



Features

- Transmit up to distances of 500 meters (1,500 feet).
- Support Ethernet and PoE communications.
- Support any 10/100M Ethernet device, including IP cameras.
- Compliant IEEE802.3at/af standard, also support external power adapter for PoE.
- Fully transparent to the network.
- Built-in Video/Power surge protection.
- Easy to install, no IP and MAC address configuration required
- Built-in LED indicators for network signals, link status and power



Applications

Upgrading to IP

Retrofit analog CCTV installations into digital systems, delivering full network connectivity and standardized, centrally-sourced power without re-cabling.

New installations

With the familiarity of coaxial cable and the reliability and cost advantages of PoE, it is an effective choice for the installation of new IP video systems where cable runs may be longer than standard 10/100 Base-T and hard to get power area.

Long distance extension

Connecting Ethernet/PoE over Coax converter system back-to-back allows the network signal to be repeated without local power, enabling extension of Ethernet up to 500 meters (1,500 feet)

Networked just there's coax

The ability to convert coax into a network connection without requiring power has many advantages in upgrading CATV or satellite systems in hotels or other buildings, among other applications.

Elevators and mechanisms

Because coaxial cable will coil and bend properly, unlike Cat 5 cable, EPOC devices provide an ideal means to provide network access to elevator carriages, for VoIP, security video, lift panel and other devices.



Accessories Features

RMP-419 19" Rack Mount Panel

- Allow 4 sets EPOC/EOC devices in 1 U high of 19" cabinet.
- Combine with EPOC/EOC devices flexibly.
- Maintain easily with modularized design.
- Save maintenance costs by swapping EPOC/EOC module
- Suit for EOC-100V, EPOC-101VA, EPOC-303VA, EPOC-313PD and, EPOC-410V module.



WH-100B Waterproof Housing

- IP 66 design best for the outdoor application. Suit for EOC-100V, EPOC-101DC and EPOC-111PS devices.

WH-100B Waterproof Housing



Order Information

- EPOC-101VA:** Ethernet /PoE over Coax Extender (Hub site); power source comes from power adapter.
- EPOC-111PD:** Ethernet /PoE over Coax Extender (Hub site); power source from PoE Hub or power adapter.
- EPOC-303VA:** 3 ports Ethernet /PoE over Coax Extender (Hub site); power source comes from power adapter.
- EPOC-313PD:** 3 ports Ethernet /PoE over Coax Extender (Hub site); power source from PoE Hub or power adapter.
- EPOC-101DC:** Ethernet /PoE over Coax Extender (camera site); provide DC12V/1A power to IP camera.
- EPOC-111PS:** Ethernet /PoE over Coax Extender (On camera site); provide PoE power to POE IP camera.
- EPOC-504VA:** 5 ports Ethernet /Power over Coax Extender with IP 66 waterproof housing.
- EPOC-500POE:** 5 ports Ethernet over Coax Extender supports 4 ports PoE HUB, IP 66 waterproof housing.
- EOC-510V:** 5 ports Ethernet over Coax Extender with IP 66 waterproof housing.
- EOC-100V:** Active Ethernet over Coax Extender.
- EOC-110V:** Passive Ethernet over Coax Extender.
- EOC-410V:** 4 ports passive Ethernet over Coax Extender.
- PW-4805A:** DC48V/0.5A power supply.
- PW-4813A:** DC48V/1.35A power supply.
- RMP-419:** 19" Rack Mount Panel allows to build in 4pcs EOC-100V, EPOC-101VA, EPOC-111PD, EPOC-303VA, EPOC-313PD, EOC-410V and EOC-100V.
- WH-100B:** Wall mount waterproof box for EPOC-101DC, EPOC-111PS and EOC-100V.

EZLink

Ethernet/PoE Over Coax Transmission System



Specification



Ethernet

Connector	RJ-45	RJ-45 x 3	RJ-45	RJ-45 x 3	RJ-45	RJ-45
Speed	10/100Base-T Full-duplex			10/100Base-T Full-duplex		

Coaxial

Connector	BNC	BNC x 3	BNC	BNC x 3	BNC	BNC
Cable	Any 75ΩCoaxial cable			Any 75ΩCoaxial cable		
Distance ^{1,2}	Active: 500 meters (Typ.) @ full rate; Passive: 200 meters (Typ.) @ full rate					
Bandwidth	100M Bits/Second			100M Bits/Second		

Power

Power Source	DC48~56V		PoE Hub DC48~56V		None	PoE (Coax)
Power Output	PoE (Coax)		PoE (Coax)		DC12V	PoE(RJ45)

Physical

Waterproof	None	None	None	None	IP 66 Housing (Optional)	
Dimensions (mm)	100 x 55 x 34	100 x 70 x 34	70x 25 x 25	100 x 70 x 34	100 x 55 x 34	100 x 55 x 34
Weight	140g	240g	70g	240g	150g	150g

Environment

Temperature	Operation: 0°C to 50°C / 14°F to 122°F			Operation: 0°C to 50°C / 14°F to 122°F		
Humidity	20% ~ 85% non-condensing			20% ~ 85% non-condensing		



Ethernet

Connector	RJ-45	RJ-45	RJ-45 x 4	None	RJ-45 x 4	None
Speed	10/100Base-T Full-duplex			10/100Base-T Full-duplex		

Coaxial

Connector	BNC	BNC	BNC x 4	BNC x5	BNC x 1	BNC x 5
Cable		Any 75ΩCoaxial cable			Any 75ΩCoaxial cable	
Distance ^{*2}		Active: 500 meters (Typ.) @ full rate; Passive: 200 meters (Typ.) @ full rate				
Bandwidth		100M Bits/Second			100M Bits/Second	

Power

Power Source	DC12V	DC12V	DC12V	PoE (Coax)	AC 100 V ~ 240V	
Power Output	None			None	PoE (RJ45)	PoE (Coax)

Physical

Waterproof	None	None	None	IP 66/Built in heater & fan		
Dimensions (mm)	100 x 55 x 34	55x 25 x 25	100 x 55 x 34	170x156x49	225x156x49	225x156x49
Weight	140g	60g	250g	0.9Kg	1.1Kg	1.2Kg

Environment

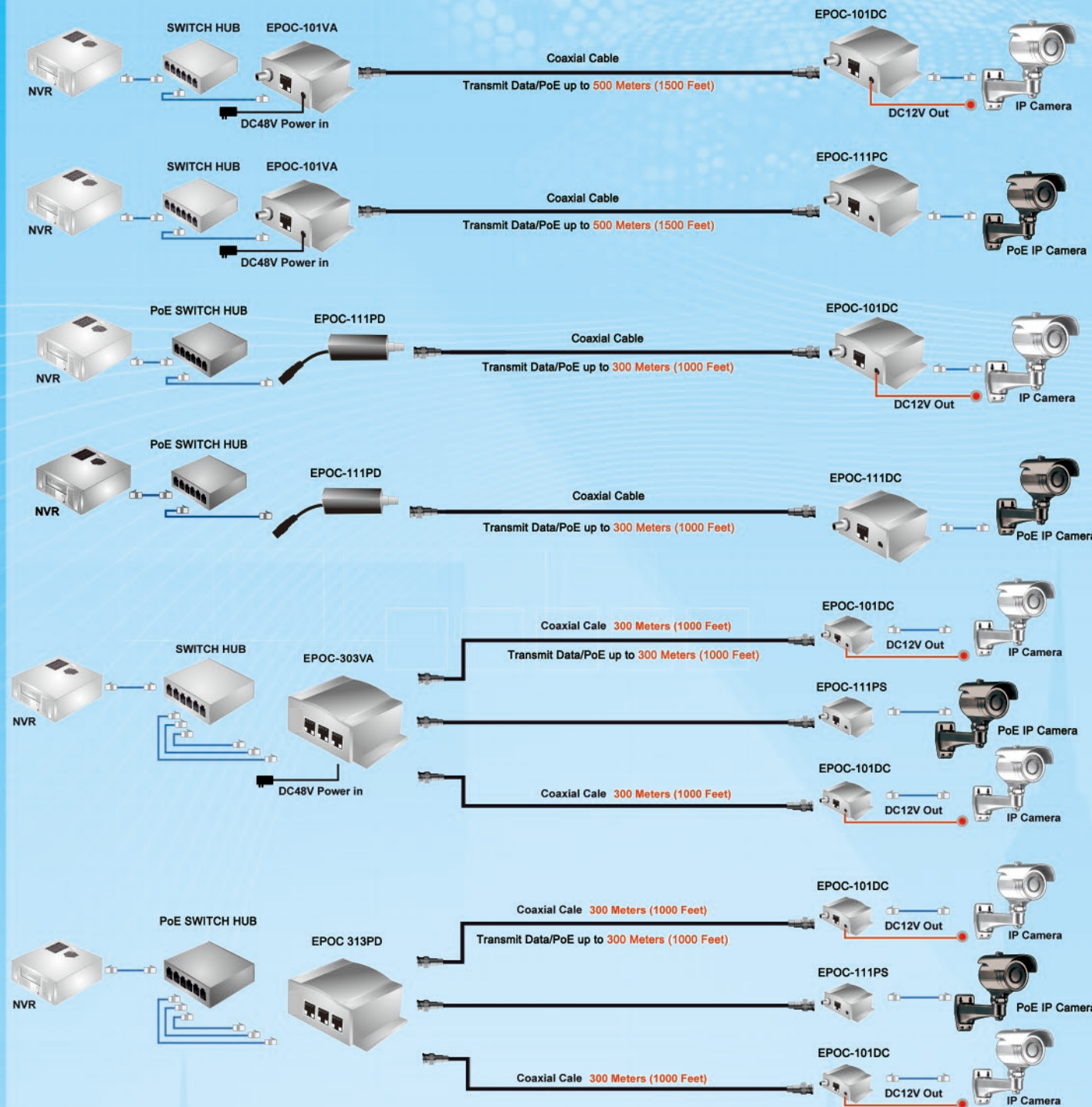
Temperature	Operation: 0°C to 50°C / 14°F to 122°F			Operation: -20°C to 70°C / -4°F to 234°F		
Humidity	20% ~ 85% non-condensing			20% ~ 85% non-condensing		

Note:

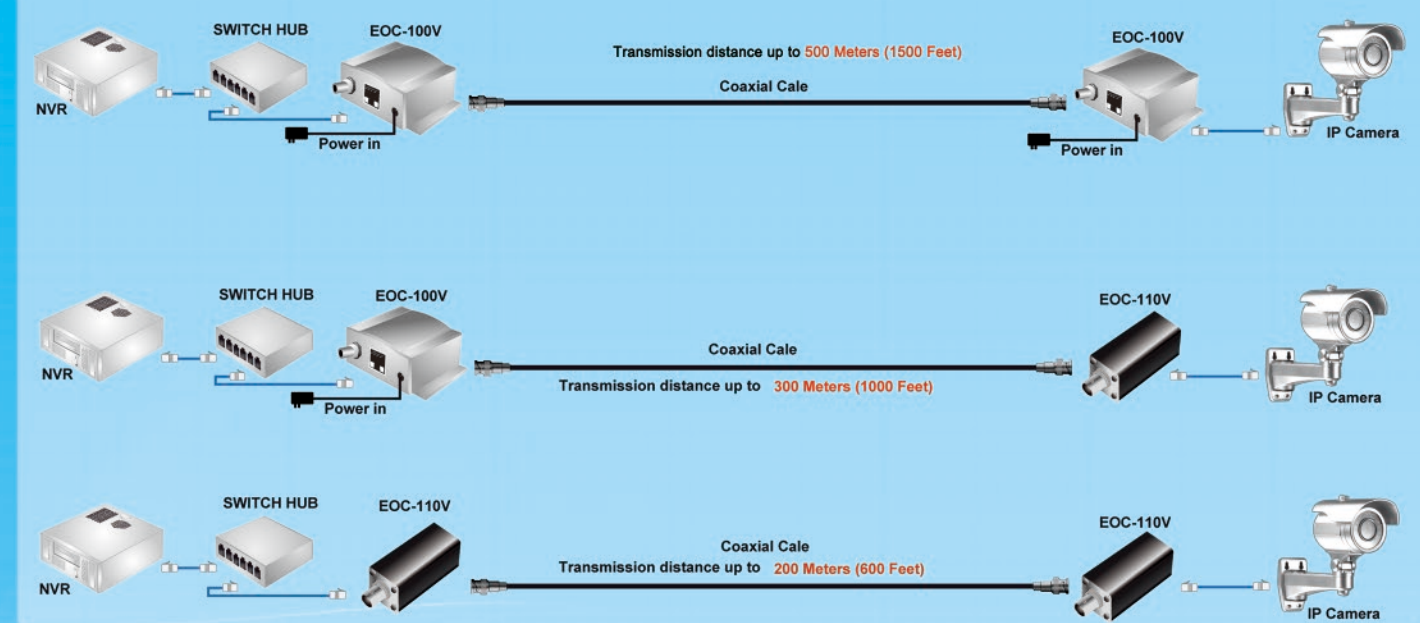
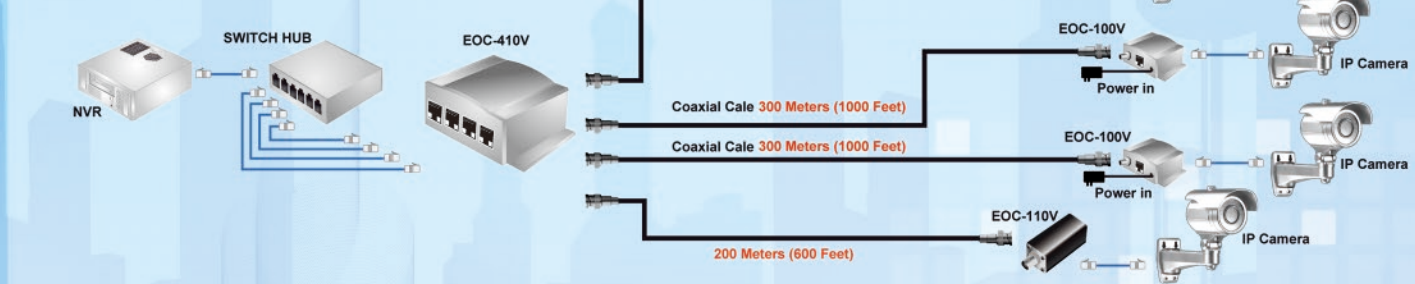
- All testing base on RG6(RG6U) Coax cable @ 0.139Ω (0.039Ω)/Meter DC loop resistance and TL-SF1008D switching HUB.
- Product specifications are subject to change without notice.
- EZLink is trademark of I-View Communication Inc.; All others trademarks are belonging to the respective owners.

System Configuration

Ethernet / PoE over Coax Extender



Ethernet over Coax Extender



Outdoor Ethernet/PoE over Coax Extender

