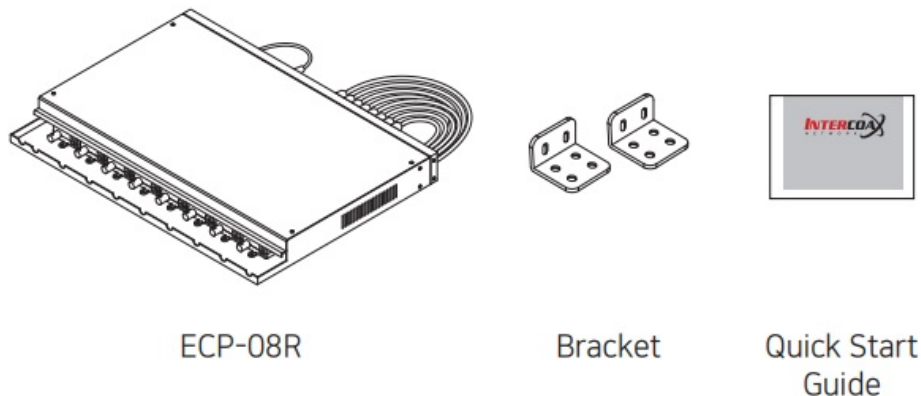# Manuals+

Contents [hide]

INTERCOAX ECP-08R IP Over Coax Extender

Please read the instruction manual carefully before use. The contents of this manual are subject to change without prior notice for reasons such as functionality enhancements.

Package

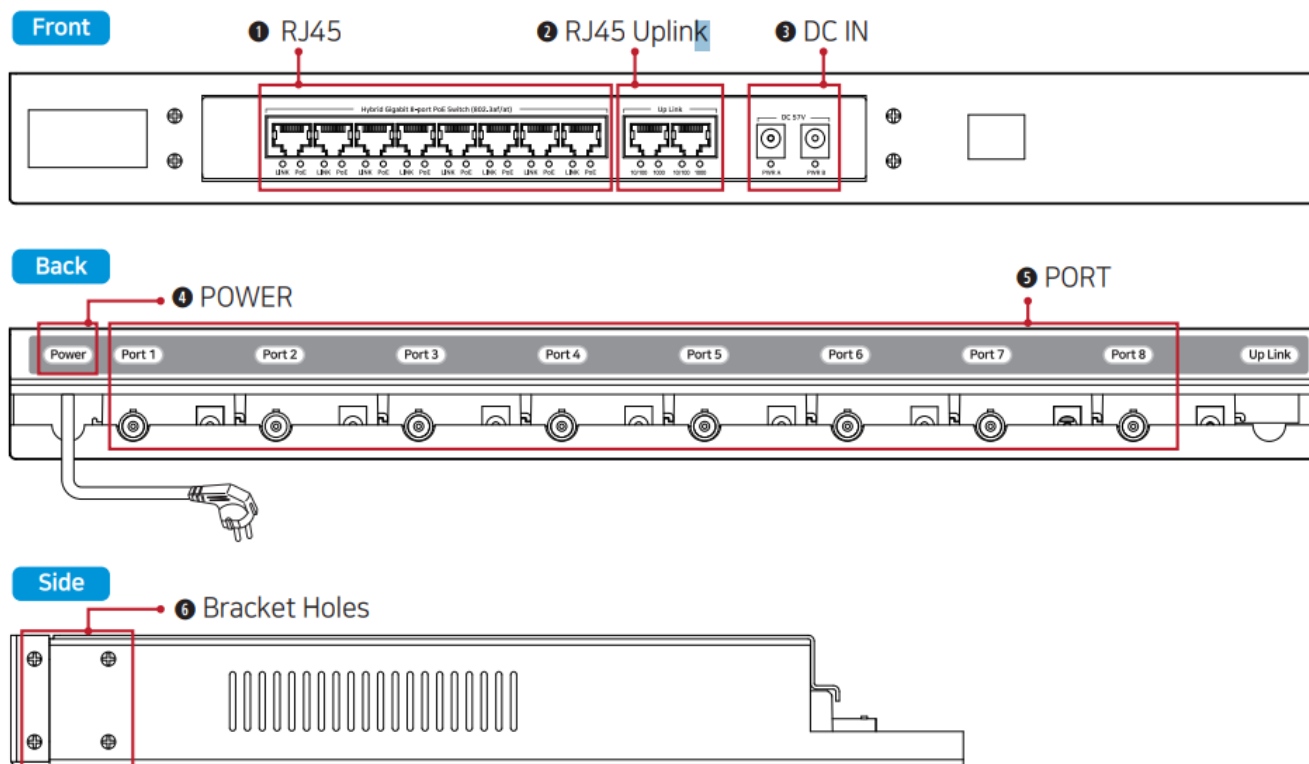ECP-08R   Bracket   Quick Start Guide

Overview

ECP-08R is an all-in-one 8-port Ethernet over Coax receiver and Hybrid switch that simultaneously transmits network data and supplies PoC power at high speed and long distance via coaxial cable, while also supporting existing Ethernet and PoE+ for short and long distances. It is a cost-effective and time-saving solution to migrate from an existing analog system to an IP-based system. Network cameras are easy to install by reusing the existing analog coaxial cables. At the same time, it is possible to use general Ethernet, and if combined with the HPS-01 switch, transmission can be extended up to 200m at a speed of up to 100 Mbps. A premium 150W single power supply is included.

Features

- Simultaneous use of regular Ethernet and PoC
- Ethernet Extension over existing coaxial cable
- Data + Power over Coaxial cable (PoE, PoC)
- Data + PoE up to 400m over Coax
- 100 Mbps Full Duplex over Coax
- PoE, PoE+, Extra PoE (Max.60W Output) – Use of additional power adaptor
- Quality LED (Data, Power)
- Plug & Play
- Surge protector
- 10/100/1000 Base-T Ethernet (Full Duplex) 8+2 Hybrid PoE Switch
- 8 Port POE (IEEE802.3af standard) / PoE+ (IEEE802.3at standard)
- Extended Ethernet distance up to 200m (10/100 Base-T Ethernet standard with the HP-01 Switch)
- 150W Single power supply included
- 19" Rack

Hardware Overview

1. **RJ45:**

10/100/1000 Bse-T Ethernet Port / 8 Ports PoE+ (IEEE 802.3 af/at / Max. 25.5W)

2. **RJ45 Uplink:**

   10/100/1000 Base-T Ethernet Uplink Port

3. **DC IN:**

   DC Power Input

   → ECP-08R uses only one big power supply.

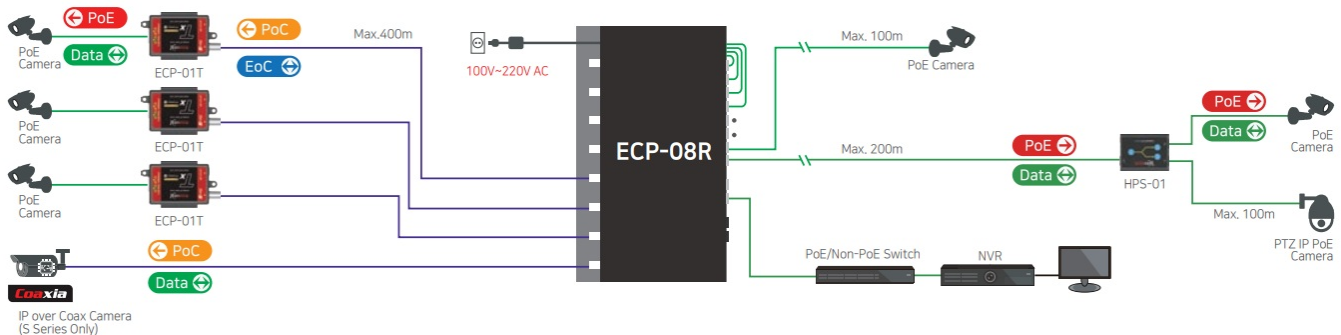4. **POWER:**

   Recommended use: 100V~220V AC

5. **PORT:**

   Each port of the ECP-08R connects to an ECP-01T via coaxial cables (3C, RG58 or better)

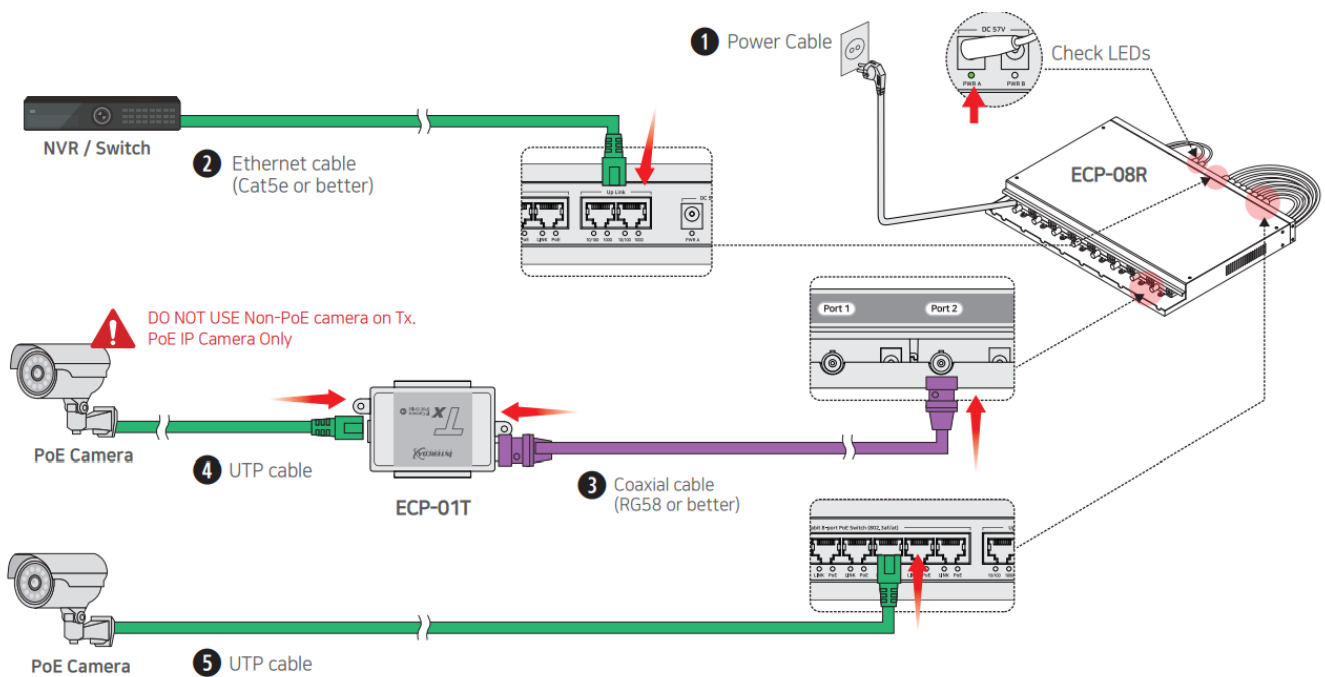6. **Bracket Holes:**

   Used to fix the product to the rack

Applications

Installation Guide

1. Plug the Power on ECP-08R and check if the Power LEDs are properly lit.
2. Connect the Switch or NVR to the Uplink of the ECP-08R with a UTP cable (LAN, Cat 5 or superior). Check if the LED of the ECP-08R is turned on properly.
3. Connect the ECP-08R to the ECP-01T with a coaxial cable (3C, RG58, or superior).
4. Connect the ECP-01T to the IP camera with a UTP cable (LAN, Cat 5 or superior). Check if the LED of the ECP-01T is turned on properly.
5. Connect the PoE IP camera to the Ethernet port with a UTP cable (LAN, Cat 5e or superior). Check if the Ethernet LED is turned on properly.

Specification

Model		ECP-08R
Interface	Coax	8 x 75Ω BNC (Female) – Ethernet over Coax (Coaxia S series)
	Ethernet Downlink	8 x RJ-45 – 10/100/1000 Base-T with Autodetect MDIX (IEEE802.3af/at)
	Ethernet Uplink	2 x RJ-45 – 10/100/1000 Base-T with Autodetect MDIX
Transmission Rate	Coax	Max. 100 Mbpss between Intercoax devices
	Ethernet	Max. 1 Gbps Full Duplex
Transmissio	Coax	up to 400 m (RG-59 or better)

n Distance		
	Ethernet	Up to 100m Up to 200m with HPS-01(2 Port Hybrid Switch)
LED Indication	Ethernet (Downlink)	8 x RJ45 Data Link (Green)
	Ethernet (Uplink)	2 x RJ45 Data Link (Green/Orange)
	PoE Output	8 x PoE Output (Orange)
	PWR Input	2 x Power Input (Blue)
Power Input		1 x Power input [DC-JACK] DC48V/3A
Power Output	PoC	Coaxia PoE, PoE+, Extra PoE Max 60W over Coax.
	PoE	IEEE802.3af(PoE), IEEE802.3at (PoE+ / up to 25.5W)
Mechanical	Dimension	440(L) x 320(W) x 45(H)mm
	Weight	4480g
Environment	Operating Temp	-10 ~ 60°C
	Storage Temp	-30 ~ 80°C
	Relative Humidity	10% ~ 90%
	Certification	FCC, CE, KC, RoHS

Compliance	Surge Protection	IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)
Optional Accessories		ECP-01T, ECP-101T, Coaxia S Series Cameras & Etc.

Caution

- DO NOT USE a Non-PoE camera with an ECP-01T.

  (PoE IP Camera Only)
- Please install the devices following the installation guide.
- Do not touch the device and cable with wet hands.
- Keep away from moisture and shock.
- Do not install near any heat sources such as radiators, heat registers, stoves,o orther apparatus that produce heat.
- Indoor use only. (Usa e a waterproof junction box when it is used outdoors)
- Do not use for other purposes.
- Do not disassemble or modify this device.
- Do not put stickers or paint on it.
- If this device is defective or malfunctioning, please unplug the power source immediately and contathe ct the dealer or the service center.
- Please use the rated power supply for the product.
- Connect DC power to this device first and then to the AC outlet.

Warranty

- This device has passed the quality control and product inspection.
- Please install and use according to the installation guide.
- The warranty period for this product is 24 months from the date of purchase.

- If this device is defective or malfunctioning, please unplug the power adapter immediately and contact the dealer or the service center.
- Any damages or breakage from the user's abuse, accident, modification, or natural disasters will not be covered manufacturer's warranty.

CONTACT

Please visit the website below for more detailed information.
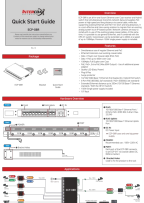Web: http://www.intercoax.com Tel: +82. 31. 365. 3133~4 E-mail: info@intercoax.com
Fax: +82. 31. 365. 3135

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

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Documents / Resources

	INTERCOAX ECP-08R IP Over Coax Extender [pdf] User Guide ECP-08R IP Over Coax Extender, ECP-08R, IP Over Coax Extender, Coax Extender

References

- ◪ intercoax.com
- User Manual

🏷 Coax Extender, ECP-08R, ECP-08R IP Over Coax Extender, INTERCOAX, IP Over Coax
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