



POE-IPC-600x-KIT

Long Range PoE Extender over Coax

The POE-IPC-600x-Kits comprise of the PoE transmitter and receiver units and provide a cost effective solution for migration of analogue to IP camera transmission, without the need for re-cabling to Category 5 or 6 cabling. By adopting innovative technology, the range of these units extends 802.3af/at compliant Power and Ethernet transmission up to 600 metres over coaxial cable and provides this as an RJ45 PoE interface for the PD.

Features

- Long Range PoE Extender over coax up to 600m
- One to many Application
- 2 Wire/CAT5e Application
- 10/100 Mbps full duplex data speeds
- BNC interface
- High Reliability
- Wide Operating Temperature range
- PoE (Power-over-Ethernet) to IEEE 802.3af/at Standard
- High Density 19" Rack mount compatible options

EXIC8488 (POE-IPC-6001-KIT) /
EXIC8490 (POE-IPC-6003-KIT)



Transmitter
(Network Side)

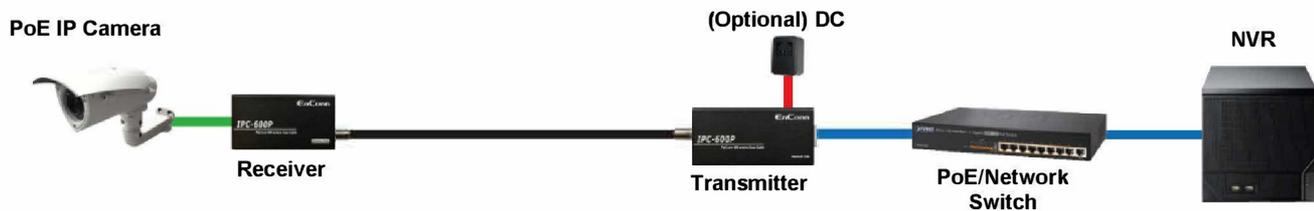


Receiver
(Camera Side)

Applications

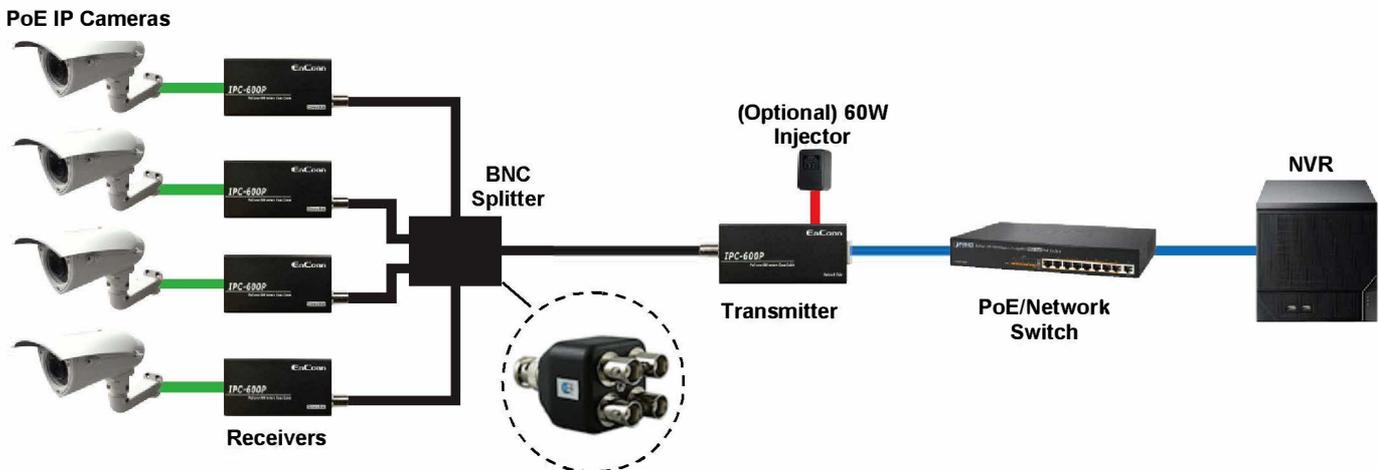
One to One Application

Using these kits a distance of up to 600m can be achieved over a single coaxial cable.



One to Many Application

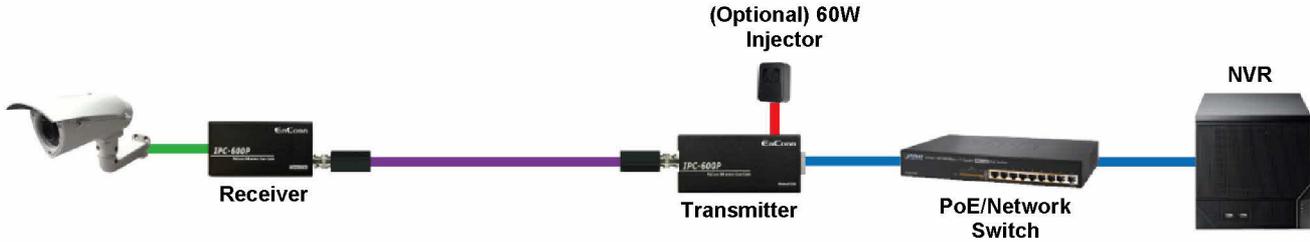
With the use of BNC4 Splitter a one to many application can be achieved. Ideally the BNC4 should be placed near the transmitter to maximise transmission distance. When used at the field end the distances will be shorter and/or number of receivers may need to be reduced.



2 Wire/CAT5e Application

With the use of E180RS at both ends also allows a single twisted pair or Figure 8 cable to be used as the transmission link instead of coax.

Note: Reduced range typically around 100 metres can be expected using this method.



High Density 19" 1RU Rack mountable Options



One to One Rack
Up to 18 Cameras per 1RU 19" Rack



One to Many Rack
Up to 16 Cameras per 1RU 19" Rack

Typical Transmission Distance with PoE

Total Power of PDs (Watts)	Metres (RG59/U) 60 Watt PSE	Metres (RG59/U) 30 Watt PSE	Metres (RG59/U) 15.4 Watt PSE
4.5	600	600	600
6	520	520	520
8	428	428	x
10	356	356	x
15	256	256	x
20	199	199	x
25	163	x	x
30	138	x	x
35	120	x	x

Note: Actual Distance depends on type of Coaxial cable, power source and termination method used and site specific noise environment encountered. Local power can be used for higher power devices to extend range.



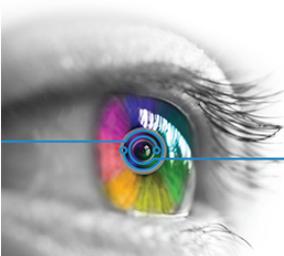
Specifications

Electrical Specifications		
	Transmitter (Network Side)	Receiver (Camera Side)
Model	POE-IPC-600T	POE-IPC-600R
Standard	IEEE 802.3af/IEEE 802.3at	
Data Speed	10/100 Mbps Full Duplex	
Ethernet Cable	Up to 100m	Up to 100m
Transmission Distance	Up to 600m* / Data Up to 900m*	
PoE Voltage Input	IEEE802.3af/at, 48VDC 60W Max	48VDC 30W Max
PoE Consumption	3W (Typical)	2.6W (Typical)
Interface		
Ethernet	RJ-45 Power + Data (PoE In)	RJ-45 Power + Data (PoE Out)
Coaxial	BNC Power + Data	BNC Power + Data
DC Input	DC Jack 2.1 x 5.5mm	1 DC Jack 2.1 x 5.5mm
Mechanical and Environment Specifications		
Dimension	90 (L) x 42 (W) x 22 (H) mm	80 (L) x 42 (W) x 22 (H) mm
Weight	131g	120g
Operating Temperature	0 ~ 60 Degree C	-10 ~ 60 Degree C
Operating Humidity	10 ~ 90% (non-condensing)	
Certification	CE, FCC, C-Tick	

Specifications subject to change without notice.

Ordering Information

ORDER INFORMATION	
POE-IPC-6001-KIT	1 Transmitter, 1 Receiver
POE-IPC-6002-KIT	1 Transmitter, 2 Receiver (inc. 1 x Power Injector) and 1 Splitter
POE-IPC-6003-KIT	1 Transmitter, 3 Receiver (inc. 1 x Power Injector) and 1 Splitter
POE-IPC-6004-KIT	1 Transmitter, 4 Receiver (inc. 1 x Power Injector) and 1 Splitter
POE-IPC-600T	Transmitter Unit (Network Side)
POE-IPC-600R	Receiver Unit (Camera Side)
EC4BNC	4 Way BNC Splitter
E180RS	BNC to Screw Terminal Adapter
PWR-60-48	60 Watt 48VDC Injector
EC-400	19" Rack Mount 1RU Chassis up to 4 Transmitters with BNC Splitter
EC-1800	19" Rack Mount 1RU Chassis up to 18 Transmitters



VIC Unit 7, 170 Forster Road, Mt Waverley VIC 3149
 NSW Unit 5, 142 James Ruse Drive, Parramatta NSW 2150
 QLD 15-19 Hudson Road, Albion QLD 4010
 WA Unit 4, 200 Balcatta Road, Balcatta WA 6021
 ACT Unit 2, 157-161 Gladstone Street, Fyshwick ACT 2609

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