ECP-101T/R Single Port Ethernet over Coax Transmitter / Receiver (Multicast)
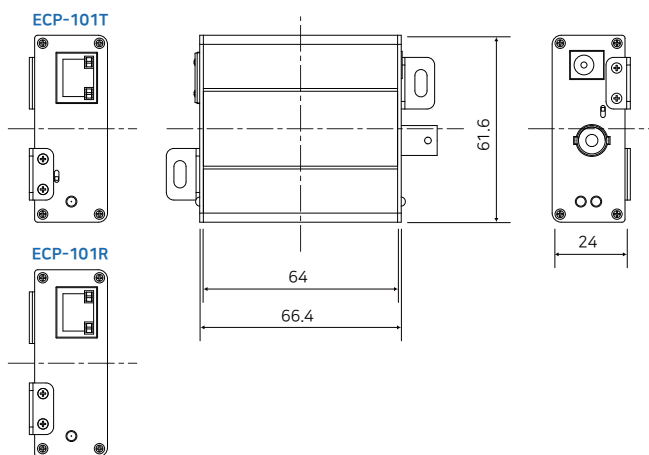
Overview

ECP-101 Series are High-Speed, long distance Ethernet & PoE extender that makes possible to transmit the Ethernet signal and PoE up to 700m through Coax cables in different situations.

It is cost-effective and time saving solution to migrate existing analog system to IP based system since ECP-101 supports easy installation utilizing the existing Coax cable.

With long distance transmission feature, the device makes to overcome 100 meters distance limitation easily and reduces the construction cost significantly compared with fiber optic configuration.

Dimension
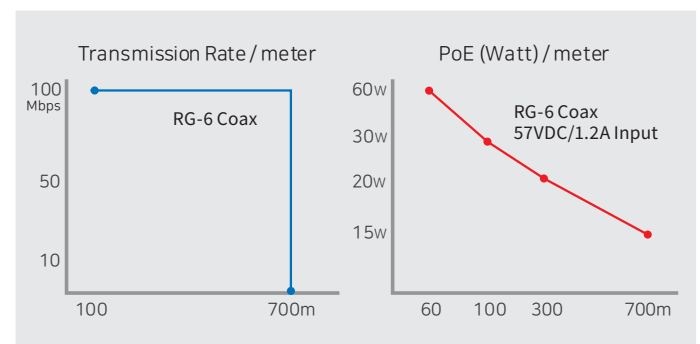
ECP-101T

ECP-101R

Features

- Ethernet Extension over existing coaxial cable
- Data + Power over Coaxial cable
- Data and PoE distance up to 700m
- Max. 100Mbps Bandwidth
- 10/100 Full Duplex
- Multicast supported
- PoE, PoE+, Extra PoE (Max. 60W output) (ECP-101T only)
- PoE ON/OFF Switch (ECP-101T only)
- Quality LED (Data & Power)
- Plug & Play
- Surge Protection
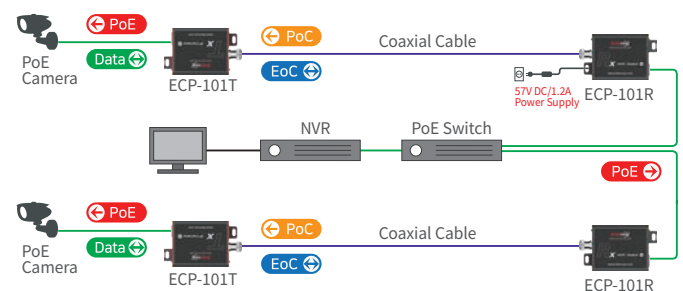- Support PoE+ Input (25.5W) from PSE devices – ECP-101R Only
- Compact design

Specification

Model		ECP-101T	ECP-101R
Interface	Coax	1 x 75Ω BNC (Female) - Ethernet over Coax (B-LinX)	
	Ethernet	1x RJ45 - 10/100 Base-T with Manual selection	
Transmission Rate		10/100Mbps Full Duplex	
Transmission Distance	Ethernet	up to 700 m (RG-6)	
	PoE (PoC)	up to 700 m (RG-6 / 15W output)	
LED Indication	Ethernet	1 x Link / Act (Green) / 1 x PoE (Green)	
	EoC	1 x Link (Blue) / 1 x Act (Green)	
	Power	1 x Power On(Green)	
Power	Input	B-Linx or DC48V~57V	
	PoE Output	IEEE802.3af(PoE), IEEE802.3at (PoE+), Extra PoE up to 60W	PoE Not Supported PoC Only
	PoE Input	Not Supported	Up to 25.5W (PD)
Mechanical	Dimension	66.4(L) x 61.6(W) x 24(H)mm	
	Weight	77g	
Environment	Operating Temp	-20 ~ 60°C	
	Storage Temp	-30 ~ 80°C	
	Relative Humidity	10% ~ 90%	
Compliance	Certification	FCC, CE, KC, RoHS	
	Surge Protection	IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)	
Optional Accessories		57VDC / 1.2A External Power Supply	

Performance chart

Connection Diagram

- ▶ Transmission distance may vary depending on the type and quality of cable, use of power and environmental condition.
- ▶ Distance is based on RG-6 coax cable and 7 Watt IP Camera.