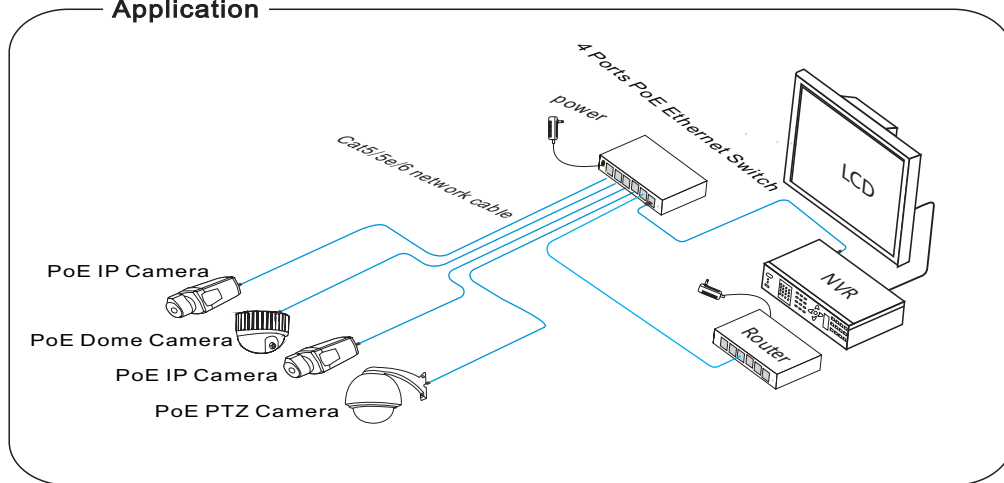


4 Ports PoE Ethernet Switch(two ports uplink)

User Manual VerB 1.0

4 ports PoE Ethernet Switch is a security surveillance Ethernet Switch which aims at Ethernet high definition surveillance and 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. ESD and surge protection circuit can improve product stability. The product supports one key CCTV mode, with VLAN function can restrain the network storm, protect the information security, prevent the viral transmission and cyber attack, fully satisfy the Ethernet video security surveillance system and Ethernet project needs.

Application



Feature

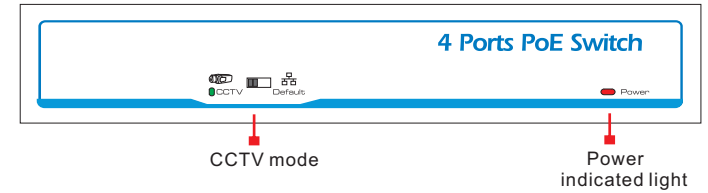
- 4×10/100Base-TX Ethernet ports (PoE ports) and 2×10/100Base-TX up-link port;
- Support IEEE802.3af/at standards ; Max.30W output of single port;
- One-key CCTV mode: 1~4 downlink ports can only communicate with uplink ports,extend transmission distance up to 250m(10Mbps);
- 6KV surge protection, 8KV ESD immunity and anti-interference;
- Easy & safe installation: wall-mounting, desktop,Kensington security slot;
- Plug-and-play.

Notice

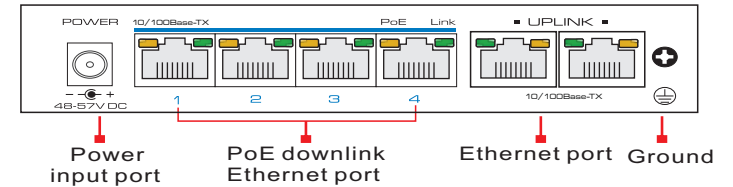
The transmission distance is related to the connected cable. We suggest standard Cat5e/6 network cable, so the transmission distance can up to furthest!

Board Diagram

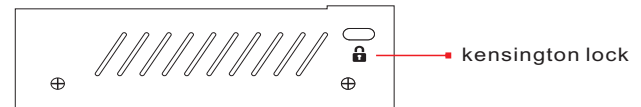
Front board



Back board



Side board



Notice

- 1) Device must be connected with lightning protection grounding; otherwise protection level will reduce; please use above No.20 wire to connect the grounding terminal.
- 2) Turn the dial switch for left, the equipment can enter CCTV mode after restart the equipment power.

Installation steps

Please check the following items before installation, if it is missing, please contact the dealer .

- | | |
|-------------------------------|------|
| ● 4 ports PoE Ethernet Switch | 1pc |
| ● Power adaptor | 1pc |
| ● AC power cable | 1pc |
| ● Accessory | 1set |
| ● User manual | 1set |

Please follow the below installation steps

- 1) Please turn off the signal power and display device power before installation, or it will damage the transmission equipment;
- 2) Use network cable connect PoE IP camera and 1 ~ 4 downlink ports of product respectively;
- 3) Use a network cable connect equipment uplink port and NVR or computer;
- 4) Connect power adapter;
- 5) Check if the installation is correct, equipment is in good condition, the connection is stable, then power on for system;
- 6) Ensure the Ethernet equipment with power on can work properly.

Specification

Item	Description
Downlink Ports	4x10/100Base-TX (PoE)
Uplink Ports	2x 10/100Base-TX
Network Standard	IEEE 802.3/802.3u/IEEE802.3x
Switch Capacity	1.2Gbps
Packet Forwarding Rate	0.89Mpps
Exchange Type	Storage&Fowarding
Buffer	768k
MAC Address List	2K
PoE Standard	802.3af/at(PSE)
PoE Mode	End-span
PoE Power Supply	1/2(+), 3/6(-)
PoE Output	Single PoE Output≤30W(54V DC), Whole machine PoE output≤60W
CCTV Mode	1. Downlink ports only communicate with uplink ports
	2. Extend transmission distance to 250m(Downlink Ports)
	3. Rate:10Mbps(Downlink Ports)
Surge Immunity	6KV : IEC61000-4-5
ESD Protection	Contact discharge 6K, Air discharge 8KV, Per: IEC61000-4-2
Voltage Input	DC 48V~57V
Power Consumption	5W
Operation Temperature	-10°C~+55°C
Storage Temperature	-40°C~+85°C
Operation Humidity	5%-95%(Non-condensing)
Dimensions(LxWxH)	135mm×5.6mm×27mm
Material	Metal
Weight	315g

Specification change will not be noticed.

Trouble Shooting

Please follow the steps if the equipment has trouble.

- Make sure the equipment is installed according to the manufactures installation guide.
- Confirm RJ45 cable order meets EIA/TIA568A or 568B standard.
- Every PoE port can provide PoE equipment maximum power less than 30W, please do not connect the PoE equipment with power over 30W.
- Replace the equipment with a proper functioning 4 ports PoE Ethernet Switch to check if the equipment is damaged.
- Please contact your vendor if trouble still exists.

Plug Producing Method

Instruments to be used: wire crimper, network tester. Wire sequence of RJ45 plug should conform with EIA/TIA568A or 568B.

- 1) Please remove 2cm long the insulating layer, and bare 4 pairs UTP cable;
- 2) Separate the 4 pairs UTP cable and straighten them;
- 3) Line up the 8 pieces of cables per EIA/TIA 568A or 568B;
- 4) Cut off the cables to leave 1.5cm bare wire;
- 5) Plug 8 cables into RJ45 plug, make sure each cable is in each pin;
- 6) Use the wire crimper to crimp it;
- 7) Repeat above 5 steps to make the another end;
- 8) Use 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	Color
1	White/Orange
2	Orange
3	White/Green
4	Blue
5	White/Blue
6	Green
7	White/Brown
8	Brown



EIA/TIA 568B

Notice

When choose RJ45 make sure if one end is EIA/TIA568A, the other end should also be EIA/TIA568A. When choose RJ45 make sure if one end is EIA/TIA568B, the other end should also be EIA/TIA568B.