i-view

Secure your world in ours

Ethernet/PoE over 2-wire extender

Go farther than your IP camera allows with this IP transmission system

www.i-view.com.tw

9 FEATURES OF EPOC

which make your installation easier

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1

Long distance transmission

Extent Ethernet/PoE signal to 1500 m (4950 feet) via Coaxial Cable or UTP cable

2

Daisy Chain configuration

You can connect 4 IP cameras via single coaxial or UTP cable

3

Use any 2-wire cable

EPoC supports any 2-wire cable, including re-use of existing cables, like coax, telephone wire, bell wire, power cable or LAN cable

4

Encryption

128-bit AES encrypted communication for transient protection

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5

LED indicators

Check easily and instantly network signals, link and power status

6

Relability

Built-in Watchdog can auto reconnect when system connection fails

7

Multi power source

PoE switch or AC power adapter can be used to supply power

8

Outdoor application

IP 66 waterproof housing and built-in surge protection make EPoC suitable for use outdoors

9

High Power

Supports PoE or DC12V power output. Maximum support DC12V/4A (50W) power, which suits for IR PTZ Network camera application

Say "YES" to EPoC because…

It's easy to install

EPoC is Plug & Play installation. No IP or MAC address configuration are required

High data rate

Support 100 Base-T high network bandwidth for mega pixel cameras or multiple IP cameras

Easy upgrade to IP

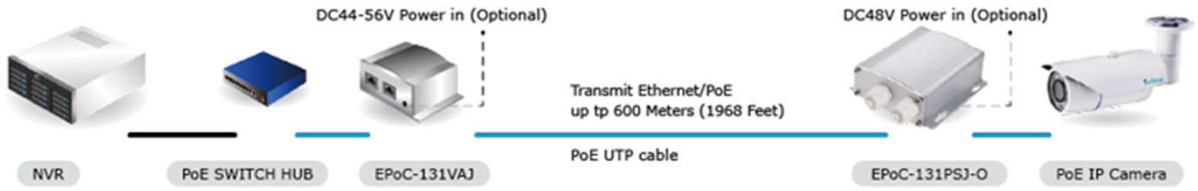
Convert existing analog CCTV system over coaxial cable to retrofit analog CCTV installations into IP Digital systems

Rack mount

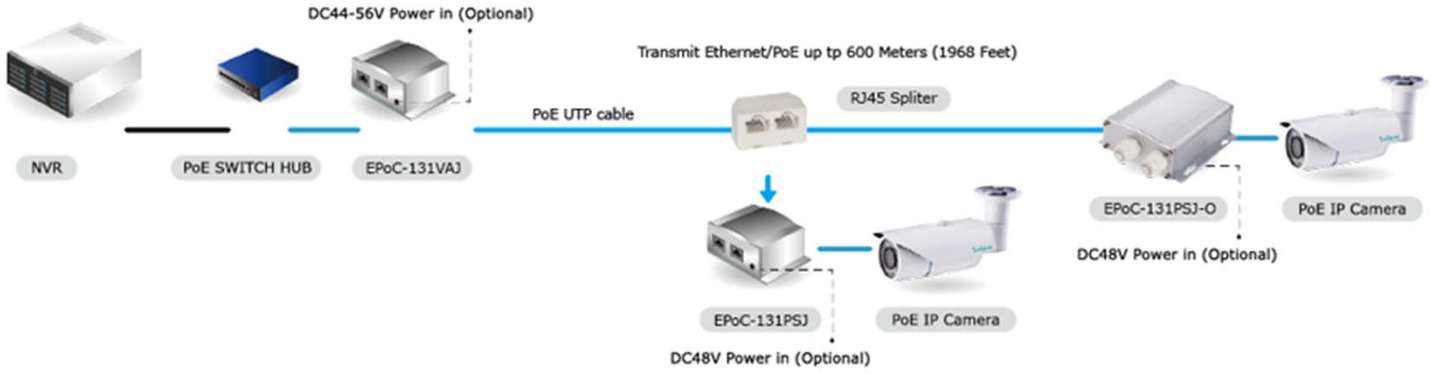
Supports 19" rack mount of industry

How to use
EPoC via UTP cable

Point-to-Point

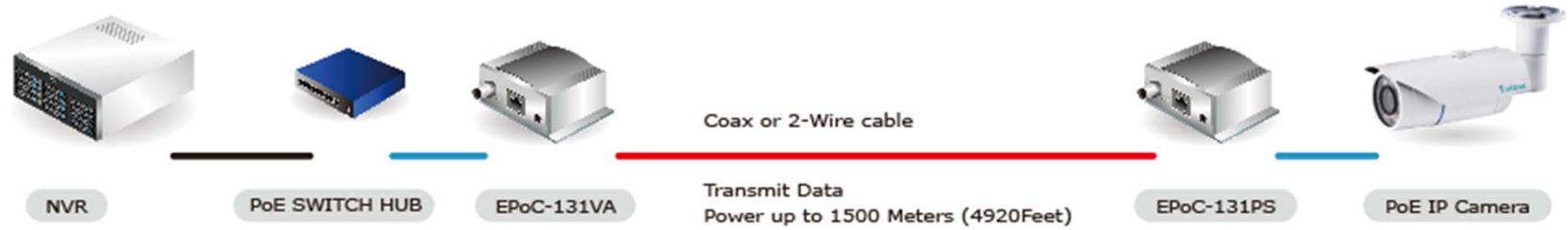


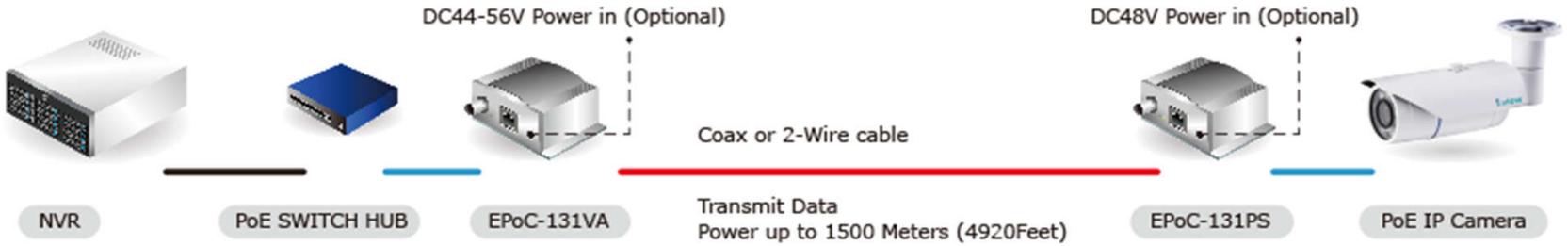
Daisy Chain



How to use
EPoC via Coaxial cable

Point-to-Point

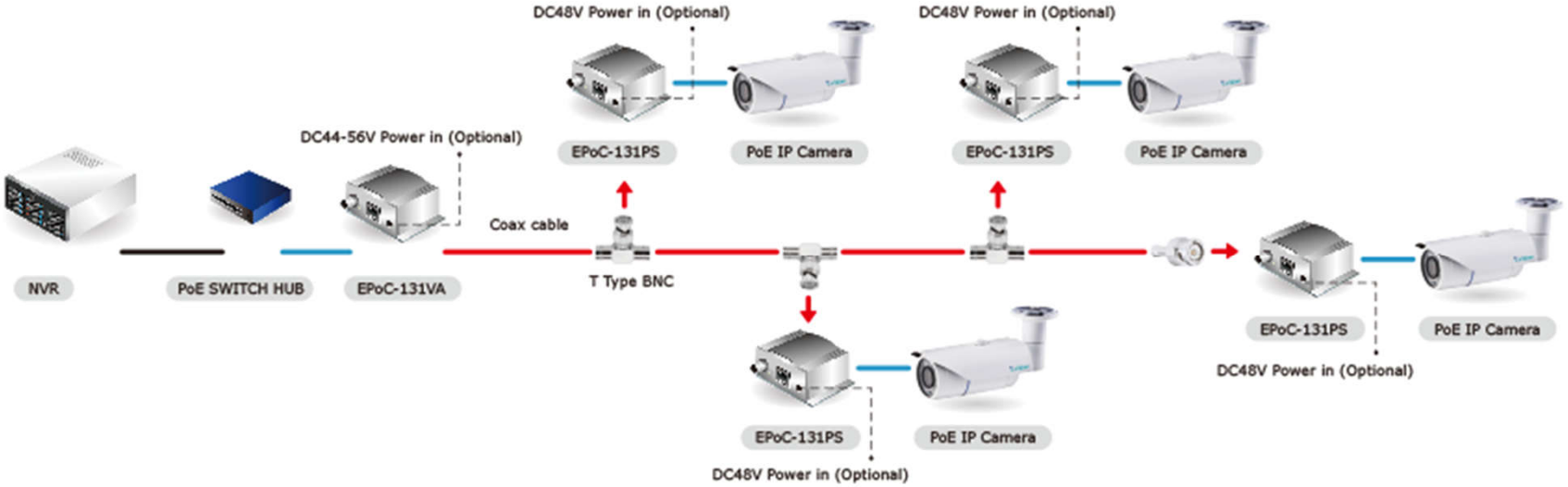




- Long distance transmission cauese the wire voltage-drop cannot provide enough power for IP camera,plug the DC48V power adapter on EPOC-131PS to provide power for IP camera.

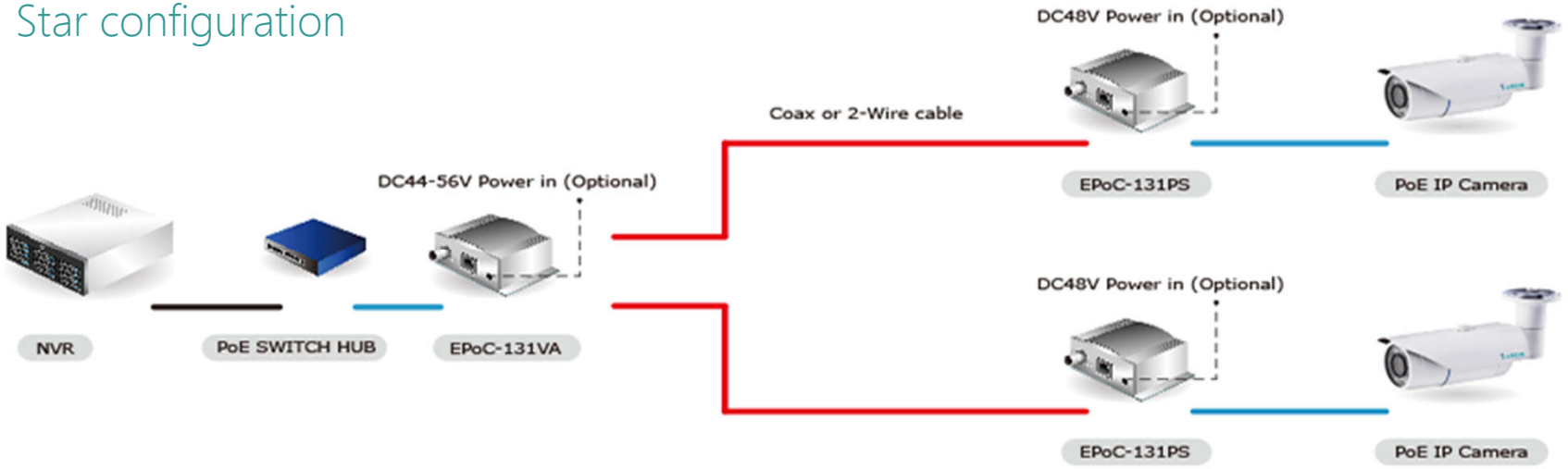
How to use
EPoC via Coaxial cable

Daisy Chain

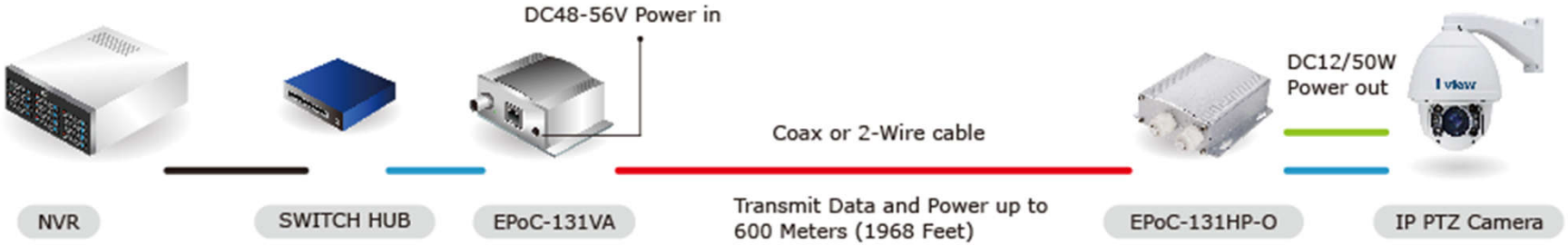


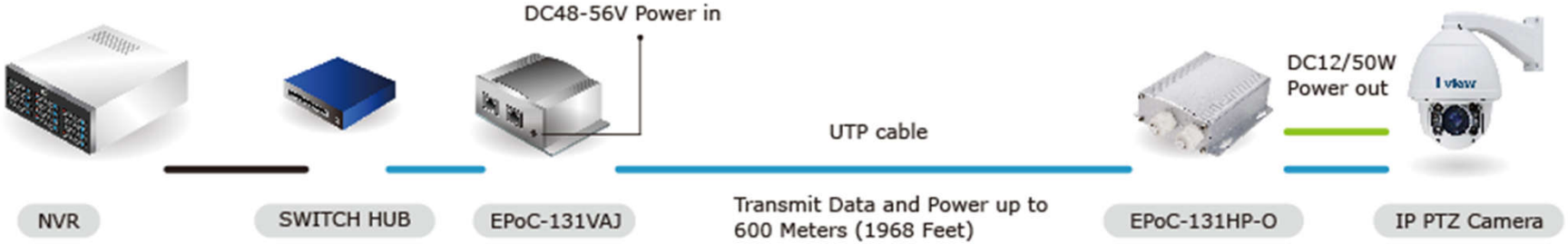
How to use
EPoC via Coaxial cable

Star configuration



How to use
EPoC – High Power DC12V/4A





Comparison Chart

Item/Device	EPoC	PoE extender	Fiber Media converter
Cable	Any 2-Wire/Coax	UTP	Fiber optic
Cabling cost	Low	Low	High
Distance	Up to 1500 m	~100 m	Up to 100 km
PoE for IP camera	Yes	No	No
Installation workability	Easy	Normal	Difficult
Interference	Low	Normal	Low
Transfer speed	Normal	Normal	High
Configuration	Daisy Chain	Daisy Chain	Point to point
Total System expenses	Low	Normal	High
Maintenance expenses	Low	Normal	High
Engineer adaptability	Easy	Normal	Hard
Total expenses for installation	Low	Normal	High
Conclusion	Best solution	Not reliable	Expensive

Cost comparison chart: EPoC vs. Fiber Optic Media Converter

Conditions:
1. Installation of 4 IP cameras
2. The transmission distance is 600 m

Item	EPoC system	Fiber Optic Media Converter
Media cable	RG-6 Coaxial cable: USD 0.5/m x 600 = USD 300	8 Core Optical Fiber (MM): USD 1.3 x 600 = USD 780
Power cable	No need	16AWG power cable: USD 0.3/m x 600 = USD 180
Labor costs for cabling	Media: USD 150 x 4 = USD 600	Media + Power: USD 150 x 2 x 4 = USD 1200
Tube	PVC tube USD 1x 600 m = USD 600	PVC tube: USD 1 x 600 m x 2 = USD 1200
Connector	USD 8 x 8 = USD 64 (Including BNC connector)	USD 25 x 40 fusing point = USD 1000 (fusing and pigtail)
Junction box	No need	Optical Fiber: USD 80 x 4= USD 320; Power: USD 20 x 4= USD 80
Jumper cable	LAN cable: USD 1 X 5 = USD 4	Optical Fiber jumper cable: USD 20 x 5= USD 100
Device's price	USD 160 x 1 (Rx) + 135 x 4 (Tx) = USD 700 (Based on end user price)	Fiber media converter USD 80 x 4 = USD 320 (Based on end user price)
Maintainance	Easy and low cost	Difficult and high cost
Total	***USD 2269*** *Save up to 56%!*	***USD 5180***

The estimated costs are based on Taiwan's prices and may vary depending on your country.

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Ethernet over Coax converters

Solve your cabling problems now

www.i-view.com.tw

8 FEATURES OF EoC

which solve your cabling problems

Secure your world in ours

1. **Ethernet over Coax**

   Convert Ethernet UTP to transmit network data and PoE over standard coax cable

2. **Low cost**

   EoC-110V surprises you with its low cost but powerful properties

3. **High data rate**

   Support 100 Base-T for high network bandwidth requirements of Mega-pixel cameras or multiple IP cameras

4. **Easy upgrade to IP**

   Converts existing analog CCTV system over coaxial cable to retrofit analog CCTV installations into IP Digital systems

5

Extend standard Ethernet

Transmits10/100Base-T up to distances of 250 meters (750 feet)*

6

Easy to install

No IP or MAC address configuration and other networking setup required

7

Save cost and time

Avoids rewiring and expense of traditional Ethernet UTP cable

8

Compatible capability

Fully transparent to Ethernet networks and higher layer protocols

Say "YES" to EoC because…

Save costs on cabling and man power

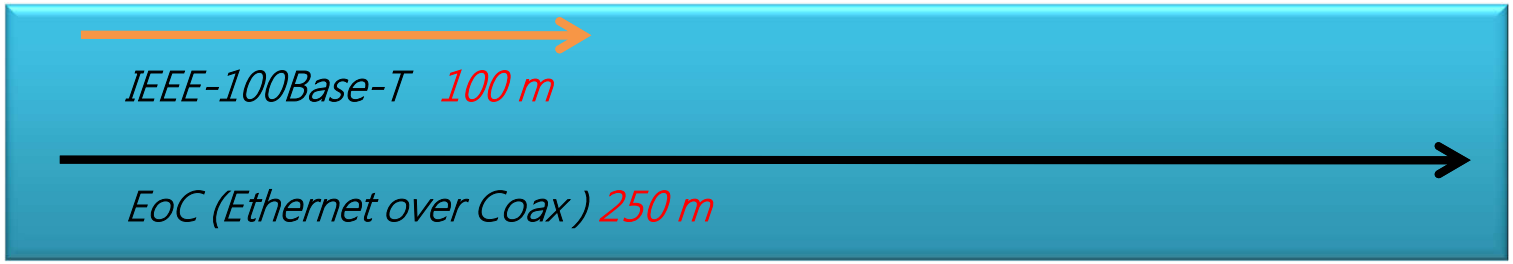
EoC is a cost-effective device which allows you to save 85% of your total expenses!

Upgrade to IP using existing coax cable

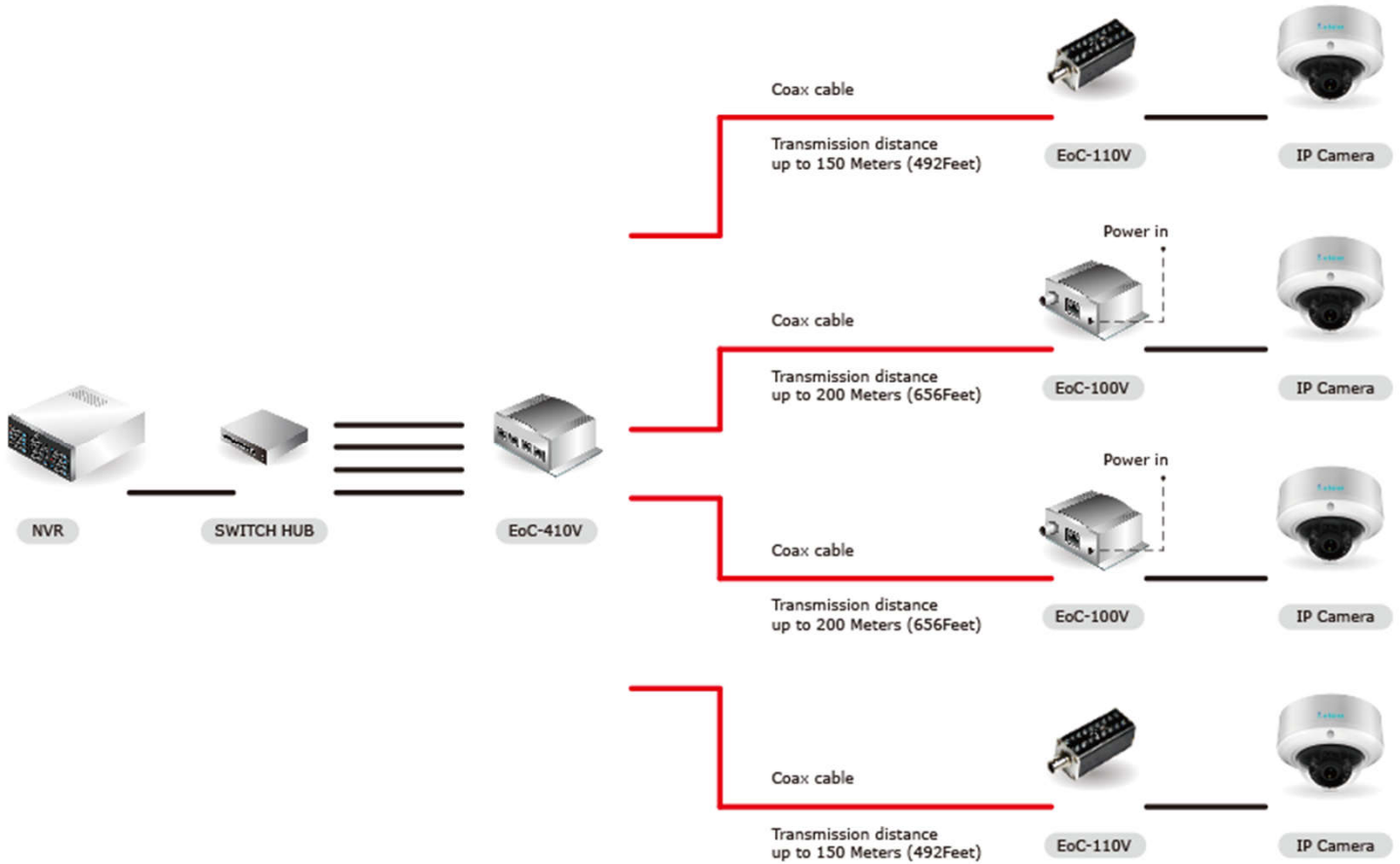
You do not need rewiring as EoC works perfectly with existing coaxial cable to upgrade your analog CCTV

Extent transmission distance up to 250 m

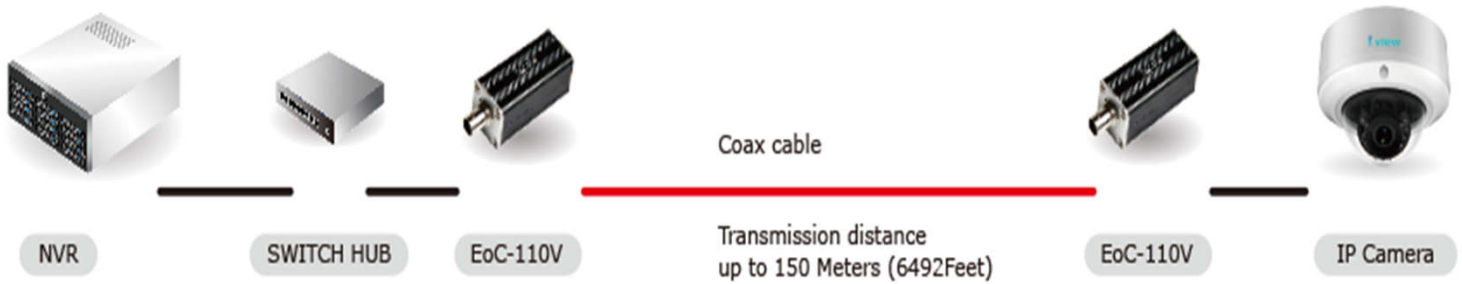
While standard transmission is 100 m only, with EoC you can reach 250 m

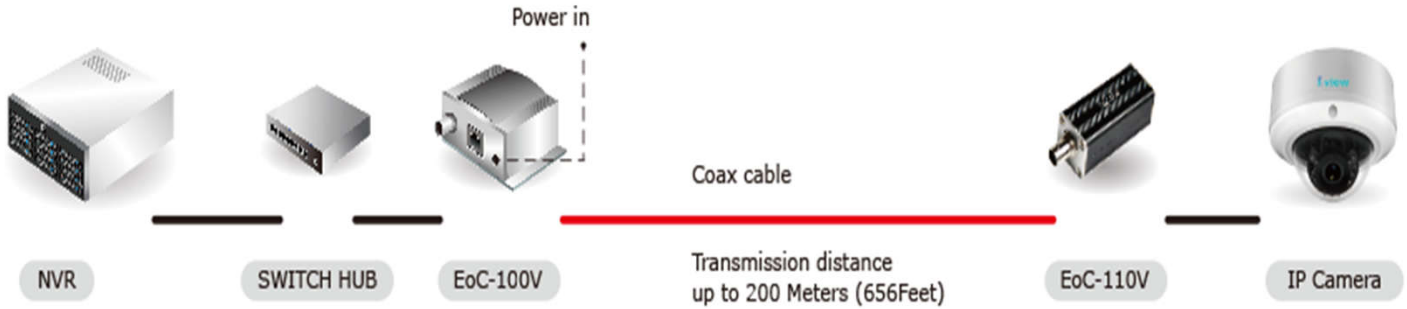


How to use EoC



How to use EoC





Thank you!

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