AAS

4 Ports PoE Ethernet Switch

POE-0401-60

Front   Rear

This PoE Ethernet Switch is a security surveillance Ethernet Switch which aims at Ethernet high definition surveillance and Ethernet project security system. The product fully combines the characteristics of security surveillance, provides fast packet forwarding ability and abundant backplane bandwidth, which ensures clear image and fluent transmission. Inserted static, surge protection circuit can improve product stability. The product supports one key CCTV mode, can achieve VLAN, QoS priority after configuration, control the Net storm, protect the information security, prevent the viral transmission and Ethernet attack, fully satisfy the Ethernet video security surveillance system and Ethernet project needs.

Features   ..

- Transmission distance for Ethernet port up to 100m / 300ft
- 1 pc 100Mbps uplink Ethernet port; 4 pcs 100Mbps down link Ethernet ports; every port supports MDI/MDIX
- 1~4 downlink ports can only communicate with uplink ports
- Meets IEEE802.3, IEEE802.3u, IEEE802.3 af/at standards
- PoE use End-Span; the spare cable can be of other use
- Excellent anti-thunder, anti-static and anti-interference ability
- Delicate design and easy installation
- Configurable anti-theft lock hole to guard against theft
- Plug and Play, No Setting required
- 48V~57V DC

⚠️ ***Please read the <u>Manual </u>before attempting to use this product.***

Specifications and appearance are subject to change without notice.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN!

TO REDUCE THE RISK OF ELECTRICAL SHOCK,
DO NOT OPEN COVERS (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems).

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

⚠️ Caution ..

This product has been tested for conformance to safety regulations and requirements. However, like all electronic equipment, this product should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

1. Handle this product with care
   Avoid any shock or bumping of the product. Improper handling could damage the product. Do not handle the unit with wet hands. Provide proper ventilation and air circulation and do not use near water.

2. Requires a proper operating environment
   This product is not waterproof and is designed for indoor use. The allowable temperature range for operation of this product is between 0°C~55°C / 32°F~131°F.

3. Check the power source voltage
   The power source voltage should be within the specified range. (Product must meet the specifications).

4. Objects and liquid entry
   Never push objects of any kind into this product as this may touch dangerous voltage points of short out parts that could result in a fire or electric shock. Never spill any kind of liquid on the product.

5. Cleaning
   Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

6. Servicing
   Do not attempt to service this product by yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all service to qualified servicing personnel.
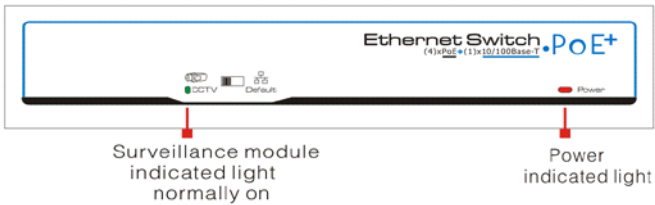
Package Contents   ..

1. One (1) 4 Ports PoE Ethernet Switch
2. One (1) Power Adapter
3. One (1) AC Power Cable
4. One (1) Accessory Set
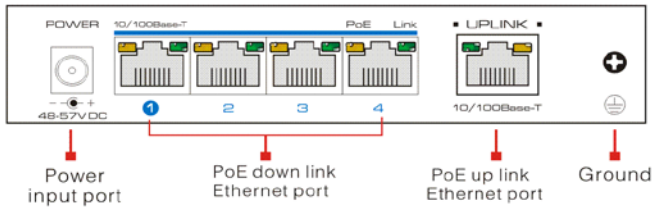5. One (1) User Manual

For any returns, please include all components listed above with original packaging in **Resalable Condition**. **Absolutely No Returns** will be accepted if any component is missing/damaged.
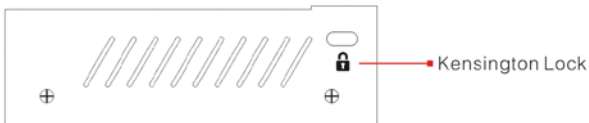
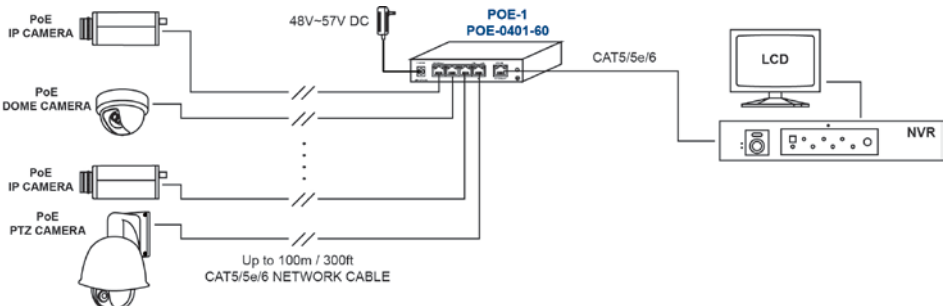## Parts & Functions   ..

Front

Surveillance module
indicated light
normally on

Power
indicated light

Rear

Power
input port

PoE down link
Ethernet port

PoE up link
Ethernet port

Ground

Side

Kensington Lock

Application Diagram   ..

Hardware Installation

1. Please turn off the signal power and display device power before installation. Installation with power will damage the transmission equipment.
2. Use network cable to connect PoE IP camera and 1~4 down link ports of product respectively.
3. Use a network cable to connect equipment uplink port and NVR or computer.
4. Turn on equipment power.
5. Check if the installation is correct, if equipment is in good condition, if connection is stable, and then provide power for the system.
6. Ensure the Ethernet equipment has appropriate power voltage and that it is working properly.

Technical Specifications

Model	POE-0401-60
Power Supply	Power Adapter Input
Voltage Range	48V~57V DC
Power Consumption	Equipment <5W ; PoE Output <60W
Ethernet Port Speed	1~4 Ethernet Port: 10/100Mbps Uplink Port: 10/100Mbps
Transmission Distance	Down Link: Up to 100m / 300ft Uplink Port: Up to 100m / 300ft
Ethernet Standard	Supports IEEE802.3 / 802.3u / 802.3x / 802.1p / 802.1q / IEEE802.3 af/at
Network Backpane Bandwidth	1G
Network Packet Forwarding Rate	0.75 Mbps
Network Packet Buffer	768k
MAC	2k
LED Status Indicator	Power 1pc (red) Ethernet Port (yellow = PoE ; green = Act/link) Surveillance module 1pc (green = start surveillance module)
Pulse Group Protection	Level 2 ; Standard IEC61000-4-4
ESD Protection	1a Contact Discharge Level 2 1b Air Discharge Level 2 Standard: IEC61000-4-2
Anti-Thunder Protection	Level 2 ; Standard: IEC61000-4-5
MTBF	$\geq$ 50,000h
Working Temperature	0°C ~ 55°C / 32°F ~ 131°F
Storage Temperature	-40°C ~ 85°C / -40°F ~ 185°F
Humidity (non-condensing)	0~95%
Material & Color	Galvanized Sheet Black
Dimensions (L x W x H)	135 x 103 x 27 mm / 5.31 x 4.06 x 1.06 inches
Net Weight	315g / 0.69 lbs

*Specifications are subject to change without notice

Troubleshooting

- Please confirm if the installation is correct.
- Please confirm if the RJ45 cable order is in accordance with the EIA/TIA568A or 568B industry standards (Refer to page 6).
- The maximum transmission distance is depends on the signal source and cable quality; do not exceed the maximum transmission distance.
- Please replace a normal device with a faulty one to check if the device is broken.
- If the problem still exists, please contact supplier.

Limited Warranty

LIMITED ONE (1) YEAR WARRANTY AND EXCLUSIONS

Manufacturer warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Manufacturer is free of defects in materials and workmanship under normal and proper use for one (1) year from the purchase date. Manufacturer's only obligation is to correct such defects by repair or replacement, at its option, if within such one (1) year period the product is returned prepaid, with proof of purchase date, and a description of the problem. This warrant excludes and there is disclaimed liability for labor for removal of this product or reinstallation. **This warranty is voided if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other implied warranties of any kind, including merchantability and fitness or a particular purpose**, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warrant, including merchantability and fitness of or a particular purpose, is limited to one (1) year. **Manufacturer is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, loss sales or profits or delay or failure to perform this warranty obligation.** The remedies, provided therein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

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CAUTION!!!
Failure to read this notice may result in damaging
the camera or device in which the <u>warranty will be voided</u> due to installation error.

When using any type of RJ45 jack powered balun, a **Cable Tester** must be used to ensure proper connection. Many individuals can make RJ45 connections easily, however mistakes can be made. When making connections for powered baluns, make sure to test the connectivity and ensure proper alignment on both sides.
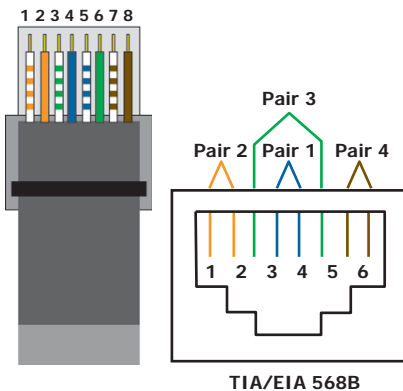

Cable Tester

When using passive or active baluns, the alignment of the cable is imperative to the success of the operation. Use a Cable Tester because it is a very simple, easy to find tool that can save a huge headache. For example, if one of the video wires accidentally gets crimped into the power side and the powered balun is then hooked up to the camera, both the camera and the balun have just burned out. This is an extremely costly mistake, not only in dollars but in time as well. How long does it take to test the RJ45 using a Cable Tester? **Less than one minute**.

The new terms and conditions state: When an RMA is requested and the product has been burned by bad RJ45 connections, the product is NO LONGER covered under warranty.

Note: Whichever way the RJ45 is terminated on one end of the cable, IT MUST BE THE SAME ON THE OTHER SIDE for either TIA/EIA 568A or TIA/EIA 568B. Below is an example of TIAEIA 568B.

TIA/EIA 568B

Pin	Pair	Color	Character
1	2	Orange / White	Video +
2	2	Orange	Video –
3	3	Green / White	Power –
4	1	Blue	Power –
5	1	Blue / White	Power –
6	3	Green	Power +
7	4	Brown / White	Power +
8	4	Brown	Power +

MADE IN CHINA

POE-1
R201502-V24