Ethernet & PoE over Coax

SVECP-101T/R ▶ Single Port Ethernet over Coax Transmitter / Receiver

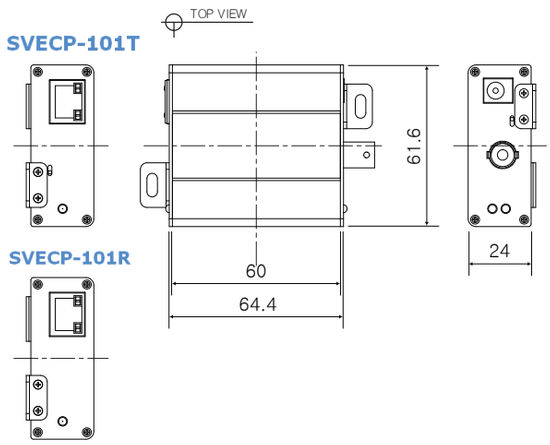
⇦ Overview

SVECP-101 Series are High-Speed, long distance Ethernet & PoE extender that makes possible to transmit the Ethernet signal and PoE up to 600m through Coax cables in different situations.

It is cost-effective and time saving solution to migrate existing analog system to IP based system since SVECP-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



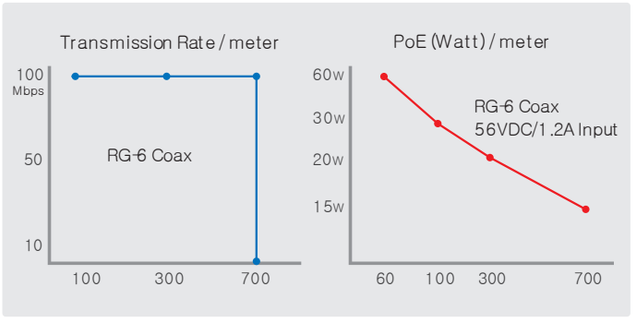
⇦ Features

- 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)
- Quality LED (Data & Power)
- Plug & Play
- Support PoE+ Input (25.5W) from PSE devices – ECP-101R Only
- Compact design

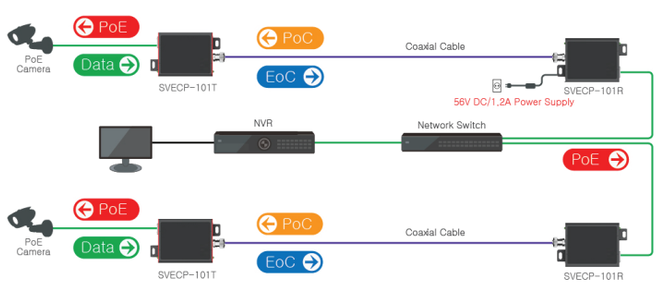
⇦ Specification

Model		SVECP-101T	SVECP-101R
Interface	Coax	1 * 75Ω BNC (Female) – Ethernet over Coax (B-LinX)	
	Ethernet	RJ45 – 10/100 Base-T with Auto-detect MDIX	
Transmission Rate		100Mbps Full Duplex	
Transmission Distance	Ethernet	up to 700 m (RG-6 Coax Cable)	
	PoE (PoC)	up to 700 m (RG-6 / 57VDC Input / 7W camera)	
LED Indication	Ethernet	1 – Link / Act (Green) / 1– PoE (Yellow)	
	EoC	1 – Link (Green) / 1– Act (Yellow)	
	Power	1 – Power On(Blue)	
Power	Input	DC12V~DC57V	
	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	64.4(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	
	Surge Protection	IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)	
Optional Accessories		56VDC / 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.