

SC-IPC07PU

'Ethernet + PoE' over UTP

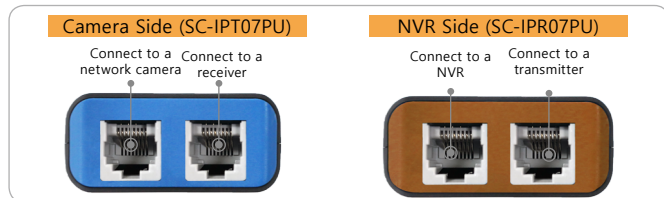
SC-IPC07PU, consisting of SC-IPT07PU(1-ch transmitter) and SC-IPR07PU(1-ch receiver), transmits Ethernet data and power via a UTP cable. Its built-in power supply function (IEEE802.3at) operates the transmitter(SC-IPT07PU) and the PoE camera from the receiver(SC-IPR07PU) without separate power lines. It compensates for the short distance of a conventional network system by transmitting Ethernet data over long distances.



Features

- Transmission of 'Ethernet data + power (PoE)' via a UTP cable
- Enabling the power supply (PoE) of a PoE camera (~30W)
- Ethernet data transmission up to 800m via Cat.5e (based on 10Mbps)
- Built-in 10/100Mbps bandwidth switch (expansion switch) to optimize the transmission bandwidth according to distance
 - 100Mbit/s: max.500m(Cat.5e) / 10Mbit/s: max.800m(Cat.5e)
- PoE ON/OFF switch mounted on the transmitter (SC-IPT07PU)
- Inexpensive solution by keeping existing UTP cables
- Reduction of construction costs and time without separate power lines
- Autodiagnostic function for stable power supply
- MULTICAST is supported
- Compact size for easy installation (wall brackets included)
- Built-in surge protection circuit

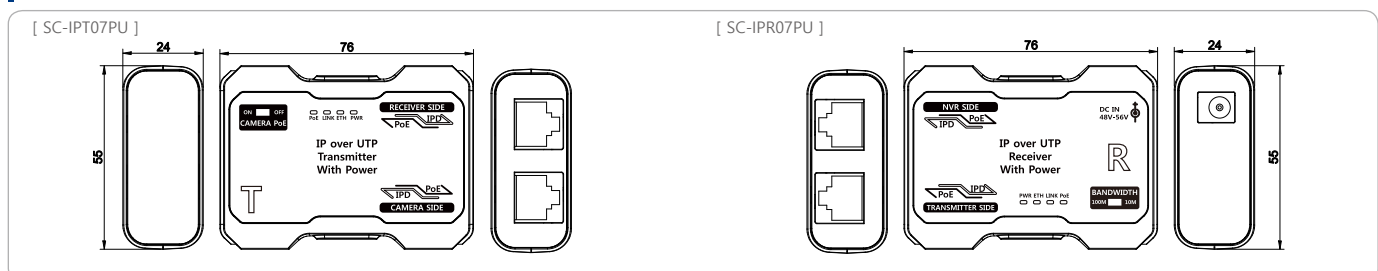
Interface of SC-IPC07PU



Specifications

MODEL	SC-IPT07PU (1CH Transmitter)
Max. Digital Transmission Bandwidth	TCP Rate: 100Mbps (Bandwidth Switch: 100Mbps Mode)
Max. Self-Power Consumption	2W
Power Input	PoC (Power over Coax) from SC-IPR07PU
Power Output	Midspan PoE
Max. Power(PoE) Supply	30W
Max. Transmission Distance	Cat.5e : 500m(100Mbps), 800m(10Mbps)
Temperature / Humidity	-10°C ~ +50°C / 0 ~ 80%
Connection Port	RJ-45 X 2
Case Body / Weight	ABS / 52g
Dimensions (mm)	76(W) x 55(H) x 24(D)
MODEL	SC-IPR07PU (1CH Receiver)
Max. Digital Transmission Bandwidth	TCP Rate: 100Mbps (Bandwidth Switch: 100Mbps Mode)
Max. Self-Power Consumption	2W
Power Input	DC 48V~56V Adapter or PoE
Max. Power(PoE) Supply	30W
Max. Transmission Distance	Cat.5e: 500m(100Mbps), 800m(10Mbps)
Temperature / Humidity	-10°C ~ +50°C / 0 ~ 80%
Connection Port	RJ-45 X 2
Case Body / Weight	ABS / 54g
Dimensions (mm)	76(W) x 55(H) x 24(D)

Dimensions



NEW

[SC-IPT07PU]



[SC-IPR07PU]



[Wall mount brackets for Tx/Rx.]



[DC 48V or 56V Adapter]



Max. Transmission Distance

100Mbps	10Mbps
500m	800m

※ Bandwidth can be set by the bandwidth switch on the receiver (SC-IPR07PU).

Max. Power(PoE) Supply by Distance

Transmission Distance (CAT.5e)	Transmission Bandwidth	PoE Supply with DC48V Adapter	PoE Supply with DC56V Adapter	Cable Loop Resistance(Ω)
100m	100Mbps	30W	30W	18.2
200m	100Mbps	17.2W	30W	36.2
300m	100Mbps	11.4W	22W	54.7
400m	100Mbps	8.6W	16.6W	72.9
500m	100Mbps	6.86W	13.3W	90.8
600m	10Mbps	5.8W	11.2W	111.1
700m	10Mbps	4.9W	9.6W	128.7
800m	10Mbps	4.2W	8.3W	147.4

Application Diagram

