

SC-IPC1201TW

2-wire IP + PoE

SC-IPC1201TW consists of SC-IPT1201TW (Transmitter) and SC-IPR1201TW (Receiver). The transmission of IP signals over long distances is possible via 2-wire for power and communication. In addition, it is possible to power the camera by PoE, eliminating the need for a separate power line, shortening the construction time and reducing the construction cost.



Features

- Long-distance network data transmission and PoE via 2-wire type communication cable and power cable
- Transmission distance (Max.): TP-Cable : ~ 700m / T-Cable : ~ 200m
- Supplies power to IP PoE camera (PoE Type B support)
- Receiver (SC-IPR1201TW) can get extra power from adapter
- Safe power transmission with automatic line diagnosis function
- PoE ON / OFF Switch on transmitter
- Built-in surge protection circuit

Specification

| MODEL | | SC-IPT1201TW |
|---|----------------|---|
| Power output | | Midspan PoE (Type B only, On/Off via PoE switch) |
| Transmission bandwidth | | 1Gbps (PHY RATE) |
| Connection port | Receiver Side | Terminal Block(24 ~ 12AWG) |
| | Camera Side | RJ-45 (TIA/EIA568B Type) |
| | Extra Power In | DC-Jack |
| RJ-45 Connector | | 1Pin : TX +, 2Pin : TX-, 3Pin : RX+, 4Pin : PWR+ 5Pin : PWR+, 6Pin : RX-, 7Pin : PWR-, 8Pin : PWR- |
| LED indicator | Link | LED OFF : Not Link |
| | | Orange ON/Blink : Poor Link |
| | | Green ON/Blink : Link OK / Act OK |
| | PWR | Green ON : Successful connection |
| Orange Blink : Pairing Red Blink : Power supply failure to camera (short circuit, open circuit, overcurrent) Red On : PoE switch Off status | | |
| PoE Switch | | ON : PoE supply to camera OFF : No PoE power supply |
| Temperature / Humidity | | -10°C ~ +50°C / 0 ~ 80% |
| Case Body / Weight | | Aluminum / 162g |
| Dimensions(mm) | | 148(W) x 60(H) x 25(D) |

| MODEL | | SC-IPR1201TW |
|------------------------|-----------------|--|
| Power input | | DC 48V/56V Adaptor or PoE(IEEE802/3at) |
| Power consumption | | 6W |
| Transmission distance | | 300-400m |
| Transmission bandwidth | | 1Gbps (PHY RATE) |
| Connection port | Trasmitter Side | Terminal Block(24 ~ 12AWG) |
| | NVR Side | RJ-45 (TIA/EIA568B Type) |
| | Power In | DC-Jack |
| RJ-45 Connector | | 1Pin : TX +, 2Pin : TX-, 3Pin : RX+, 4Pin : PWR+ 5Pin : PWR+, 6Pin : RX-, 7Pin : PWR-, 8Pin : PWR- |
| LED indicator | Link | LED OFF : No Link |
| | | Orange ON/Blink : Unstable Link |
| | | Green ON/Blink : Link OK / Act OK |
| | PWR | Green ON : Successful connection Red Blink : Power supply failure to transmitter (short circuit, open circuit, overcurrent) |
| Temperature / Humidity | | -10°C ~ +50°C / 0 ~ 80% |
| Case Body / Weight | | Aluminum / 162g |
| Dimensions(mm) | | 148(W) x 60(H) x 25(D) |

NEW

[SC-IPT1201TW]



NEW

[SC-IPR1201TW]



[DC48V / DC56V(Optional) Adaptor]

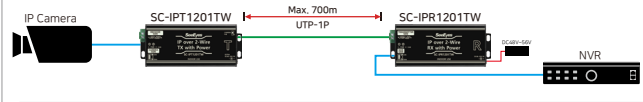


Max. Transmission Distance by Cable Types

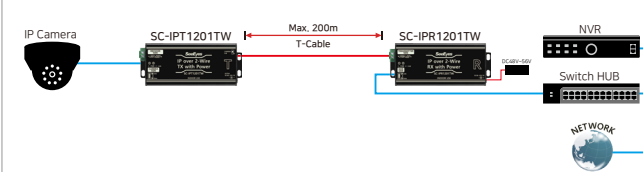
| Cable Type | AWG | Transmission distance | DC 56V/1.2A | Bandwidth (TCP/IP) |
|---------------------------------|-------|-----------------------|-------------|--------------------|
| | | | PoE Output | Full Duplex |
| TP cable (CAT.5e, 25Pair) | 24 | 300m | 8W | 202Mbps |
| | | 400m | 5W | 120Mbps |
| | | 500m | - | 75Mbps |
| | | 700m | - | 31Mbps |
| Elevator Travelling cable (EVB) | 18~19 | 100m | 40W | 180Mbps |
| | | 150m | 35W | 90Mbps |
| | | 200m | 30W | 40Mbps |
| Controlling cable (CVV) | 18~19 | 100m | 40W | 180Mbps |
| | | 150m | 35W | 100Mbps |
| | | 200m | 30W | 42Mbps |
| Power cable (VCTF) | 18~19 | 90m | 42W | 120Mbps |
| | | 140m | 38W | 80Mbps |

Application Diagram

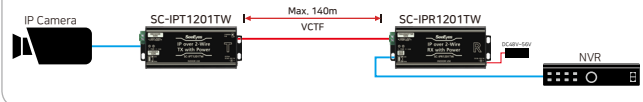
TP(Twisted Pair) cable IP transmission



Elevator T(travelling)-cable IP transmission

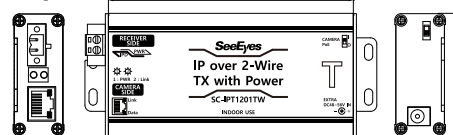


Power cable IP transmission(VCTF)



Dimensions

[SC-IPT1201TW]



[SC-IPR1201TW]

