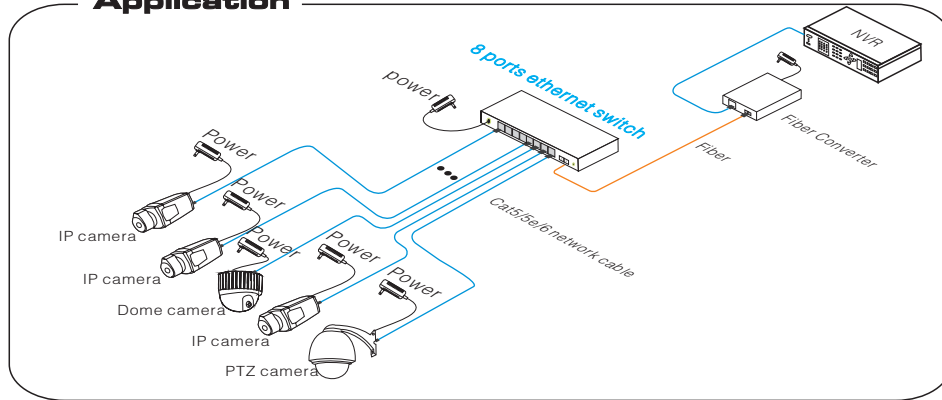


8 Ports Ethernet Switch User Manual

VerB 1.2

8 ports 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. ESD and surge protection circuit can improve product stability. The product supports one key CCTV model, can achieve VLAN, 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: 1pcs 100Mbps up link fiber port, 8pcs 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: DC12V;
- Transmission Distance: 0 ~ 100m; the further transmission distance could reach 250m in CCTV model; Fiber port 20km;
- Standard: Meet IEEE802.3、IEEE802.3u standards,
- 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.

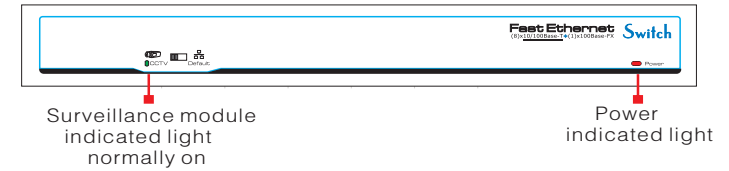
Notice

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

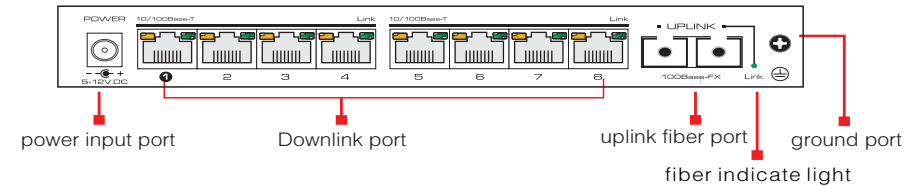
8 Ports Ethernet Switch

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 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 Ethernet Switch | 1pcs |
| ● Power adaptor | 1pcs |
| ● AC power cable | 1pcs |
| ● Accessory | 1pcs |
| ● User manual | 1pcs |

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 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) Connect power adapter;
- 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.

Specification

Item	Description	
Power	Power Supply	Power Adaptor
	Voltage Range	DC5V~12V
	Consumption	<5W
Ethernet	Speed	1~8 port:Default:10/100Mbps; CCTV:10Mbps; UPLINK:100Mbps
	Transmission Distance	1~8 port:Default:0~100m; CCTV:0~250m; UPLINK:20Km
Network Switch	Ethernet Standard	IEEE 802.3/802.3u
	Backplane Bandwidth	1.8G
	Packet Forwarding Rate	1.34Mbps
	Packet Buffer	768K
	MAC	2K
Status Indicator	Power Light	1pcs(Red)
	Ethernet Port Light	2pcs(Yellow&Green) on RJ45,yellow is off, green indicates Link/Act
	Fiber Light	1pcs(Green), green indicates Link/Act
	Surveillance Module Light	1pcs(Green), green indicates CCTV
Protection Level	Pluse Group	Level 2 Standard: IEC61000-4-4
	ESD	1a Contact Discharge Level 3 1b Air Discharge Level 3 Standard: IEC61000-4-2
	Anti-thunder Level	Level 3 Standard: IEC61000-4-5
Working Environment	Working Temperature	0°C~55°C
	Storage Temperature	-40°C~85°C
	Humidity(Non-condensing)	0~95%
Mechanical	Dimension(L*W*H)	200mm × 101.8mm × 27mm
	Out Shell	Galvanized Sheet
	Color	Black
	Weight	490g

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 meets EIA/TIA568A or 568B standard.
- Replace the equipment that can not work with a good one 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.