

## GV-POEX0100 One-Port PoE Extender



- 10/100 PoE extender
- PoE (IEEE 802.3af) and PoE+ (IEEE 802.3at) compliant
- Extension up to 600 m (1,968.5 ft) using 5 GV-POEX0100
- Compatible with GV-IP Cameras
- No additional power supply required

### Introduction

GV-POEX0100 is a single-port, 10/100 PoE extender that can extend the distance between a PoE switch and a GV-IP Camera by 100 m (328.08 ft) for every extender installed. They can be serially connected, with no additional power supply, to transmit power and data to a GV-IP Camera as far as up to 600 meters (1,968.5 ft) away from a PoE switch.

### Requirements

The maximum distance allowed between a PoE switch and a GV-IP Camera depends on the PoE switch type, PoE power output of the connected device (PD) and the type of power supply. These can be summarized below.

#### GV-IP Cameras Powered by PoE

PD of GV-IP Cameras	Brand & Model		
	GeoVision		Third-Party PoE Switches (IEEE 802.3at)
	GV-POE0801 / 0811 GV-POE1601 / 1611 GV-POE2401 / 2411	GV-POE0400 GV-POE0800 GV-POE0810	
PD < 6.49 W (IEEE 802.3af)	600 m (1,968.5 ft)	400 m (1,312.34 ft)	400 m (1,312.34 ft)
PD 6.5 W ~ 12.95 W (IEEE 802.3af)	400 m (1,312.34 ft)	200 m (656.17 ft)	200 m (656.17 ft)
PD 13 W ~ 25.5 W (IEEE 802.3at)	200 m (656.17 ft)	-	-
PD > 25.5 W	-	-	-

#### Note:

1. Each GV-POEX0100 extends another 100 m (328.08 ft) between the PoE switch and the GV-IP Camera. Therefore, a distance of 200 m requires one GV-POEX0100 and 400 m (1,312.34 ft) requires three etc.
2. GV-POE0100 can only be connected using CAT-5e cables, TIA/EIA-568-B, with the maximum DC resistance of 9.38 ohms/100 m.

#### GV-IP Cameras Powered by PoE

Brand & Model	GeoVision		Third-Party PoE Switches (IEEE 802.3at)
	GV-POE0801 / 0811 GV-POE1601 / 1611 GV-POE2401 / 2411	GV-POE0400 GV-POE0800 GV-POE0810	
	GV-IP Cameras	600 m (1,968.5 ft)	400 m (1,312.34 ft)

## Compatibility

1. GV-POEX0100 is only compatible with third-party switches that comply to PoE+ (IEEE 802.3at) and is not compatible with GV-PA191/481/482/901.
2. GV-POEX0100 supports all GV-IP Cameras when installed with a power adapter and does not support the following models when powered by PoE:
  - GV-BX2510-E / 5310-E
  - GV-FE3403 / 5303
  - GV-VD2540-E / 5340-E
  - GV-SD220 / 220-S
3. GV-POEX0100 is only compatible with the following GeoVision PoE switches of the indicated firmware versions:
  - GV-POE0801 / 1601 / 2401 (V1.03 or later)
  - GV-POE0811 / 1611 / 2411 (V1.01 or later)

## Specifications

Ports	
Network Standard	10/100 Mbps half/full duplex
Connectors	RJ-45
Network cables	Cat5e or higher
Mechanical	
LED Indicator	4 LEDs: Power x2, Network x2 Power indicator: PoE enable (Amber) Network indicator: Link (Green), Activity (Green Blink)
PoE Control Button	On / Off
General	
Operating Temperature	-10°C ~50°C (14°F ~ 122°F)
Humidity	10% to 90% (no condensation)
Environment	Indoor
Dimensions (L x W x H)	102.8 x 28.8 x 20 mm (4.05" x 1.13" x 0.79")
Weight	87 g (0.19 lb)
Regulatory	CE, FCC Class A

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

## Packing List

1. GV-POEX0100
2. Screw x 2
3. Screw anchor x 2
4. GV-POEX0100 Installation Guide