

# ET-INJ90

Hardened Gigabit Single-Port 90W PoE Injector



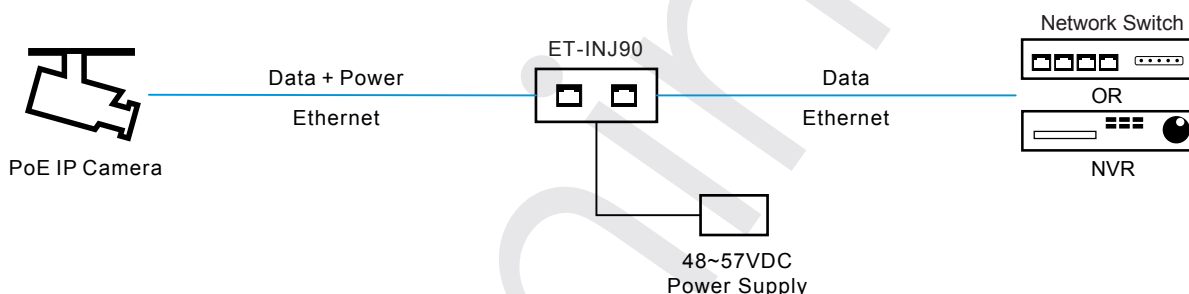
## Features

- ▶ 1 RJ45 Ethernet Data Input Port + 1 RJ45 Power over Ethernet Output Port (Data + Power)
- ▶ Support 90W PoE++ Power Sourcing Equipment
- ▶ Compatible IEEE802.3at PoE+
- ▶ Support 10/100/1000Base-TX
- ▶ Extensive LED indicators for PoE diagnostics
- ▶ 48~57VDC Terminal Block Power inputs
- ▶ Supports DIN-Rail and Wall-mount installation
- ▶ -40°C to 75°C (-40°F to 167°F) operating temperature

## Warranty

- ▶ 5-Year Warranty

## Typical Application



## Specifications

### Ethernet

Standards	IEEE802.3af/at Power over Ethernet
Processing Type	Forward
	Half-duplex, Full duplex
Forward Filter Rate	1,488,000pps (1000Mbps)
Cabling	1000Base-TX: Cat5 or above
Maximum Distance	Cat5 UTP up to 100m
Connector	2 x RJ45

### Electrical and Mechanical

Input Power	48~57VDC (Terminal Block)
Power Consumption	90W
LED Indicators	
Power	Power Status
PoE	PoE Status
PoE	IEEE802.3at, PoE++ 60W
	4 pair output power for PoE++ (90W)
	2 pair output power for PoE+ (30W)
Dimensions (W x D x H)	96 x 80 x 31 mm
Weight	0.2 Kg
Casing	Aluminum case
Mounting Options	DIN Rail / Wall Mount

### Environmental

Operation Temperature	-40°C to 75°C (-40°F to 167°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	5% to 95% non-condensing
MTBF	> 200,000 hrs

## Specifications

### Regulatory Approvals

ISO9001, CE, FCC, RoHS

EMI:

EN55022:2010+AC: 2011, Class A

EN 61000-3-2: 2006+A1: 2009+A2: 2009

EN 61000-3-3: 2013

EN55024:2010

EMS:

IEC 61000-4-2: 2008 (ESD)

IEC 61000-4-3: 2010 (RS)

IEC 61000-4-4: 2012 (EFT)

IEC 61000-4-5: 2014 (Surge)

IEC 61000-4-6: 2013 (CS)

IEC 61000-4-8: 2009 (PFMF)

## Ordering Information

Available Model	Description
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### Optional Accessories (to be purchased separately)

**Power supply** Please refer to the power supply information at the back of the catalogue, our website [www.ot-systems.com](http://www.ot-systems.com), or consult OTS sales at [sales@ot-systems.com](mailto:sales@ot-systems.com) for your power system design properly.

### Package Checklist

■ Hardened Gigabit PoE Injector	x 1
■ Wall Mount plates	x 1
■ Din Rail Clip	x 1
■ Quick Installation Guide	x 1



OT Systems Ltd., Oct 2015

Due to continuous improvement, all product specifications are subject to change without further notice.