

WT-GAF-PTZOptics Gigabit splitter for 12 volt PTZOptics cameras etc Version 3



This device provides a low cost solution for delivering power to a 12 volt camera or routers over 328ft of network cable for a non-PoE PTZOptics camera such as a Huddlecam. This device allows power to be carried on 10/100/1000 networks with either 802.3af or passive injectors and switches with a CAT5e, CAT6 or CAT7 Ethernet network cable.

Intended for use with Cisco or similar PoE switches – this active PoE solution negotiates with the switch to activate power and provide it to the client device. It is a compact and cost effective power solution. The switch supplies 48 or 56 volts DC at the source location. The higher DC voltage means the current is reduced by a factor of 4, and then carried with less loss over the 10BASE-T or 100BASE-T network cable. The splitter extracts the DC voltage from the network cable and reduces the voltage to 12v, and increases the available current by the same factor to power the camera on the EIAJ-04 splitter DC plug. Unlike simple injector / splitter sets, this combination of a 48v source and 12v converter allows you to extend the distance with this product for this application up to 328ft or 100 meters.

We also offer kits with up to 16 injectors and splitters – so one power supply can feed 4, 8, 12 or 16 cameras. These kits include the Multi Port Passive POE injector and a power supply of either 30 watts, 60 watts or 120 watts.

- Step a) connect EIAJ-04 DC cord to your camera,
- Step b) connect RJ45 male to your camera
- Step c) use a factory Ethernet cable to connect the RJ45 female to your PoE switch up to 100 mtr distance

Typical Cameras

- PTZOptics non-PoE Cameras such as Huddle Cam, PTZOptics 12x-USB

Specifications

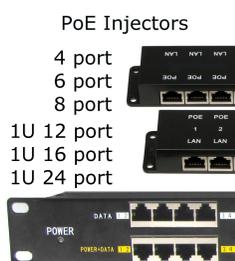
Power and data source	RJ 45 female connector
DC output	EIAJ-04
Data only connector	10/100/1000 BASE-T RJ-45 male
Data Pins out – male RJ45	All pins active for gigabit speeds
Data + Power input Pins (802.3af mode A)	1&2 and 3&6 – either polarity
Input Voltage	44 to 57 volts
Input Current at 48v	300 ma input delivers 1 amp out
Output Voltage Max load (12v12w)	12v +- 2% at 1 amps 12 watts
Output Voltage no load	12v
Operating Temperature	0°C ~ 50°C
Size	22 x 22 x 100 mm



Power non-PoE Cameras



PoE Tester



PoE Injectors
 4 port
 6 port
 8 port
 1U 12 port
 1U 16 port
 1U 24 port
 WiFi-Texas injectors



Any PoE Switch