Ethernet over Coax Converter Kit with POE

FEATURES:

♦ Transmits IP Camera Signal over Coaxial Cable

♦ Injects POE Power over Coaxial for IP Cameras

♦ No PC Required - Plug & Play Design

♦ Up to 550m/600m Transmission via RG59/RG6 Cable

♦ Built in Surge Protection for BNC & RJ45 Ports

♦ Reduces Cost of Running New Cables

♦ 56 Volt DC / 65W Power Supply Included

♦ Indoor Use Only

INCLUDED ACCESSORIES:

User Manual, Wall Mount Hardware Kit x 2,
56VDC Power Supply.

EOCCPK

FRONT / REAR PANEL LAYOUT & CONNECTIONS
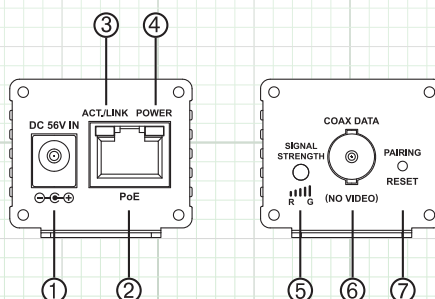
1. 56VDC Power Supply Input
2. Ethernet + POE Interface
3. Data Link LED Indicator
4. Power LED Indicator
5. Signal Strength LED Indicator
6. Coaxial Interface
7. Pairing / Reset Button

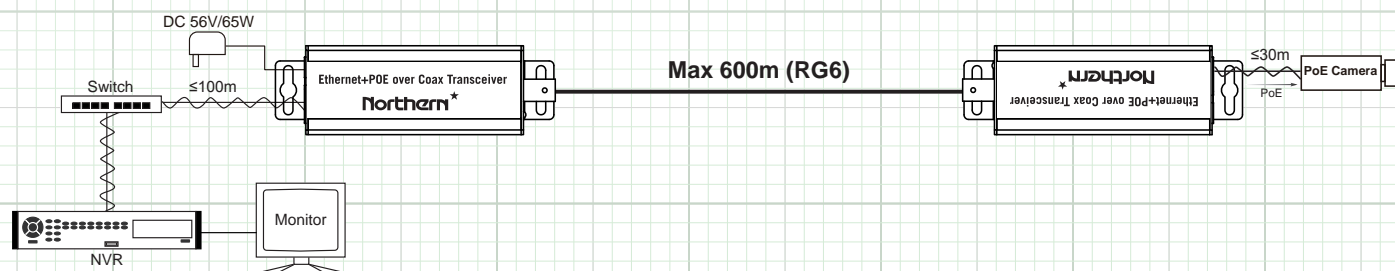| SPECIFICATION	EOCCPK		
Extender Interface			
Connector Type	1x BNC		
Cable Type	75-ohm RG59, RG6, or RG11 Video-Grade Coaxial Cable		
Max. Transmission Distance	600m (1968ft.) for RG6 Coaxial Cable / 500m (1640ft.) for RG59 Coax Cable		
Ethernet Interface			
Connector Type	1x RJ-45 with LEDs on Connector		
Cable Type	Straight Through or Cross-Over Cat5/Cat6 Cable, Auto MDI/MDIX		
Rate	IEEE 802.3x, Auto-Detection for 10/100Base-T & Full/Half Duplex		
Output Voltage	IEEE 802.3af/at PSE@ RJ45 Port		
Control & Indicators			
Color LED	Green = GOOD (Link Speed > 60 Mbps) / Amber = MEDIUM (Link Speed 20~60Mbps)Red = BAD (Link Speed < 20Mbps) / OFF = NO LINK		
Yellow LED (On RJ45)	Power On		
Green LED (On RJ45)	Link/Act.		
Push Button	Reset / Pairing		
Push Button Pairing Process	Reset / Pairing (Join or Leave Network Group)		
	Push Duration	LED Status	Description
	1 – 3 sec	Red Blink	Join/Host Network Group
	5 – 8 sec	Amber Blink Once -> OFF	Leave Network Group
	12 - 30 sec	OFF -> Amber Blink Once	Reset to Default Network Group
Power			
Input Operating Voltage	DC 56V / 65W (Included)		
Power Consumption	1.5W (w/o Power Forwarding)		
Mechanical & Environmental			
Weight	176g (6.2 oz)		
Dimensions (W × L × H)	38 x120 x 33mm (1.5"x4.7"x1.3")		
Operation Temperature	-20C ~ +60°C (-4°F ~ 140°F)		
Storage Temperature	-30°C ~ 80°C (-22°F ~ 176°F)		
Humidity	20% to 85% RH. (Non-Condensing)		

Note: Specification subject to change without notice

Transmission Distance:

Transmission Distance with PoE Power Delivered						
PoE Power Delivered (Based of 56VDC / 60W Power Supply)	No POE	5.5W	7W	9W	12W	17W
Maximum RG6 Coax Data Link Distances	2000m	600m	500m	400m	300m	200m
Maximum RG59 Coax Data Link Distances	1800m	550m	450m	350m	250m	150m

Application Diagrams:

Application Diagram 1:

Single Camera EoC with PoE Transmission System (Power At DVR Side)

DC 56V/65W
Switch   ≤100m   Ethernet+POE over Coax Transceiver Northern ★
Max 600m (RG6)
Ethernet+POE over Coax Transceiver Northern ★
≤30m   PoE Camera   PoE
Monitor
NVR

Application Diagram 2:

Single Camera EoC with PoE Transmission System (Power At Camera Side)

Switch   ≤100m   Ethernet+POE over Coax Transceiver Northern ★
Max 600m (RG6)
Ethernet+POE over Coax Transceiver Northern ★
≤100m   PoE Camera   PoE
DC 56V/65W
Monitor
NVR
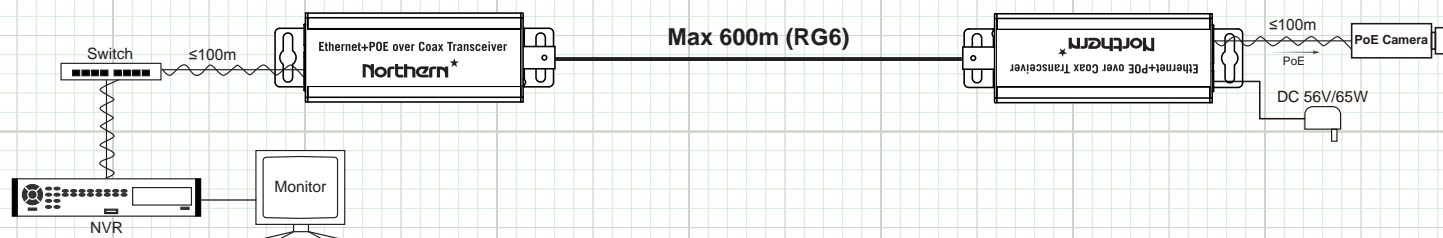
Application Diagram 3:

Single Camera EoC Transmission System (No POE – Camera Powered Locally)

DC 56V/65W
Switch   ≤100m   Ethernet+POE over Coax Transceiver Northern ★
Max 2000m (RG6)
Ethernet+POE over Coax Transceiver Northern ★
≤100m   IP Camera
Camera Powered Locally
Monitor
NVR