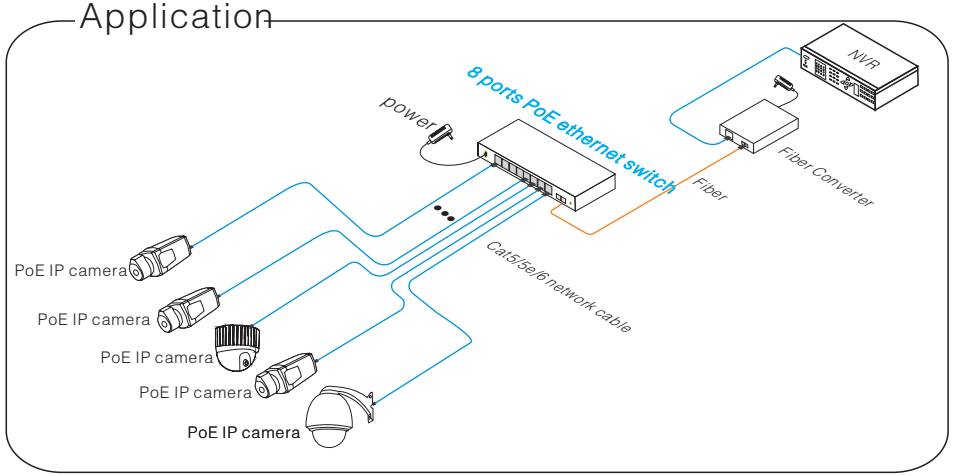
8 Ports PoE Ethernet Switch

VerB 1.1

8 ports 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 model, 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.

Application



Feature

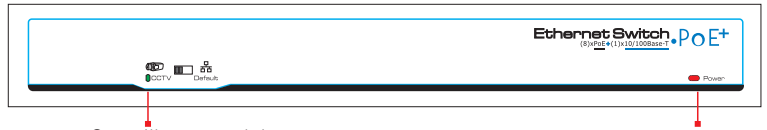
- Major ports: 1 pc 100Mbps up link fiber port, 8 pcs 100Mbps down link Ethernet port , every port supports MDI/MDIX;
- Special function: One key CCTV mode; 1 ~ 8 downlink ports can only communicate with uplink ports;
- Power input: DC48V ~ 57V;
- Transmission Distance: 0 ~ 100m; fiber port 20km;
- Standard: Meet IEEE802.3 、IEEE802.3u、IEEE802.3 af/at standards, PoE use End–Span, the spare cable can be of other use;
- Protection: Excellent anti–thunder, anti–static and anti–interference ability;
- Appearance: Delicate design and easy installation, configure the anti–theft lock hole, guard against theft;
- Operation: Plug and Play, No Setting required.

Notice

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

Board Diagram

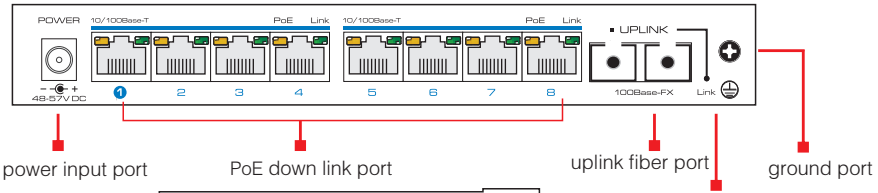
Front board



Surveillance module indicated light normally on

Power indicated light

Back board



power input port

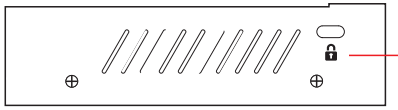
PoE down link port

uplink fiber port

ground port

fiber indicate light

Side board



Kensington lock

Description:

1) The equipment must connect the ground according to the request. anti–thunder need to connect with the ground port
2) Turn the dial switch for left, the equipment can enter surveillance module after providing equipment power.

Installation step

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

8 port PoE Ethernet Switch	1pc
Power adaptor	1pc
AC power cable	1pc
Accessory	1set
User manual	1set

Please follow below the installation steps

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 connect PoE IP camera and 1 ~ 8 down link ports of product respectively;
3)Use a network cable connect equipment up link port and NVR or computer;
4) Turn on the power of the equipment;
5) Check if the installation is correct, equipment is in good condition, the connection is stable, then provide power for system;
6) Ensure the Ethernet equipment with power and work properly.

Explain:

The uplink port connection, if uplink pors use double fiber to transfer, the fiber link need cross line.

Specification

Item		Description
Model		8 Port PoE Ethernet Switch
Power	Power Supply	Power Adaptor Input
	Voltage Range	POE(DC48–57V 120W) POE+(52–57V 240W)
	Consumption	The equipment<5w,The POE<120w, The POE+<240w
Ethernet	Speed	1–8 Ethernet Port: 10/100Mbps Up link fiber port: single model double fiber 20km
	Transmission Distance	Down Link Port:0–100m Uplink Port:0–100m
Network Switch	Ethernet Standard	Support IEEE802.3/802.3u/802.3x/802.1p/802.1q/IEEE802.3 af/at
	Backplane Bandwidth	1.8G
	Packet Forwarding Rate	1.34Mbps
	Packet Buffer	768k
	MAC	2k
Status Indicator	Power Light	1 pc(red)
	Ethernet Port Light	RJ 45 port 2 pcs, yellow indicate POE, green indicate Link/act
	Surveillance Module Light	1 pc(green)
Protection Level	Pluse Group	Level 2 Standard:IEC61000–4–4
	ESD	1a Contact Discharge Level 2 1b Air Discharge Level 2 Standard : IEC61000–4–2
	Anti–thunder Level	Level 2 Standard : IEC61000–4–5
Working Environment	Working Temperature	0℃ ~ 55℃
	Storage Temperature	–40℃~85℃
	Humidity(Non–condensing)	0 ~ 95%
Mechanical	Dimension(L*W*H) Include Port	200mm*105mm*27mm
	Out Shell	Galvanized Sheet
	Color	Black
	Weight	500g
Stablity	MTBF	⩾50000h

Specification change will not be noticed

Troubleshoot

Please follow this step if the equipment have trouble.

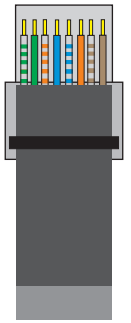
- Make sure the equipment is installed according to the manufactures installation guide.
- Confirm RJ45 cable order meet EIA/TIA568A or 568B standard.
- Every PoE port can provide PoE equipment maximum power less than 30W, please do not connect the PoE equipment with power over 30W.
- Replace the equipment that can not work with a proper functioning 8port 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.

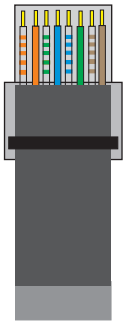
1). Please remove 2cm long the insulating layer, and bare 4 pairs UTP cable;
2). Separate the 4 pairs UTP cable and straighten them;
3). Line up the 8 pieces of cables per EIA/TIA 568A or 568B;
4). Cut off the cables to leave 1.5cm bare wire;
5). Plug 8 cables into RJ45 plug, make sure each cable is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