ET-INJ30

Hardened Gigabit 1-port Ethernet Input + 1-port PoE+ Output Injector

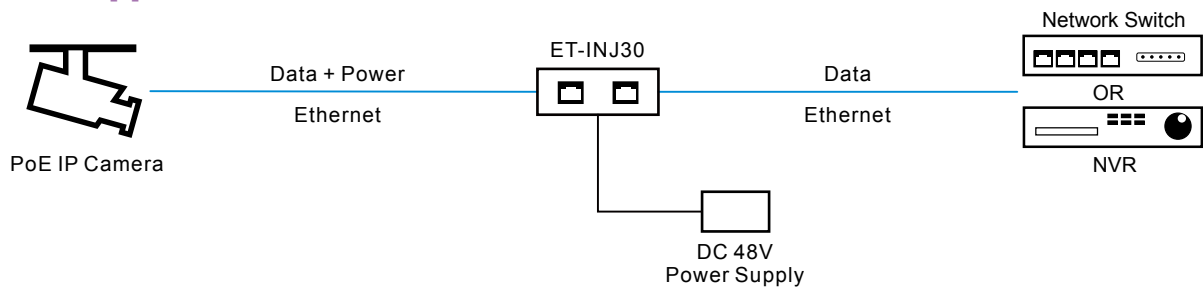## Features

► 1 RJ45 Ethernet Data Input Port + 1 RJ45 Power over Ethernet Output Port (Data + Power)

► Support IEEE802.3at Power over Ethernet (PoE+) Power Sourcing Equipment

► Support 10/100/1000Base-TX

► Support DIN-Rail & Wall-mount installation

► Extensive LED indicatiors for PoE diagnostics

► Environmentally hardened
-40°C to 75°C (-40°F to 167°F) operating temperature

Warranty

► 5-Year Warranty

Typical Application

PoE IP Camera — Data + Power / Ethernet — ET-INJ30 — Data / Ethernet — Network Switch OR NVR

DC 48V Power Supply

Specifications

Ethernet

Standards	IEEE802.3af/at Power of 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	35W Max.
LED Indicators	
Power	Power Status
PoE	PoE Status
PoE	
Standard	IEEE802.3at
Port	RJ45
Max. Power	30W Max (Alternative B Mode)
Dimensions (W x D x H)	31 × 80 × 96 mm
Weight	0.2 Kg
Casing	Aluminum case
Mounting Options	DIN Rail / Wall Mount

Specifications

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	0% to 95% non-condensing
MTBF	> 200,000 hrs

Regulatory Approvals

ISO9001

FCC Part 15 Class A

EN55022:2006+A1:2007 Class A

Surge Protection:

RJ45: 1kV

Power: 500V

ESD: 4kV / 8kV

Ordering Information

Available Model	Description
ET-INJ30	Hardened Gigabit 1-port Ethernet Input +1-port PoE+ Output Injector

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, or consult OTS sales at 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

PoE Injector & Splitter

Accessories

OT Systems Ltd., Oct 2015

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

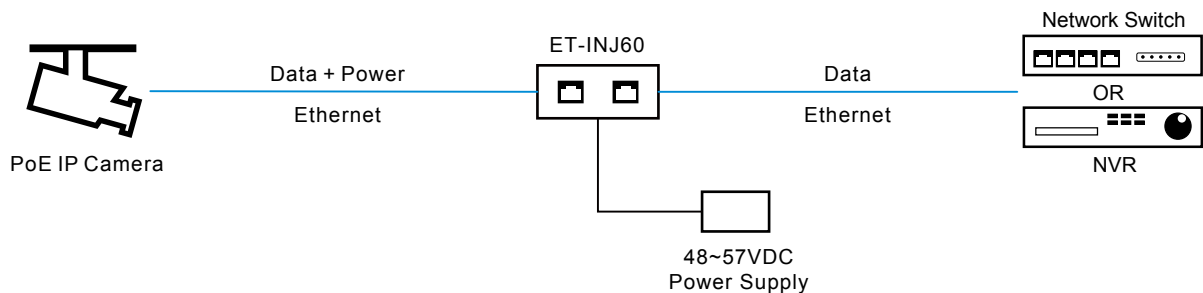# ET-INJ60

Hardened Gigabit Single-Port 60W PoE Injector

Features

► 1 RJ45 Ethernet Data Input Port + 1 RJ45 Power over Ethernet Output Port (Data + Power)
► Support 60W LTPoE++ 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

| PoE IP Camera | Data + Power / Ethernet | ET-INJ60 | Data / Ethernet | Network Switch OR NVR |

48~57VDC Power Supply

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	65W Max.
LED Indicators	
Power	Power Status
PoE	PoE Status
PoE	IEEE802.3at, LTPoE++ 60W
	4 pair output power for LTPoE++ (60W)
	2 pair output power for PoE+ (30W)
Dimensions (W x D x H)	31 × 80 × 96 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

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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
ET-INJ60	Hardened Gigabit Single-Port 60W PoE Injector

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, or consult OTS sales at 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

PoE Injector & Splitter

Accessories

OT Systems Ltd., May 2016

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

ET-INJ90

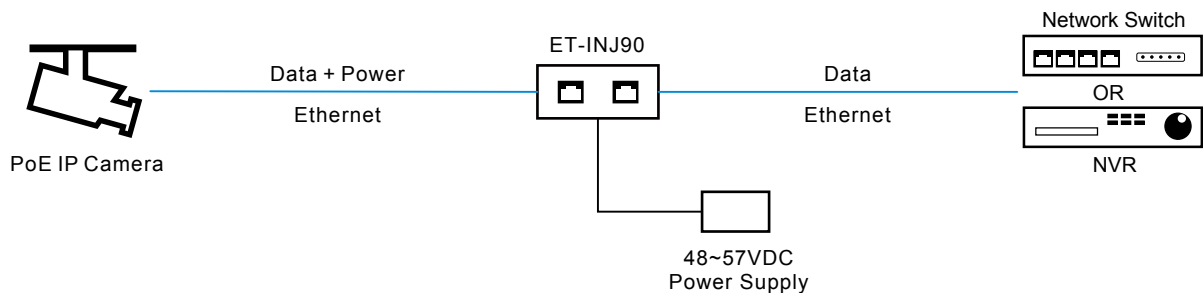## Hardened Gigabit Single-Port 90W PoE Injector

Features

- ► 1 RJ45 Ethernet Data Input Port + 1 RJ45 Power over Ethernet Output Port (Data + Power)
- ► Support 90W LTPoE++ 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

PoE IP Camera — Data + Power / Ethernet — ET-INJ90 — Data / Ethernet — Network Switch OR NVR

48~57VDC Power Supply

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	95W Max.
LED Indicators	
Power	Power Status
PoE	PoE Status
PoE	IEEE802.3at, LTPoE++ 90W
	4 pair output power for LTPoE++ (90W)
	2 pair output power for PoE+ (30W)
Dimensions (W x D x H)	31 × 80 × 96 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

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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
ET-INJ90	Hardened Gigabit Single-Port 90W PoE Injector

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, or consult OTS sales at 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., May 2016
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ET-SPT12V

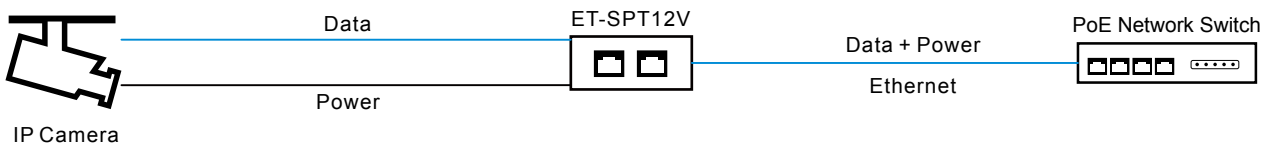## Hardened Gigabit 1-port PoE+ In + 1-port Ethernet Data Out PoE Splitter

Features

► 1 RJ45 PoE PSE Input Port (Data + Power) + 1 RJ45 Ethernet Data Output Port (Data only)
► Support IEEE802.3at Power over Ethernet (PoE+) Power Sourcing Equipment
► Support 10/100/1000Base-TX
► Support DIN-Rail & Wall-mount installation
► Extensive LED indicatiors for PoE diagnostics
► Environmentally Hardened
  -40°C to 75°C (-40°F to 167°F) operating temperature

Warranty

► 5-Year Warranty

Typical Application

IP Camera — Data / Power → ET-SPT12V — Data + Power / Ethernet → PoE Network Switch

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	20W/12VDC (Terminal Block)
Power Consumption	25W Max.
LED Indicators	
PoE In	PoE PSE Power In
12V	DC 12V Output
Dimensions (W x D x H)	31 × 80 × 96 mm
Weight	0.25 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	0% to 95% non-condensing
MTBF	> 200,000 hrs

Specifications

Regulatory Approvals

ISO9001

FCC Part 15 Class A

EN55022:2006+A1:2007 Class A

Surge Protection:

RJ45: 1kV

Power: 500V

ESD: 4kV / 8kV

Ordering Information

Available Model	Description
ET-SPT12V	Hardened Gigabit 1-port PoE+ In +1-port Ethernet Data Out PoE Splitter

Package Checklist	
■ Hardened Gigabit PoE Splitter	x 1
■ Wall Mount plates	x 1
■ Din Rail Clip	x 1
■ Quick Installation Guide	x 1

FC CE RoHS Compliant

OT Systems Ltd., Oct 2015

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