IDIS

Ethernet over Coax Transceiver

Operation Manual

DA-EC1101R
DA-EC1101T

Powered by Direct IP™

Before Using the Product

FCC Compliance Statement

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received,

including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

User's Caution Statement

Caution: Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Product Overview

DA-EC1101R / DA-EC1101T is a networking device(EOC: Ethernet Over Coax) that uses coaxial cables. It makes it possible to supply Power over Ethernet and transmit data between a network camera that uses RJ45 port and a DVR using coaxial cables.

Product Features

- Makes it possible to install Full-HD network cameras using existing coaxial cables.
- 10/100Base-T two-way communication allows use of the product as a transmitter or a receiver.
- Supports PoE (IEEE 802.3af, IEEE 802.3at)
- Supports Plug & Play without setting up special IP addresses.
- Supports up to 800 meters in distance.

Accessories

The product consists of the following components.

Main unit
(DA-EC1101R / DA-EC1101T)

48V DC adapter & 220V power cable (DA-EC1101R only)

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MAC address sticker

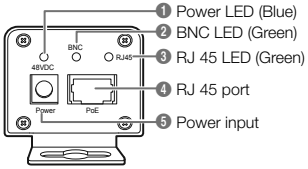
MAC Address is required for warranty services. Please keep the sticker attached on the product.

First, connect the adapter to the product. Then, turn the device On. If the adapter is connected while the switch is turned On, it may cause an electric spark. Be careful when using the product at a gas station or near combustible substances.

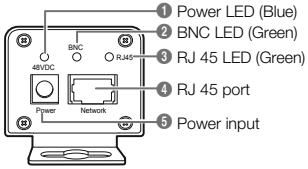
Overview

Front

DA-EC1101T

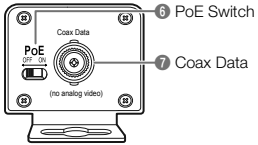


DA-EC1101R

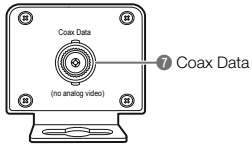


Back

DA-EC1101T



DA-EC1101R



1	**Power LED**	LED turns on when power is connected.
2	**BNC LED**	LED turns on when BNC cable is connected.
3	**RJ 45 LED**	LED turns on on when a RJ45 UTP cable is connected.
4	**RJ 45 port**	Use the RJ45 port to connect the UTP cable.
5	**Power input**	Connect a 48V DC adapter. Connect the adapter first before turning the device On.
6	**PoE Switch**	Turns PoE On or Off. Turn PoE Off if the product connected to the RJ45 port does not support PoE power input. Its factory default is set to Off.
7	**Coax Data**	Connect BNC cable.

Installation

1 Connect DA-EC1101R's RJ45 port to the Video In port or a hub attached to a Video In port of DirectIP™ NVR using a network cable.

2 Connect DA-EC1101T's RJ45 port to the network port of DirectIP™ camera using a network cable.

If DA-EC1101T EOC requires PoE power supply, turn the PoE Switch of DA-EC1101T to On.

3 Connect DA-EC1101R and DA-EC1101T using a coaxial cable.

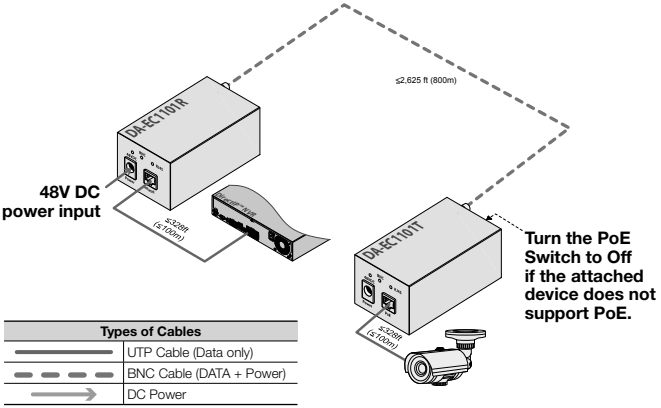
4 Connect the included 48V DC adapter to the Power Input port of DA-EC1101R.

First, connect the adapter to the product. Then, turn the device On. If the adapter is connected while the switch is turned On, it may cause an electric spark. Be careful when using the product at a gas station or near combustible substances.

5 DA-EC1101R and DC-EC1101T will turn on at the same time and the 48V DC LED on the product will be lit.

6 Refer to the installation layout and install the product.

Installation Layout



Specifications

Model	DA-EC1101R / DA-EC1101T
RJ45	10/100
Coaxial cable	3C or higher
Power	48V
Maximum data transfer distance	800m (Distance varies by class when using PoE transmission.)
Maximum data transfer speed	95Mbps
PoE	IEEE802.3af, IEEE 802.3at
Weight	150g
Dimensions (W)X(D)X(H)	100 X 43 X 39 (mm)

IDIS Co., Ltd.

For more information, please visit at
www.idisglobal.com

Ver. 1.00