



BNC Converter

Operation Manual

DA-BE1101

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

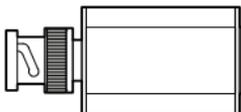
DA-BE1101 connects to an EoC (Ethernet Over Coax) exchanger (Manufacturer's model: DA-EC1101 series) to convert coaxial cables into UTP cables for use with the EoC exchanger.

Product Features

- Enables use of UTP cables where they offer greater advantage over coaxial cables.
- Supports the EoC exchanger's PoE feature.
- Supports the EoC exchanger's data transmission feature.
- A plug & play device that requires no configuration. Simply connect and start using.

Accessories

This product includes following accessories:

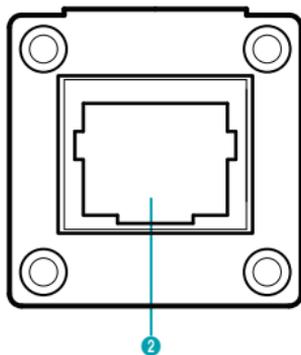
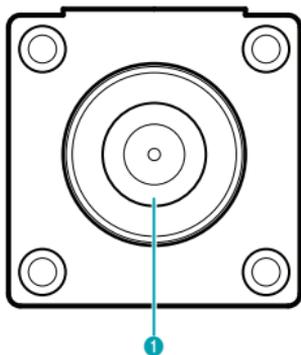


Main Unit
(DA-BE1101)



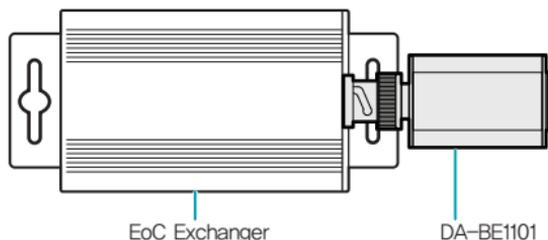
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Parts and Features

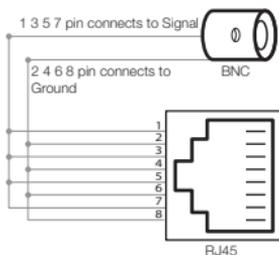


| | | |
|---|------------------|---|
| 1 | BNC Port | Used to connect to the EoC exchanger's BNC connector. |
| 2 | RJ45 Port | Used to connect the UTP cable. |

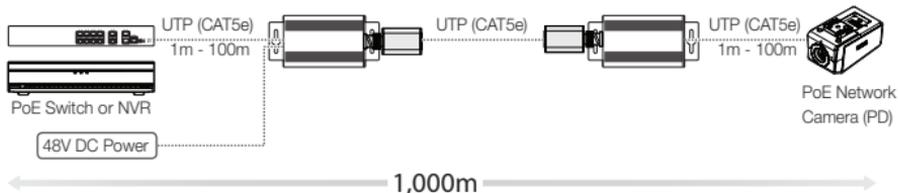
Installation



DA-BE1101 is used in conjunction with an EoC exchanger as shown above. The coaxial cable's '+' uses pins 1, 3, 5, and 7 of DA-BE1101's RJ45 port and '-' uses pins 2, 4, 6, and 8. DA-BE1101 does not use the T568B standard and therefore cannot be used with standard LAN ports or analog image baluns.



Usage Example



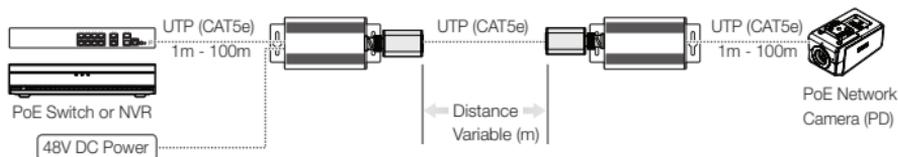
Maximum supported distance may vary depending on product installation. Refer to data transmission measurements over distance.

Specifications

| | |
|-----------------------------------|--|
| Model | DA-BE1101 |
| Data & Power I/O | BNC & RJ45 |
| Coax Cable | 3C or above |
| UTP Cable | Cat5e or above |
| Power | DC 48V |
| PoE | PoE, PoE+, Extra PoE supported |
| Data Bandwidth | 10/100Mbps |
| Maximum Extension Distance | * Refer to data transmission measurements over distance (see page). |
| Temperature | Operating Temperature: -20°C ~ 80°C Storage Temperature: -40°C ~ 85°C |
| Humidity | Max. 95% |
| Weight | 31g |
| Dimensions | 52.5 x 24 x 24.5 (mm) |

Data Transmission Measurements over Distance

Data transmission measurements over varying distances (m) under the following set up:



| Distance Variable (m) | Bandwidth (Mbits/sec) |
|-----------------------|-----------------------|
| 10 | 95 |
| 100 | 95 |
| 200 | 92 |
| 300 | 85 |
| 400 | 75 |
| 500 | 61 |
| 600 | 42 |
| 700 | 41 |
| 800 | 39 |
| 900 | 38 |
| 1000 | 37 |
| 1100 | 32 |
| 1200 | 25 |
| 1300 | 25 |
| 1400 | 24 |
| 1500 | 24 |
| 1600 | 24 |
| 1700 | 23 |
| 1800 | 23 |
| 1900 | 23 |
| 2000 | 23 |
| 2100 | 23 |
| 2200 | 22 |



Above data values were taken at the manufacturer's laboratory and may vary somewhat under actual usage conditions.



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