IP OVER COAX
HYBRID DATA TRANSMITTER

CONNECT UP TO 4 CAMERAS AT 500M

Introducing the IPCOAX4C-300M: a cutting-edge hybrid Network Data Transmitter designed to streamline your surveillance needs. With its robust 4-Port PoE switch functionality and Ethernet Over Coax (EoC) capabilities, this versatile device enables seamless transmission of data and power to up to four IP cameras using just one coaxial cable. Perfect for both new installations and retrofits, the IPCOAX4C-300M leverages existing coaxial infrastructure to deliver high-performance video surveillance solutions. With a maximum power output of 30W per port and an impressive transmission distance of up to 500 meters, this transmitter ensures reliable connectivity and power supply, all while simplifying your setup and reducing costs. Upgrade your surveillance system with the IPCOAX4C-300M and experience a powerful, efficient solution tailored to modern security demands.
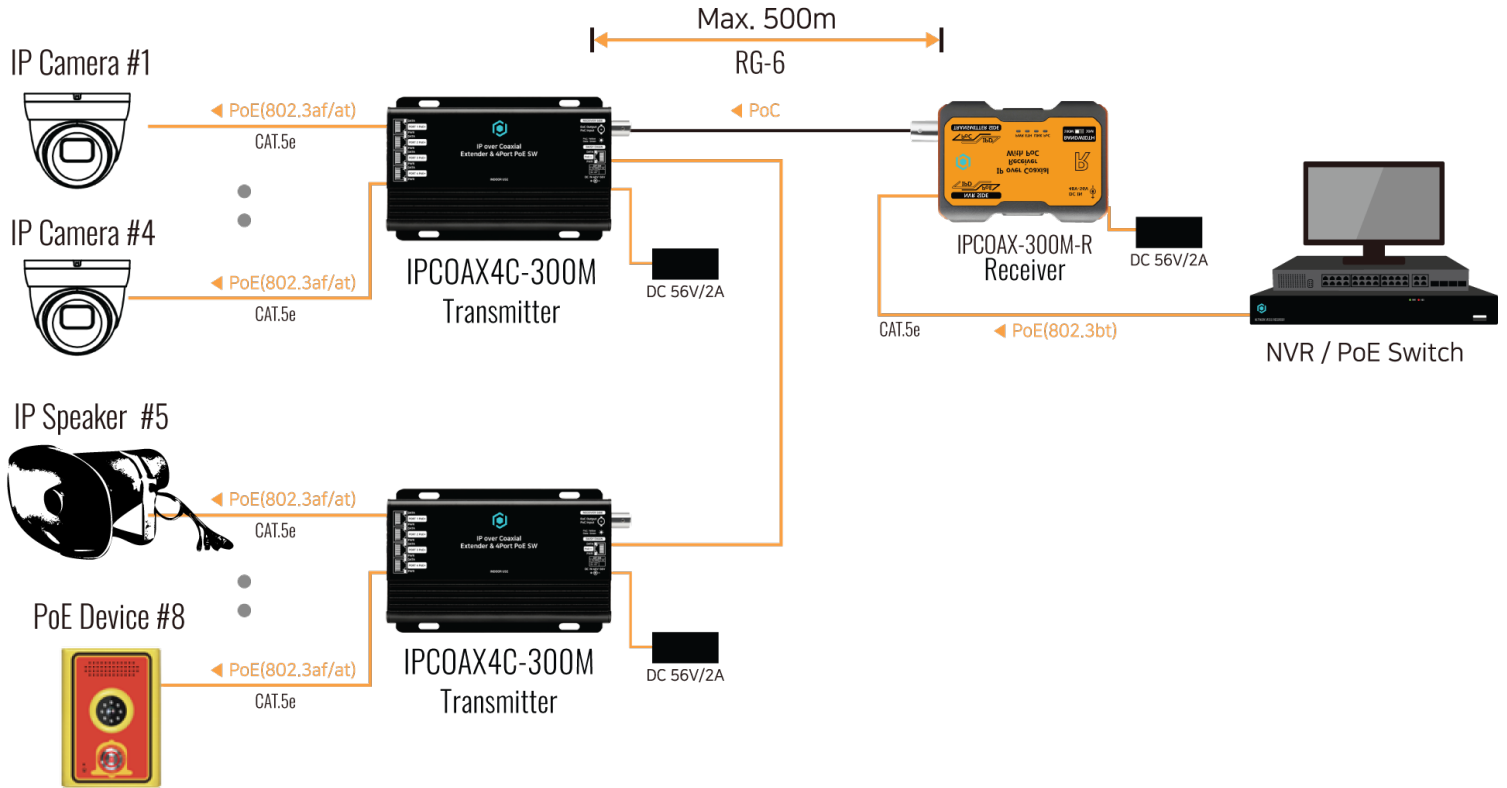
- **HYBRID 1 TO 4 PORT EXTENDER**
- **COAX AND/OR CAT5**
- **TRANSMISSION FOR 4 IP CAMERAS**
- **BANDWIDTH UP TO 100MBPS**
- **EXPANSION CAPABILITY (DAISY CHAIN)**
- **BUILT-IN 10/100MBPS SWITCH**
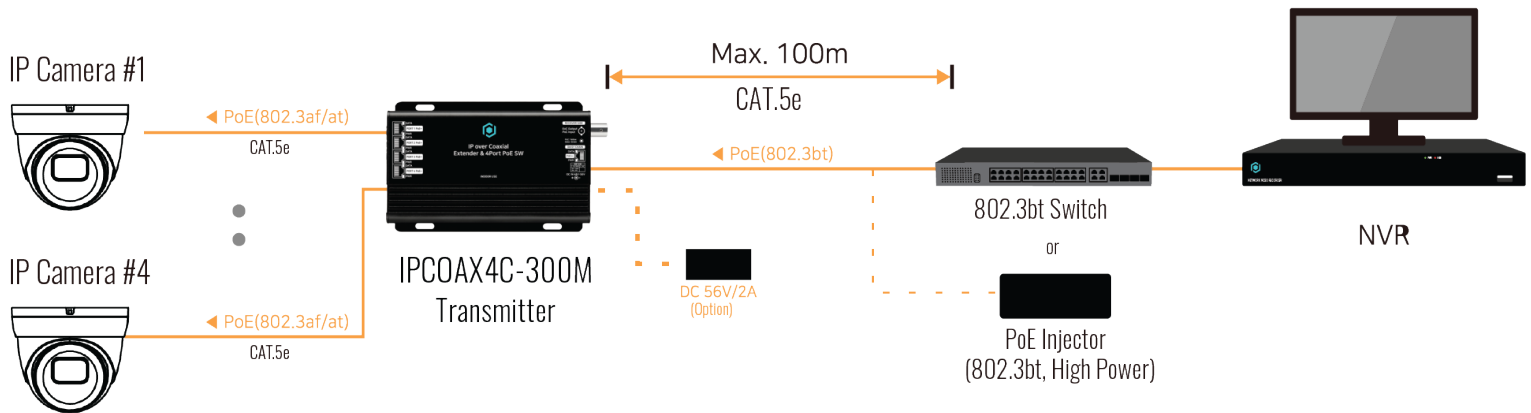- **BUILT-IN SURGE PROTECTION**

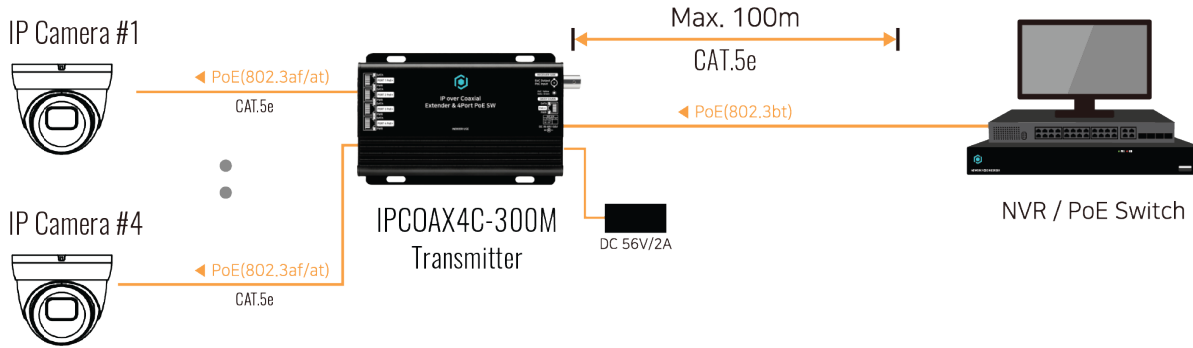| MODEL	IPCOAX4C-300M 4ch 'Ethernet + Power' over one coax with Built-in Switch Hub
Power Input	DC Input: DC 48V-56V Adaptor PoE INPUT: PoE IEEE 802.3af/at/bt, Endspan / Midspan (Mode A / Mode B)
PoE Supply to Camera	Max 30W, Standard PoE, IEEE802.3 af/at Mode A
Power consumption	Max. 1W (No-load Condition)
Max. Distance between Camera and IPCOAX-300M	100Mbps : Max. 100m(CAT.5e) 10Mbps : Max. 250m(CAT.5e)
Max. Distance between IPCOAX-300M and Receiver	Max. 500m(RG-6) / 400m(RG-59) (Full Duplex)
Camera Connection Port	1x4 RJ-45 1Port (TIA/EIA568B Type)
NVR Connection Port	RJ-45 1Port (TIA/EIA568B Type)
EoC Connection Port	BNC-F 1Port , 75Ω
Connection Port Power	DC JACK 2.0
RJ-45 Connector Pin Assignment(Polarity)	1Pin: TX(+), PWR(+), 2Pin: TX(-), PWR(+) 3Pin: RX(+), PWR(-), 6Pin: RX(-), PWR(-)
Max. Transmission Bandwidth	10/100Mbps(Full duplex)
Temperature / Humidity	-10°C ~ +50°C / 0 ~ 80%
Case Body / Weight	Aluminum / 326g
Dimensions(mm)	159(W) x 92.5(H) x 34.7(D)

APPLICATION DIAGRAMS

In case of connection using an expansion port (Daisy Chain)

Max. 500m
RG-6

IP Camera #1

◄ PoE(802.3af/at)
CAT.5e

IP Camera #4

◄ PoE(802.3af/at)
CAT.5e

◄ PoC

IPCOAX4C-300M
Transmitter

IP over Coaxial
Extender & 4Port PoE SW

DC 56V/2A

IPCOAX-300M-R
Receiver

DC 56V/2A

CAT.5e   ◄ PoE(802.3bt)

NVR / PoE Switch

IP Speaker #5

◄ PoE(802.3af/at)
CAT.5e

PoE Device #8

◄ PoE(802.3af/at)
CAT.5e

IPCOAX4C-300M
Transmitter

IP over Coaxial
Extender & 4Port PoE SW

DC 56V/2A

In case of connection with 802.3bt switch(or 802.3bt PoE injector)

Max. 100m
CAT.5e

IP Camera #1

◄ PoE(802.3af/at)
CAT.5e

IP Camera #4

◄ PoE(802.3af/at)
CAT.5e

IP over Coaxial
Extender & 4Port PoE SW

IPCOAX4C-300M
Transmitter

◄ PoE(802.3bt)

DC 56V/2A
(Option)

802.3bt Switch

or

PoE Injector
(802.3bt, High Power)

NVR

In case of using IPCOAX4C-300M as 4-Port PoE switch connect with NVR

IP Camera #1

◄ PoE(802.3af/at)

CAT.5e

IP Camera #4

◄ PoE(802.3af/at)

CAT.5e

IPCOAX4C-300M
Transmitter

DC 56V/2A

Max. 100m

CAT.5e

◄ PoE(802.3bt)

NVR / PoE Switch

In case of connection with receiver

IP Camera #1

◄ PoE(802.3af/at)

CAT.5e

IP Camera #4

◄ PoE(802.3af/at)

CAT.5e

IPCOAX4C-300M
Transmitter

DC 56V/2A
(Option)

Max. 500m

RG-6

◄ PoC

IPCOAX-300M-R
Receiver

DC 56V/2A

CAT.5e   ◄ PoE(802.3bt)

NVR / PoE Switch
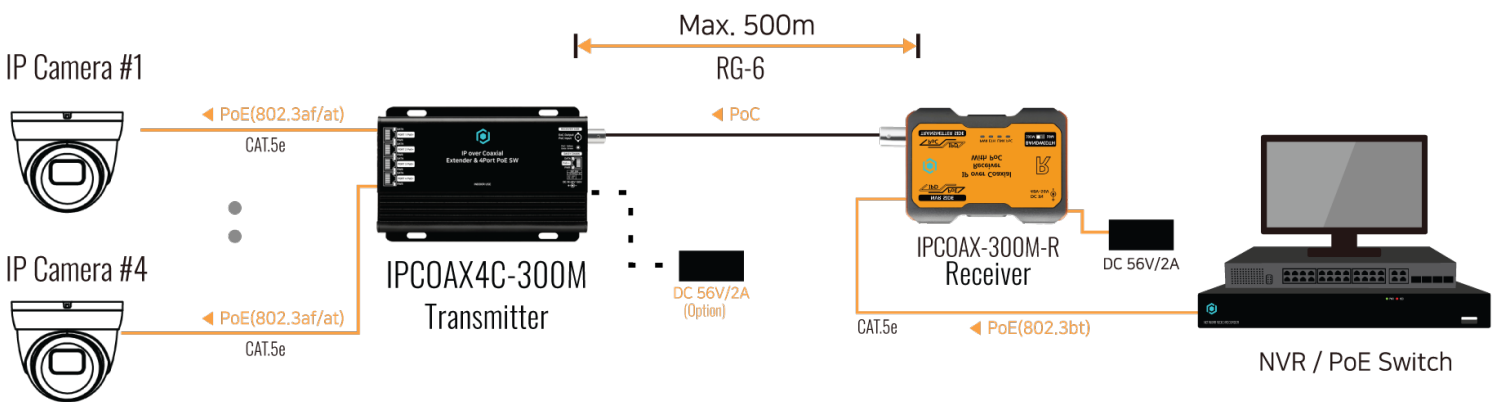
In case of connection with IPCOAX-300M-R

IP Camera #1

◄ PoE(802.3af/at)

CAT.5e

IP Camera #4

◄ PoE(802.3af/at)

CAT.5e

IPCOAX4C-300M
Transmitter

DC 56V/2A

Max. 500m

RG-6

IPCOAX-300M-R
Receiver

DC 48V / 1A
or
PoE

CAT.5e   ◄ PoE

NVR / PoE Switch