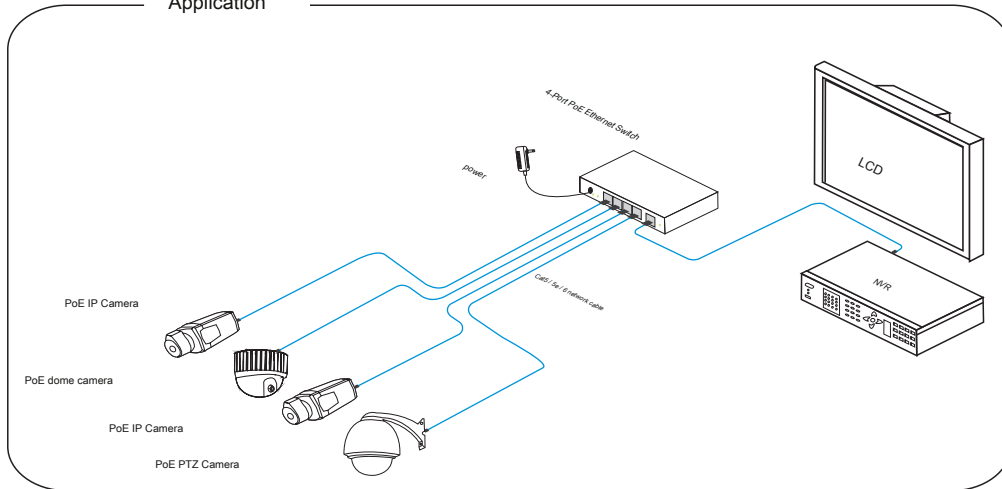


The 4-Port PoE Ethernet Switch is a switch that aims for high definition Ethernet surveillance and Ethernet project security system. The product fully combines the features of security surveillance, provides fast packet forwarding capability and abundant backplane bandwidth, ensuring a clear image and smooth transmission. ESD and surge protection circuit can improve product stability. The product supports a CCTV IP model, can achieve VLAN, control network storm, protect information security, prevent viral transmission and Ethernet attack, fully meet the Ethernet video security surveillance system and the needs of the Ethernet project.

Application



Characteristic

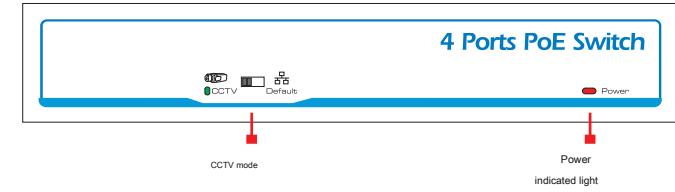
- 4 10 / 100Base-TX Ethernet ports (PoE ports) and 1 10 / 100Base-TX uplink port; Supports IEEE802.3af / at standards, 30W maximum output from single port.
- One-key CCTV mode: 1 ~ 4 downlink ports can only communicate with uplink ports, extend the transmission distance up to 250m (10Mbps)
- 8KV surge protection, 8KV ESD immunity and anti-interference.
- Easy and secure installation: wall mount, desktop, Kensington security slot; Plug and play.

**Important**

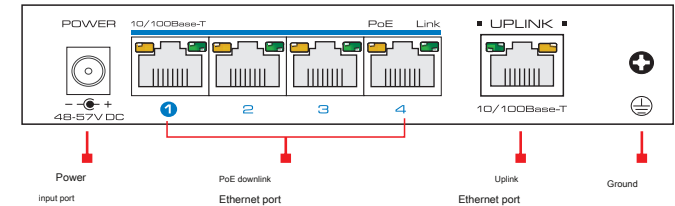
The transmission distance is related to the connected cable. We suggest a standard Cat5e / 6 network cable, so the transmission distance can be up to 100m.

Switch diagram

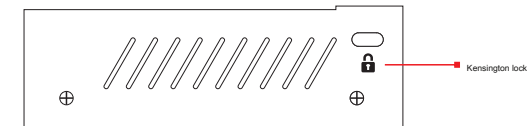
Front side



Rear side



Side



Description :

- 1) The equipment must be grounded according to the request.
- 2) Turn the selector to the left, the equipment can enter CCTV mode after restarting the equipment.

Installation steps

Check the following items before installation; if missing, contact your dealer.

|                                   |       |
|-----------------------------------|-------|
| ● 4-port PoE switch Power adapter | 1 pc  |
| ● AC power cord                   | 1 pc  |
| ● Accessory                       | 1 set |
| ● User manual                     | 1 set |

Follow the installation steps below

- 1) Turn off the signal power and display the device power before installation, powered installation will damage the transmission equipment;
- 2) Use a network cable to connect the PoE IP camera and 1 ~ 4 downlink ports of the product respectively;
- 3) Use a network cable to connect the equipment to the link port and the NVR or computer;
- 4) Turn on the equipment;
- 5) Check if the installation is correct, the equipment is in good condition, the connection is stable, then supply power to the system;
- 6) Make sure the Ethernet equipment has power and is working properly.



Specification s

| Model               | Description   |
|---------------------|---|
| Energy              | Power supply<br>Power adapter   |
|                     | Voltage range<br>DC48V ~ 54V  |
|                     | Consumption<br>< 5W   |
| Ethernet            | Speed<br>Port 1-4: Default: 10 / 100Mbps;<br>CCTV: 10 Mbps;<br>Uplink port: 100 Mbps                            |
|                     | Transmission distance<br>Port 1-4: Default: 0 ~ 100 m;<br>CCTV: 0 ~ 250m;<br>UP LINK: 100m                      |
| Switch              | Ethernet standard<br>IEEE 802.3 / 802.3u / 802.3af / at   |
|                     | Exchange capacity<br>1.0 Gbps   |
|                     | Packet forwarding rate<br>0.74 Mpps   |
|                     | Packet buffer<br>768K   |
|                     | MAC address<br>2K   |
| Status indicator    | Power light<br>1pc (red)  |
|                     | Ethernet port light<br>2 pieces (yellow and green) on RJ45, yellow indicates PoE,<br>green indicates Link / Act |
|                     | Surveillance Module Light<br>1pc (green), green indicates CCTV  |
| Protection level    | Pluse Group<br>Level 3<br>Standard: IEC61000-4-4  |
|                     | ESD<br>6KV contact discharge<br>8KV air discharge level Standard:<br>IEC61000-4-2                               |
|                     | -Anti thunder level<br>6KV<br>Standard: IEC61000-4-5  |
| Working Environment | Work temperature<br>- 10 °C ~ 55 °C   |
|                     | Storage temperature<br>- 40 °C ~ 85 °C  |
|                     | Moisture (not condensing)<br>0 ~ 95%  |
| Mechanical          | Dimension (L * W * H)<br>135mm × 85.6mm × 27mm  |
|                     | Outside Shell<br>Galvanized sheet   |
|                     | Colour<br>Gray  |
|                     | Weight<br>315 g   |

Specification change will not be noticeable



Problem solving

Follow the steps if the computer has problems.

- Make sure the equipment is installed in accordance with the manufacturer's installation guide. Confirm that the RJ45 cable order meets EIA / TIA568A or 568B standards.
- 
- Each PoE port can provide PoE equipment with a maximum power of less than 30W, do not connect PoE equipment with a power of more than 30W.
- 
- Replace the equipment with a properly working 4-port PoE switch to check if the equipment is damaged.
- 
- Contact your supplier if the problem persists.

Connector production method

Instruments to use: cable crimper, network tester. The cable sequence of the RJ45 plug must comply with EIA / TIA568A or 568B.

- 1) Remove the 2cm long insulating layer and 4 pair bare UTP cable;
- 2) Separate the 4 pairs of UTP cables and stretch them;
- 3) Align the 8 pieces of wires according to EIA / TIA 568A or 568B;
- 4) Cut the wires to leave 1.5 cm of bare wire;
- 5) Plug 8 wires into RJ45 socket, make sure each wire is on each pin;
- 6) Use the wire crimper to crimp it;
- 7) Repeat the 5 steps above to make the other end;
- 8) Use a network tester to test the cable if it works.

| Pin color |                |
|-----------|----------------|
| 1         | White green    |
| 2         | Green          |
| 3         | White / orange |
| 4         | blue           |
| 5         | White blue     |
| 6         | orange         |
| 7         | White Brown    |
| 8         | Brown          |



EIA / TIA 568A

| Pin | Colour         |
|-----|----------------|
| 1   | White / orange |
| 2   | orange         |
| 3   | White green    |
| 4   | blue           |
| 5   | White blue     |
| 6   | Green          |
| 7   | White Brown    |
| 8   | Brown          |



EIA / TIA 568B



Important

When choosing RJ45, please make sure if one end is EIA / TIA568A, the other end must also be EIA / TIA568A. When you choose RJ45, please make sure that if one end is EIA / TIA568B, the other end must also be EIA / TIA568B.