duplex
Coaxial	**Connector**: BNC 75 Ohm **Cable**: Any 75 Ohm coax cable **Distance:** 200 meters via RG6 (139 Ohm/Km) cable run with EOC-100V **Bandwidth:** 100M Bits/Second
Size/Weight	55 x 25 x 25 mm / 60g
Environment	**Operation:** -20℃ to 70℃ ; 20% ~ 85% non-condensing

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