

## **GV-POC0100** 1-Port BNC PoE over Coaxial Extender



### **Packing List**

1. Power over Coaxial Cable Extender  
Transmitter x 1
2. Power over Coaxial Cable Extender  
Receiver x 1
3. Installation Guide x 1
4. Power Adapter x 1
5. Power Cord x 1

**Note:** If any of these items is found missing or damaged, please contact your local supplier for replacement.

## Overview

### Transmitter



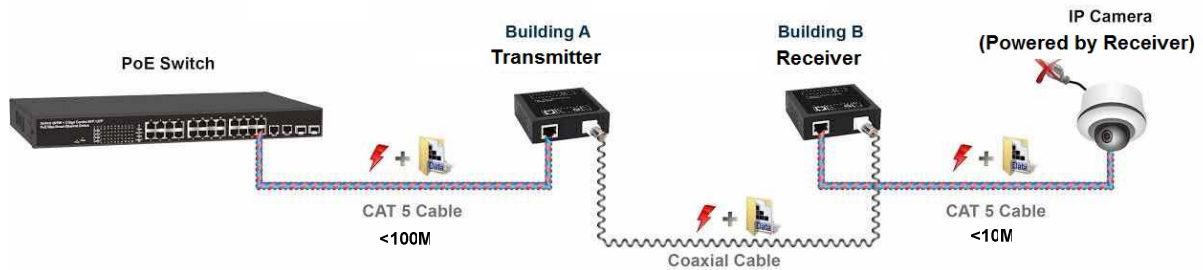
### Receiver



| LED                    | Status    | Description                                    |
|------------------------|-----------|--|
| Power                  | Green On  | Power is on.                                   |
|                        | Off       | Power is off.                                  |
| PoE Out (Transmitter)  | Yellow on | Transmitting PoE Power                         |
|                        | Off       | Not Transmitting PoE Power                     |
| PoE In (Receiver)      | Yellow on | Receiving PoE Power                            |
|                        | Off       | Not Receiving PoE Power                        |
| Speed (100 m / 328 ft) | Green on  | Transmitter/Receiver under 100 m (328 ft) mode |
|                        | Off       | Transmitter/Receiver under 10 m (32.8 ft) mode |
| Ethernet Link/Act      | Green on  | Ethernet Cable Connected                       |
|                        | Blinking  | Transmitting/Receiving Data via Ethernet Cable |
|                        | Off       | Ethernet Cable Not Connected                   |
| Coaxial Link/Act       | Green on  | Coaxial Cable Connected                        |
|                        | Blinking  | Transmitting/Receiving Data via Coaxial Cable  |
|                        | Off       | Coaxial Cable Not Connected                    |

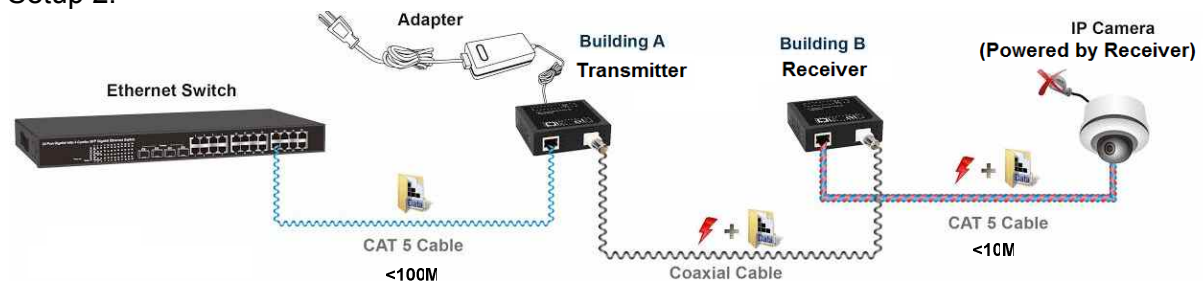
## Application Diagram

Setup 1:



**Note:** Transmitter is powered by PSE/PoE+, using 100 m (328 ft) RJ-45 Cable.

Setup 2:



**Note:** Transmitter is powered by adapter.

| Coaxial Cable Type | Coaxial Cable Length    | Transmitter Power Source                          | PoE Power Available from Receiver |
|--------------------|-------------------------|---|-----------------------------------|
| RG6 (5C2V)         | 180 Meters (590.5 Feet) | 54V DC External power                             | 14.05 Watts                       |
| RG11 (7C)          | 230 Meters (754.6 Feet) | 54V DC External power                             | 26.34 Watts                       |
| RG6 (5C2V)         | 180 Meters (590.5 Feet) | GeoVision PoE+ Switch / 3rd Party 56V PoE+ switch | 10.45 Watts                       |
| RG11 (7C)          | 230 Meters (754.6 Feet) | GeoVision PoE+ Switch / 3rd Party 56V PoE+ switch | 18.06 Watts                       |

**Note:**

1. Users can choose to supply power to Transmitter by either PoE+ switch or adapter, depending on their network environment. For instance, users who own a PoE+ switch may choose to apply Setup 1.
2. Be sure to connect the coaxial cable at both ends (BNC ports of Transmitter and Receiver) before powering the device.

## Specifications

| Ports                      |  |   |
|----------------------------|--|---|
| Number of Ports            | 1-Port, 10/100BaseT(X), PoE over Coaxial Extender  |   |
| Network Standard           | IEEE 802.3 10BaseT<br>IEEE 802.3u 100BaseTX<br>IEEE 802.3af/at   |   |
| Connectors                 | Ethernet: 10/100BaseT(X), RJ45 Connector, Auto-MDI/MDI-X<br>BNC Connector  |   |
| Cables                     | PoE+: Cat.5e above<br>PoC: RG6 (75Ω), RG11 (75Ω)   |   |
| Mechanical Characteristics |  |   |
| LED Indicators             | Transmitter  | 5 LEDs: PoE Out, 100 m (328 ft), Ethernet Link/Act, Coaxial Power, BNC Link/Act |
|                            | Receiver   | 5 LEDs: PoE In, 100 m (328 ft), Ethernet Link/Act, Coaxial Power, BNC Link/Act  |
| Electrical Characteristics |  |   |
| Power Input                | Power Adapter: 100 ~240V AC to 54V DC / 0.92A<br>5.5/2.1 mm DC Jack and 2-pin Terminal Block   |   |
| PoE Power                  | IEEE 802.3at Compliant Voltage, Per Port Max. 30 watts   |   |
| Power Output and Range     | <p>For typical copper-core video coax. A full-rate network connection can be established over RG6 (5C2V) and RG11 (7C)</p> <p>The PoE power availability (measured from PoC Receiver PoE Out port) depends on the length of coaxial cable and power source connected to the Transmitter:</p> <ul style="list-style-type: none"> <li>PoE+ switch: 10.45 watts max. (RG6) and 18.06 watts max (RG11)</li> <li>External 54V power supply: 14.05 watts max. (RG6) and 26.34 watts max. (RG11)</li> </ul> |   |
| General                    |  |   |
| Dimensions (H x W x D)     | 22 x 71 x 66 mm (0.87" x 2.8" x 2.6") (BNC Connector excluded)   |   |
| Weight                     | 135 g (0.3 lb)   |   |
| Operating Temperature      | 0°C ~ 50°C (32°F ~ 122°F)  |   |
| Storage Temperature        | -20°C ~ 85°C (-4°F ~ 185°F)  |   |
| Humidity                   | 10 to 90% RH (non-condensing)  |   |

**Note:** Specifications are subject to change without prior notice.