



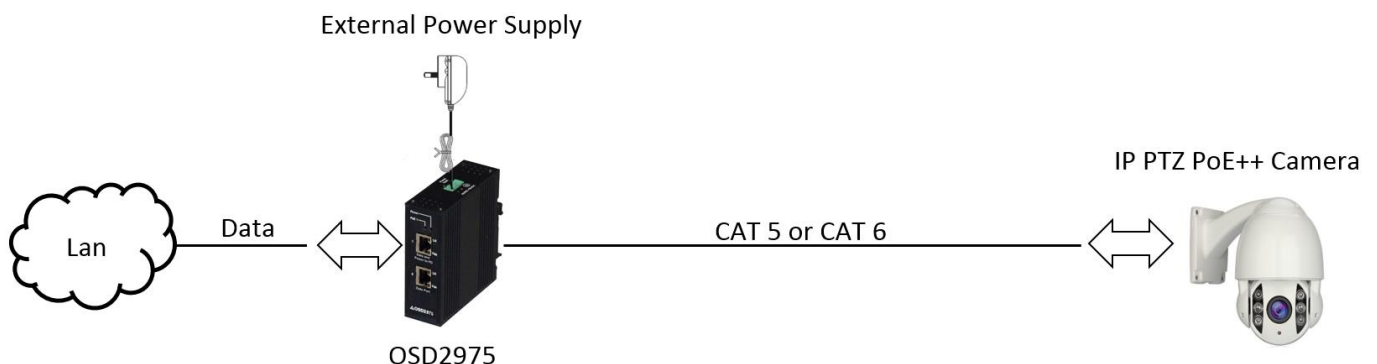
### APPLICATIONS

- ▲ Power over Ethernet in 10/100/1000Base-T networks
- ▲ Networks using Power over Ethernet devices such as PTZ IP cameras, intercoms, access control, telephones, variable message signs, WiFi access points etc
- ▲ PoE power distribution for Telco 4G and 5G wireless access points

### FEATURES AND BENEFITS

- ▲ PoE PSE compliant to IEEE 802.3af/at
- ▲ User selectable support for IEEE PoE standards or legacy PoE standards (up to 13W)
- ▲ User selectable single or dual PD signature detection
- ▲ Small and robust module powered by a wide range of DC power sources
- ▲ Supports networks speeds up to 1000Mbps
- ▲ DIN rail or surface mounting
- ▲ Operates over the temperature range of -40 to +75°C
- ▲ Powered from 20 to 57VDC sources
- ▲ Plug and play operation

### TYPICAL SYSTEM DESIGN



### ORDERING INFORMATION

OSD2975 PoE+ Injector powered by 20 to 57VDC



# SPECIFICATIONS

---

## ELECTRICAL

Electrical Data Interface	IEEE802.3af, 802.3at
Electrical Data Rate	10, 100, 1000Mbps
Electrical Data Connectors	RJ45
PoE PSE	Alternative A (Pins 1/2 and 3/6) and Alternative B (Pins 4/5 and 7/8)
PoE Voltage	55 ± 1V
Maximum PD PoE Power	30W
Reverse Polarity Protection	Included
Controls	IEEE802.3 standards based or legacy operation Single signature or dual signature PD detection

## PHYSICAL

Operating Temperature Range	-40 to +75°C
Relative Humidity	0 to 95% non-condensing
Power Requirements	20 to 57VDC @ 3W with no PD power consumption 20 to 57VDC @ 36W with 30W PD power consumption
Power Connector	3-way 5.08mm terminal block: V-, V+ and Case Ground
Indicators	Power PoE
Dimensions of Module (mm)	25W x 89D x 80H excluding connectors
Case Material	Powdercoated aluminium
Weight of Module (kg)	0.4