INTERCOAX
NETWORK

Designed for IP Camera System Installers

Ethernet & PoE over Coax

PoE Repeater

www.intercoax.com

ECP-27 Series

ECP-2701
Ethernet & PoE over Coax Transceiver

Ethernet & PoE over Coax/UTP

ECP-27 Series

Designed for IP Camera System Installers

ECP-27 series are Ethernet & PoE over coax converters to make IP transmission with power via coaxial cable. You can save money and time to migrate to IP security system because ECP-27 series support easy installation utilizing the existing CCTV cables.
Not only coaxial but also Cat5e(or better) or 2-wire cables, you have large variety of choice with ECP-27 series.
ECP-27 series support from 1:1 to 1:63 multi-connection and 2,000m(4,000m with BTE-01) total data transmission distance.

- Supports PoE, PoE+, or Extra PoE up to 50W
- 1 : N — Multi-connection for both Tx / Rx on Coax/UTP
- 12V DC OUT — 12V DC OUT for Non-PoE Camera

Product Overview

- Up to 2km Coax — Data distance up to 2,000m on Coax
- Up to 4km UTP — Data distance up to 4,000m on UTP Cat5e by using BTE-01
- PoE 1,200m — PoE distance up to 1,200m
- PLUG & PLAY — Plug & Play easy set up
- 270M — Bandwidth up to 270Mbps
- Giga-bit Ethernet — Transmit full duplex 10/100/1000 Ethernet
- Quality LED Tx ↔ Rx — Quality indicator for data & power transmission between Tx / Rx

4-port

ECP-2704T
Ethernet & PoE over Coax Transmitter

- 1 : N — Multi-connection for both Tx / Rx on Coax/UTP
- 4 — Ideal and economical for installing a group of 4 IP cameras
- Supports 4 ports of PoE, PoE+, or Extra PoE up to 50W

4-port

ECP-2704R
Ethernet & PoE over Coax Receiver

- 4 B-Link — 4 BNC receiving ports for easy multi-connection
- S.O.C.P Technology — SOCP(Smart Over Current Protection) Technology controls and protects the power current for each channel automatically
- S.I.M Technology — SIM(Smart Impedance Matching) Technology controls best impedance matching for better data transmission

Product Specification

Model	RJ45	Coax/UTP	Power	PoE	Max Bandwidth	Max Distance	Weight	Dimension(W x L x H)
ECP-2701	10/100 /1000 Ethernet	RG59(3C)/Cat5e or Better	DC 48 or 56V Adapter only	PoE, PoE+, Extra PoE	270Mbps	2,000m	198g	83 x 145.3 x 28mm
ECP-2704T							343g	133 x 175.2 x 28mm
ECP-2704R							360g	

ECP-2701 ECP-2704T ECP-2704R

Specification

Class	Subclass	Specification		
Product	Model No.	ECP-2701	ECP-2704T	ECP-2704R
Coaxial-line Interface	Standards	Ethernet over Coax(EoC) Application with raw data rates up to 500Mbps		
	Connector	75Ω BNC(female)		
Ethernet Interface	PHY Connection	10/100/1000BASE-T with Auto-detect Auto MDIX		
	Connector	RJ45		
LED Indicators	Ethernet	1 - Data(Green) / 1 - PoE(Yellow)	4 - Data(Green) / 4 - PoE(Yellow)	1 - Link(Yellow) / 1- ACT(Green)
	EoC	1 - BNC Join(Green)		
	Power	1 - PWR(Blue)		
	Link Quality	1 - Good(Green) / 1 - Bad(Red)		
	Power Quality	1 - Good(Green) : 40V ~ 56V / 1 - Bad(Red) : 40V Under		
	12V DC OUT	1 - DC OUT(Green)	-	
	Channel	-	4 - Port 1 ~ Port 4(Green)	4 - CH1 ~ CH4(Green)
Encryption	Encryption Method	128-bit AES		
IGMP	IGMP Protocol	IGMP V1, 2, 3		
PoE	Standards	PoE+(IEEE 802.3at)		
	Maximum Power	Up to 50W(Extra PoE)		
System Power	External Power Adapter(Sold Separately)	AC 90 ~ 260V (50Hz / 60Hz), DC 56V / 1.2A		
	DC Out(2P Terminal Block)	DC 12V / 1.2A	-	
Agency Approval	Certification	FCC, CE, KC		
	Surge Protection	IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)		
	AC/DC Adapter Safety	UL 60950-1 and CE60950 for ITE Devices, CAS, TUV		
Mechanical	Weight	198g	343g	360g
	Dimensions(W x L x H)	83 x 145.3 x 28mm	133 x 175.2 x 28mm	
Environment Conditions	Operating Temperature Range	- 20 ~ 60 °C		
	Humidity Range	10% ~ 90%		
	Storage Temperature Range	- 30 ~ 80 °C		
PoE Distance	5C-HFBT	up to 700m		
	5C-2V	up to 1,200m		
	3C-2V	up to 800m		

ECP-94 Series

ECP-9401

Ethernet & PoE over Coax Transceiver

Ethernet & PoE over Coax/UTP

ECP-94 Series

Designed for IP Camera System Installers

ECP-94 series are Ethernet & PoE over coax converters to make IP transmission with power via coaxial cable. You can save money and time to migrate to IP security system because ECP-94 series support easy installation utilizing the existing CCTV cables.
Not only coaxial but also Cat5e(or better) or 2-wire cables, you have large variety of choice with ECP-94 series.
ECP-94 series support from 1:1 to 1:63 multi-connection and 1,000m(2,000m with BTE-01) total data transmission distance.

- Extra PoE Up to 50W — Supports PoE, PoE+, or Extra PoE up to 50W
- 1 : N — Multi-connection for both Tx / Rx on Coax/UTP
- 12V DC OUT — 12V DC OUT for Non-PoE Camera

Product Overview

- Up to 1km Coax — Data distance up to 1,000m on Coax
- Up to 2km UTP — Data distance up to 2,000m on UTP Cat5e by using BTE-01
- PoE 800m — PoE distance up to 800m
- PLUG & PLAY — Plug & Play easy set up
- 95M — Bandwidth up to 95Mbps
- Ethernet 10 / 100 — Transmit full duplex 10/100 Ethernet
- Quality LED Tx ↔ Rx — Quality indicator for data & power transmission between Tx / Rx

4-port

ECP-9404R

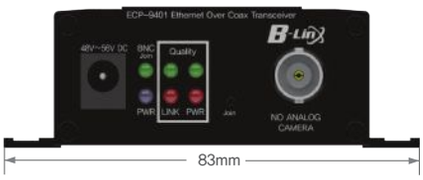
Ethernet & PoE over Coax Receiver

- 4 B-Link — 4 BNC receiving ports for easy multi-connection
- S.O.C.P Technology — SOCP(Smart Over Current Protection) Technology controls and protects the power current for each channel automatically
- S.I.M Technology — SIM(Smart Impedance Matching) Technology controls best impedance matching for better data transmission

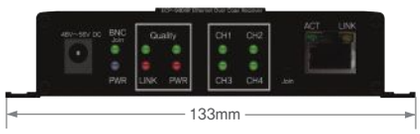
Product Specification

Model	RJ45	Coax/UTP	Power	PoE	Max Bandwidth	Max Distance	Weight	Dimension(W x L x H)
ECP-9401	10/100 Ethernet	RG59(3C)/Cat5e or Better	DC 48 or 56V Adapter only	PoE, PoE+, Extra PoE	95Mbps	1,000m	198g	83 x 145.3 x 28mm
ECP-9404R							360g	133 x 175.2 x 28mm

ECP-9401



ECP-9404R



Specification

Class	Subclass	Specification	
Product	Model No.	ECP-9401	ECP-9404R
Coaxial-line Interface	Standards	Ethernet over Coax(EoC) Application with raw data rates up to 200Mbps	
	Connector	75Ω BNC(female)	
Ethernet Interface	PHY Connection	10/100BASE-T with Auto-detect Auto MDIX	
	Connector	RJ45	
LED Indicators	Ethernet	1 - Data(Green) / 1 - PoE(Yellow)	1 - Link(Yellow) / 1- ACT(Green)
	EoC	1 - BNC Join(Green)	
	Power	1 - PWR(Blue)	
	Link Quality	1 - Good(Green) / 1 - Bad(Red)	
	Power Quality	1 - Good(Green) : 40V ~ 56V / 1 - Bad(Red) : 40V Under	
	12V DC OUT	1 - DC OUT(Green)	-
	Channel	-	4 - CH1 ~ CH4(Green)
Encryption	Encryption Method	128-bit AES	
IGMP	IGMP Protocol	IGMP V1, 2, 3	
PoE	Standards	PoE+(IEEE 802.3at)	
	Maximum Power	Up to 50W(Extra PoE)	
System Power	External Power Adapter(Sold Separately)	AC 90 ~ 260V (50Hz / 60Hz), DC 56V / 1.2A	
	DC Out(2P Terminal Block)	DC 12V / 1.2A	-
Agency Approval	Certification	FCC, CE, KC	
	Surge Protection	IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)	
	AC/DC Adapter Safety	UL 60950-1 and CE60950 for ITE Devices, CAS, TUV	
Mechanical	Weight	198g	360g
	Dimensions(W x L x H)	83 x 145.3 x 28mm	133 x 175.2 x 28mm
Environment Conditions	Operating Temperature Range	- 20 ~ 60 °C	
	Humidity Range	10% ~ 90%	
	Storage Temperature Range	- 30 ~ 80 °C	
PoE Distance	5C-HFBT	up to 800m	
	5C-2V	up to 600m	
	3C-2V	up to 600m	

ECP-95 Series

NEW

ECP-9501

Ethernet & PoE over Coax Transceiver

Ethernet & PoE over Coax/UTP

ECP-95 Series

Designed for IP Camera System Installers

ECP-95 series are Ethernet & PoE over coax converters to make IP transmission with power via coaxial cable. You can save money and time to migrate to IP security system because ECP-95 series support easy installation utilizing the existing CCTV cables.
Not only coaxial but also Cat5e(or better) or 2-wire cables, you have large variety of choice with ECP-95 series.
ECP-95 series support from 1:1 to 1:15 multi-connection and 500m(1,000m with BTE-01) total data transmission distance.

Extra PoE Up to 50W — Supports PoE, PoE+, or Extra PoE up to 50W

1 : N — Multi-connection for both Tx / Rx on Coax/UTP

Slim Design 61.6 x 94.5 x 24(mm)

Product Overview

- Up to 500m Coax — Data & PoE distance up to 500m on Coax
- Up to 1km UTP — Data distance up to 1,000m on UTP Cat5e by using BTE-01
- PLUG & PLAY — Plug & Play easy set up
- 80M — Bandwidth up to 80Mbps
- Ethernet 10 / 100 — Transmit full duplex 10/100 Ethernet

4-port

NEW

ECP-9504R

Ethernet & PoE over Coax Receiver

- 95M — Bandwidth up to 95Mbps
- 4 B-Link — 4 BNC receiving ports for easy multi-connection
- S.O.C.P Technology — SOCP(Smart Over Current Protection) Technology controls and protects the power current for each channel automatically
- S.I.M Technology — SIM(Smart Impedance Matching) Technology controls best impedance matching for better data transmission

Product Specification

Model	RJ45	Coax/UTP	Power	PoE	Max Bandwidth	Max Distance	Weight	Dimension(W x L x H)
ECP-9501	10/100 Ethernet	RG59(3C)/Cat5e or Better	DC 48 or 56V Adapter only	PoE, PoE+, Extra PoE	80Mbps	500m	110g	61.6 x 94.5 x 24mm
ECP-9504R					95Mbps		174g	97 x 133 x 28mm

ECP-9501

ECP-9504R

Specification

Class	Subclass	Specification	
Product	Model No.	ECP-9501	ECP-9504R
Coaxial-line Interface	Standards	Ethernet over Coax(EoC) Application with raw data rates up to 200Mbps	
	Connector	75Ω BNC(female)	
Ethernet Interface	PHY Connection	10/100BASE-T with Auto-detect Auto MDIX	
	Connector	RJ45	
LED Indicators	Ethernet	1 - Data(Green) / 1 - PoE(Yellow)	1 - Data(Green)
	EoC	1 - BNC Join(Green)	
	Power	1 - PWR(Blue)	
Encryption	Encryption Method	128-bit AES	
IGMP	IGMP Protocol	IGMP V1, 2, 3	
PoE	Standards	PoE+(IEEE 802.3at)	
	Maximum Power	Up to 50W(Extra PoE)	
System Power	External Power Adapter(Sold Separately)	AC 90 ~ 260V (50Hz / 60Hz), DC 56V / 1.2A	
Agency Approval	Certification	FCC, CE, KC	
	Surge Protection	IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)	
	AC/DC Adapter Safety	UL 60950-1 and CE60950 for ITE Devices, CAS, TUV	
Mechanical	Weight	110g	174g
	Dimensions(W x L x H)	61.6 x 94.5 x 24mm	94 x 133 x 28mm
Environment Conditions	Operating Temperature Range	- 20 ~ 60 °C	
	Humidity Range	10% ~ 90%	
	Storage Temperature Range	- 30 ~ 80 °C	
PoE Distance	5C-HFBT	up to 500m	
	5C-2V	up to 500m	
	3C-2V	up to 500m	

ECP-84 Series

ECP-8401
Ethernet & PoE over Coax Transceiver

Ethernet & PoE over Coax/UTP

ECP-84 Series
Designed for IP Camera System Installers

ECP-84 series are Ethernet & PoE over coax converters to make IP transmission with power via coaxial cable. You can save money and time to migrate to IP security system because ECP-84 series support easy installation utilizing the existing CCTV cables.
Not only coaxial but also Cat5e(or better) or 2-wire cables, you have large variety of choice with ECP-84 series.
ECP-84 series support from 1:1 to 1:7 multi-connection and 300m total data transmission distance.

- 60M — Bandwidth up to 60Mbps
- Ethernet 10 / 100 — Transmit full duplex 10/100 Ethernet
- Compact design 85.4 x 40.1 x 25 (mm)

Product Overview

- Up to 300m Coax — Data & PoE distance up to 300m on Coax
- PoE up to 15W — Supports PoE up to 15W
- PLUG & PLAY — Plug & Play easy set up

4-port

ECP-8404R
Ethernet & PoE over Coax Receiver

- 95M — Bandwidth up to 95Mbps
- Ethernet 10 / 100 — Transmit full duplex 10/100 Ethernet
- 4 B-LINK — 4 BNC receiving ports for easy multi-connection
- Compact design 92.4 x 107 x 35 (mm)

8/16-port

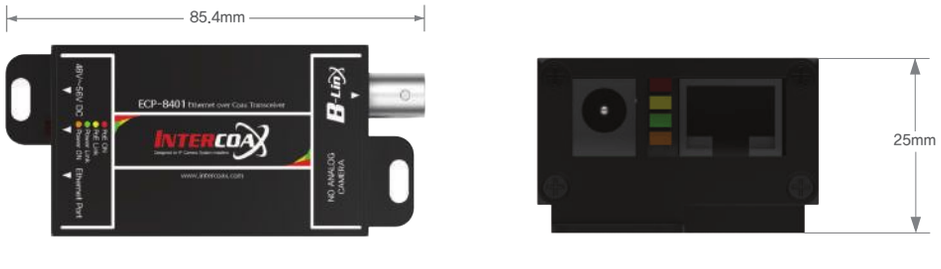
ECP-8408R / ECP-8416R
Ethernet & PoE over Coax Receiver

- 180M 360M — Bandwidth up to 180Mbps(ECP-8408R) up to 360Mbps(ECP-8416R)
- Rack mountable design
- Giga-bit Ethernet — Transmit full duplex 10/100/1000 Ethernet
- 8/16 B-LINK — 8 BNC receiving ports 16 BNC receiving ports for easy multi-connection
- Cost Effective System
- 130W 250W — 130W Built-in Power Supply 250W Built-in Power Supply

Product Specification

Model	RJ45	Coax/UTP	Power	PoE	Max Bandwidth	Max Distance	Weight	Dimension(W x L x H)
ECP-8401	10/100 Ethernet	RG59(3C)/Cat5e or Better	DC 48 or 56V Adapter only	PoE	60Mbps	300m	74.5g	85.4 x 40.1 x 25mm
ECP-8404R					95Mbps		220g	92.4 x 107 x 35mm
ECP-8408R	10/100 /1000 Ethernet		130W Built-in Power Supply		180Mbps		3,134g	200 x 432 x 43mm
ECP-8416R			250W Built-in Power Supply		360Mbps		3,610g	

ECP-8401



ECP-8404R

Specification

Class	Subclass	Specification			
Product	Model No.	ECP-8401	ECP-8404R	ECP-8408R	ECP-8416R
Coaxial-line Interface	Standards	Ethernet over Coax(EoC) Application with raw data rates up to 200Mbps			
	Connector	75Ω BNC(female)			
Ethernet Interface	PHY Connection	10/100BASE-T with Auto-detect Auto MDIX		10/100/1000BASE-T with Auto-detect Auto MDIX	
	Connector	RJ45			
LED Indicators	Ethernet	PoE Link(Yellow)	1 - ACT(Green) / 1 - Link(Yellow)		
	EoC	Power Link(Green)	-		
	Power	Power On(Amber)	POWER(Blue)		
	PoE	PoE On(Red)	-		
	Channel	-	4 - CH1~ CH4(Green)	8 - CH1~ CH8(Green)	16 - CH1~ CH16(Green)
Encryption	Encryption Method	128-bit AES			
IGMP	IGMP Protocol	IGMP V1, 2, 3			
PoE	Standards	PoE(IEEE 802.3af)			
	Maximum Power	Up to 15W	Up to 50W(Extra PoE)		
System Power	External Power Adapter(Sold Separately)	AC 90 ~ 260V (50Hz / 60Hz), DC 56V / 1.2A		AC 100 ~ 240V (50Hz / 60Hz) 2A	
Agency Approval	Certification	FCC, CE, KC			
	Surge Protection	IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)			
	AC/DC Adapter Safety	UL 60950-1 and CE60950 for ITE Devices, CAS, TUV			
Mechanical	Weight	74.5g	220g	3,134g	3,610g
	Dimensions(W x L x H)	85.4 x 40.1 x 25mm	92.4 x 107 x 35mm	200 x 432 x 43mm	
Environment Conditions	Operating Temperature Range	- 10 ~ 50 °C			
	Humidity Range	10% ~ 90%			
	Storage Temperature Range	- 40 ~ 80 °C			
PoE Distance	5C-HFBT	up to 300m			
	5C-2V	up to 300m			
	3C-2V	up to 300m			

ECP-83 Series

Non PoE

NEW

ECP-8301NP

Ethernet over Coax Transceiver

Ethernet over Coax/UTP

ECP-83 Series

Designed for IP Camera System Installers

ECP-83 series are Ethernet & PoE over coax converters to make IP transmission with power via coaxial cable. You can save money and time to migrate to IP security system because ECP-83 series support easy installation utilizing the existing CCTV cables.
Not only coaxial but also Cat5e(or better) or 2-wire cables, you have large variety of choice with ECP-83 series.
ECP-83 series support from 1:1 to 1:2 multi-connection and 200m total data transmission distance.

Product Overview

- Data distance up to 200m on Coax
- 50M — Bandwidth up to 50Mbps
- Ethernet 10 / 100 — Transmit full duplex 10/100 Ethernet
- PLUG & PLAY — Plug & Play easy set up
- 2 — Multi-connection up to 2 cameras on a single Coax / UTP cable
- Slim Design 61.6 x 94.5 x 24(mm)

PoE

NEW

ECP-8301EP

Ethernet & PoE over Coax Transceiver

- PoE up to 15W — Supports PoE up to 15W
- PoE 200m — PoE distance up to 200m

Product Specification

Model	RJ45	Coax/UTP	Power	PoE	Max Bandwidth	Max Distance	Weight	Dimension(W x L x H)
ECP-8301NP	10/100 Ethernet	RG59(3C)/Cat5e or Better	DC 48 or 56V Adapter only	-	50Mbps	200m	91g	61.6 x 94.5 x 24mm
ECP-8301EP				PoE			103g	

ECP-8301NP

ECP-8301EP

Specification

Class	Subclass	Specification	
Product	Model No.	ECP-8301NP	ECP-8301EP
Coaxial-line Interface	Standards	Ethernet over Coax(EoC) Application with raw data rates up to 200Mbps	
	Connector	75Ω BNC(female)	
Ethernet Interface	PHY Connection	10/100BASE-T with Auto-detect Auto MDIX	
	Connector	RJ45	
LED Indicators	Ethernet	1 - Data(Green) / 1 - PoE(Yellow)	
	EoC	1 - BNC Join(Green)	
	Power	1 - PWR(Blue)	
Encryption	Encryption Method	128-bit AES	
IGMP	IGMP Protocol	IGMP V1, 2, 3	
PoE	Standards	-	PoE(IEEE 802.3af)
	Maximum Power	-	Up to 15W
System Power	External Power Adapter(Sold Separately)	AC 90 ~ 260V (50Hz / 60Hz), DC 56V / 1.2A	
Agency Approval	Certification	FCC, CE, KC	
	Surge Protection	IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)	
	AC/DC Adapter Safety	UL 60950-1 and CE60950 for ITE Devices, CAS, TUV	
Mechanical	Weight	91g	103g
	Dimensions(W x L x H)	61.6 x 94.5 x 24mm	
Environment Conditions	Operating Temperature Range	- 20 ~ 60 °C	
	Humidity Range	10% ~ 90%	
	Storage Temperature Range	- 40 ~ 80 °C	
PoE Distance	5C-HFBT	up to 200m	
	5C-2V	up to 200m	
	3C-2V	up to 200m	

EPR Series

NEW

EPR-111 PoE Repeater

PoE Repeater

EPR Series

Designed for IP Camera System Installers

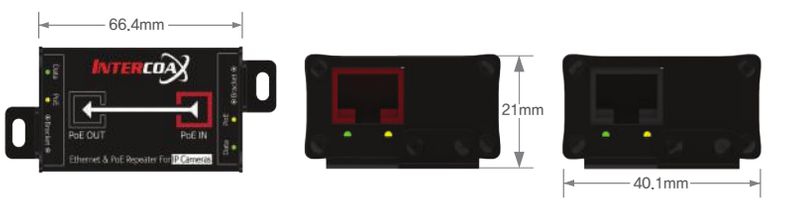
EPR Series are Ethernet & PoE repeaters to overcome max 100m distance limitation.
It helps to make easy and cost-effective IP extension solution.
Each EPR product re-sends data and power to every 130m without additional power adapter.
It supports PoE standards and auto detection for PoE and non-PoE devices.

Product Overview

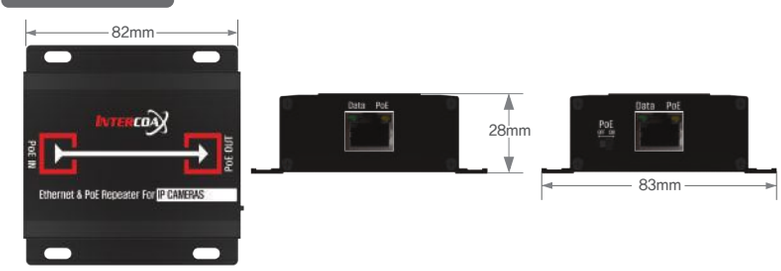
- +130m — Data and PoE extension to every 130m
- PoE 600m — Max. 600m with 4 repeaters
- No extra power adapter required
- PoE up to 15W — Supports PoE up to 15W
- PoE ON⇔OFF — PoE ON/OFF Switch(EPR-101 only)

EPR-101 PoE Repeater

EPR-111



EPR-101



Specification

Class	Subclass	Specification	
Product	Model No.	EPR-111	EPR-101
Line Rates	PHY Rate	Maximum Link Rates 100Mbps	
Ethernet Interface	PHY Interface	RJ45(10/100BASE-T with Auto-detect Auto MDIX)	
LED Indicators	Ethernet	1 - Data(Green)	
	Power	1 - PoE(Yellow)	
PoE	Standards	PoE(IEEE 802.3af)	
	Maximum Power	Up to 15W	
Agency Approval	Certification	FCC, CE, KC	
Mechanical	Weight	72.5g	118g
	Dimensions(W x L x H)	40.1 x 66.4 x 21mm	82 x 83 x 28mm
Environment Conditions	Operating Temperature Range	0 ~ 60 °C	
	Humidity Range	10% ~ 90%	
	Storage Temperature Range	- 20 ~ 80 °C	

BTE-01

BNC to RJ45 Exchanger

BNC to RJ45 Exchanger

BTE-01

Designed for IP Camera System Installers

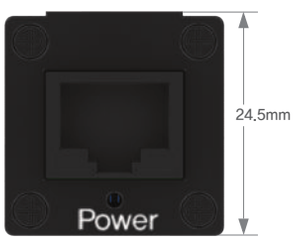
BTE-01 is a converting adapter to change BNC to RJ45 port.
It can only be used with ECP series to use UTP(Cat5e) cable instead of coaxial.

BNC to RJ45

Coax / UTP Various choice of cable, coaxial or UTP

Plug & Play easy set up

ECP-8404R



Product Specification

Model	RJ45	UTP	Weight	Dimension(W x L x H)
BTE-01	UTP/STP	Cat5e or Better	30.5g	24 x 52.9 x 24.5mm

LP-1600

Ethernet over Coax Long-range Power Receiver

Up to 1.6km Coax — Data & Power up to 1,600m over coaxial cable

Giga-bit Ethernet — Transmit full duplex 10/100/1000 Ethernet

270M — Max data bandwidth up to 270Mbps

No PC — Easy configuration, no PC required

S.M.P.S Technology — High efficiency SMPS(130W, AC required)is built-in and it distributes power over the coax to all connected ECP-series

S.O.C.P Technology — SOCP(Smart Over Currnet Proctection)Technology controls and protects the power current automatically

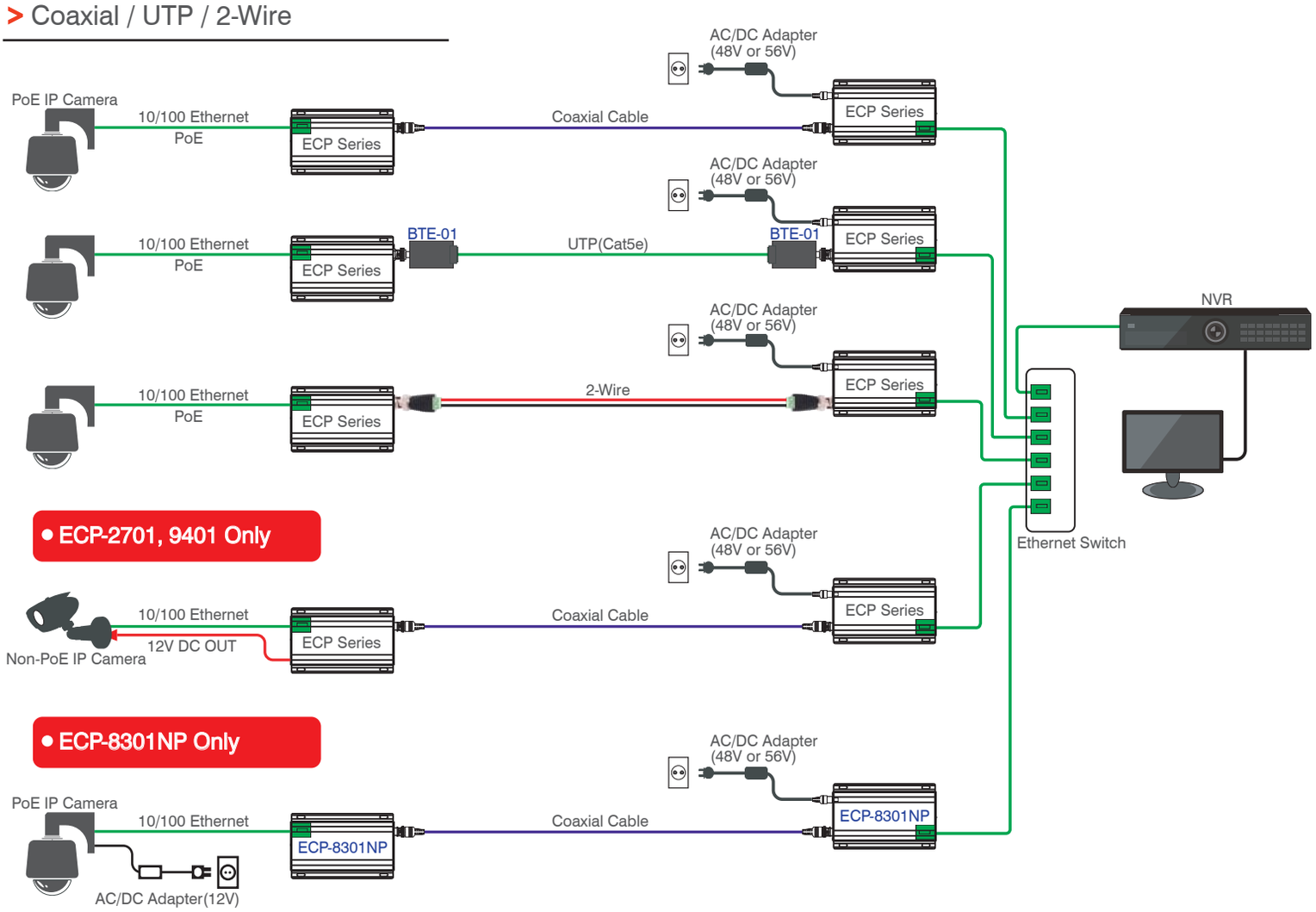
LCD — LCD display shows for operating status and quality of data & power connection for monitoring

Product Specification

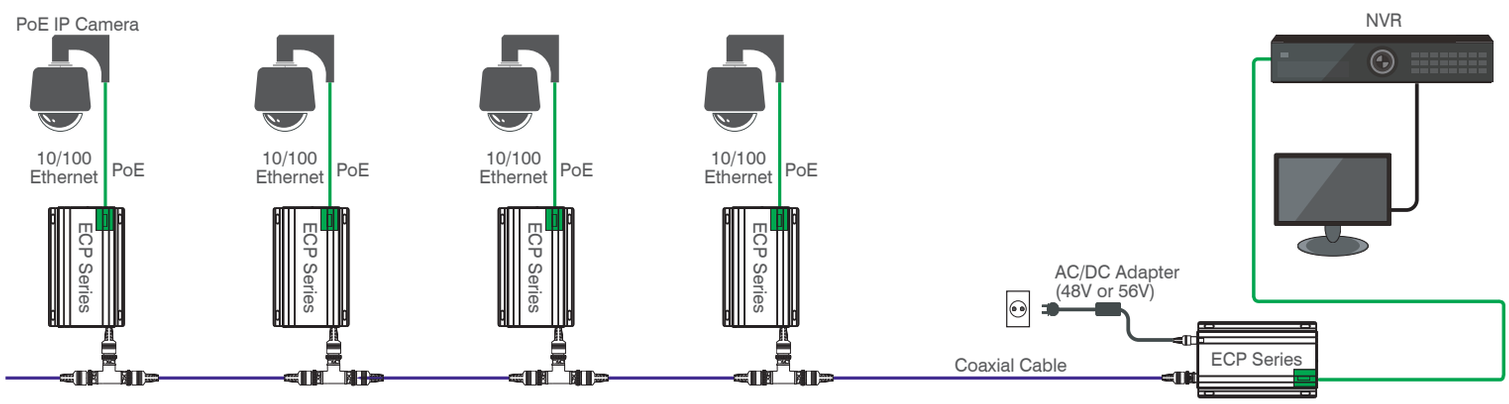
Model	RJ45	Coax	Power	PoE	Max Bandwidth	Max Distance
LP-1600	10/100 /1000 Ethernet	5C/RG6 or Better	AC 100V ~ 240V	PoE, PoE+, Extra PoE	270Mbps	1,600m

Application

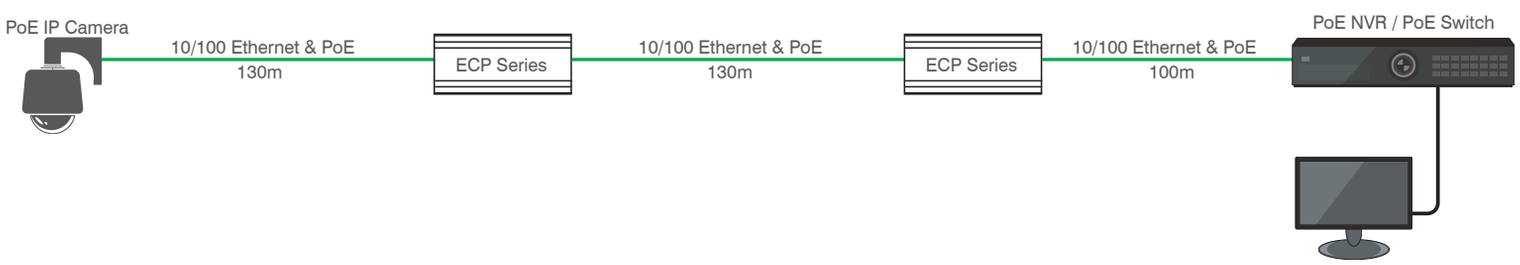
> Coaxial / UTP / 2-Wire



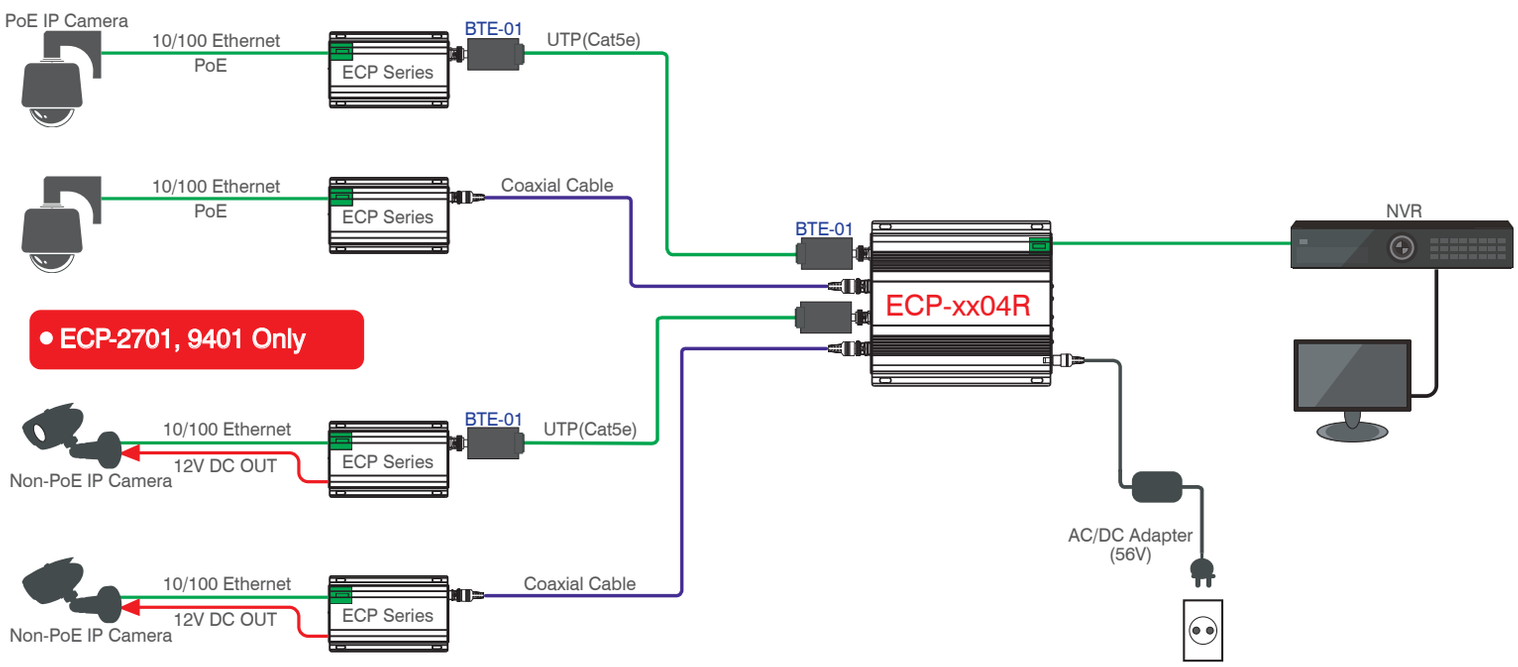
> Daisy Chain



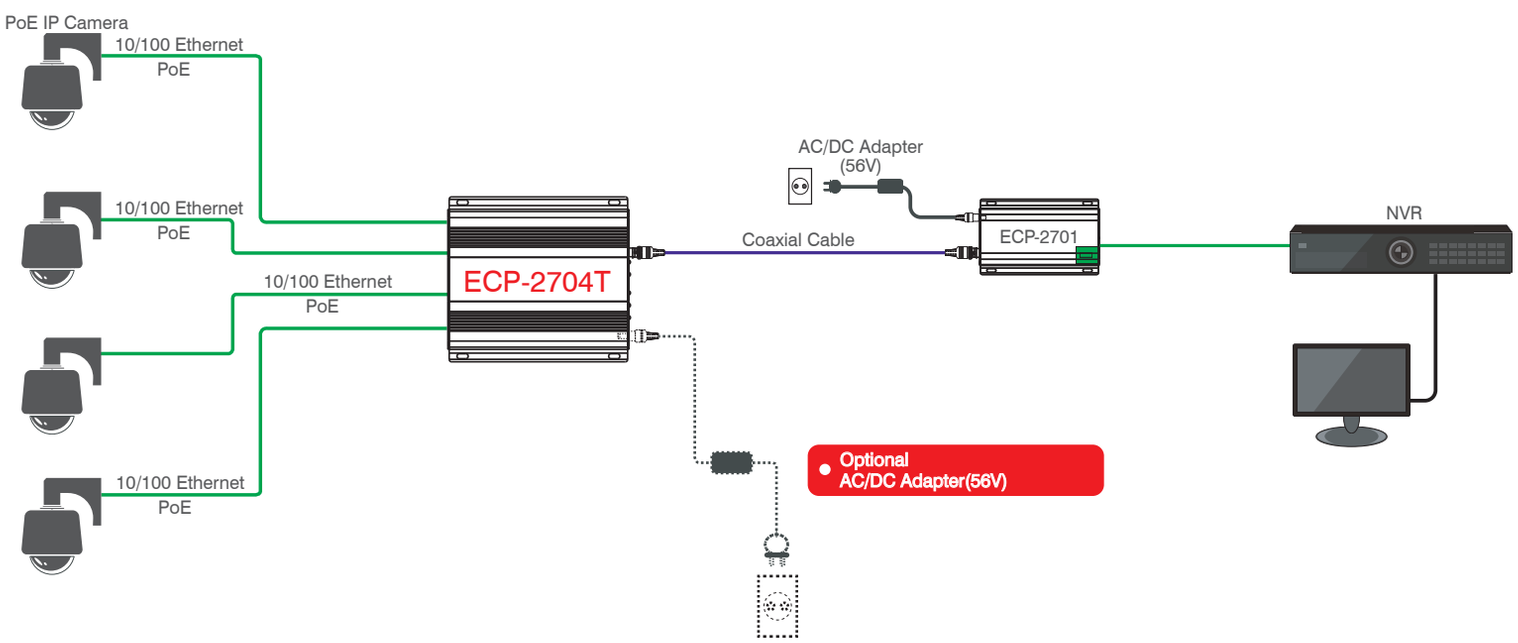
> Ethernet & PoE Extension



> Quad Connection - 1



> Quad Connection - 2



* The total number of IP camera may vary with the type and power consumption of each IP camera

* Compatibility between products is available in the series

INTERCOAX
NETWORK

Intercoax Co., Ltd.

51 Simin-daero 365beon-Gil, Dongan-Gu, Anyang-Si, Gyeonggi-Do, Korea 431-804
TEL : +82-31-365-3133 FAX : +82-31-365-3135 E-mail : info@intercoax.com

www.intercoax.com