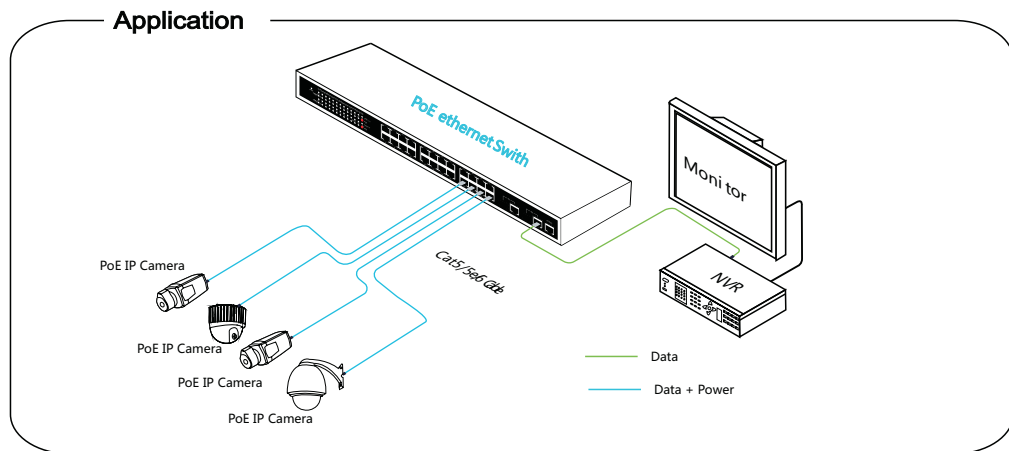


# 24 Ports Gigabit PoE Ethernet Switch User Manual

24 Ports support 24 PoE Gigabit Ethernet Switch is a security monitoring Ethernet Switches are designed to Ethernet HD monitor security systems and Ethernet projects. The product is fully integrated with the characteristics of the security monitoring, providing fast packet forwarding capability, the product is fully gigabit transfer rates provide enough bandwidth to ensure clear images, smooth transmission. Provide enough bandwidth demand for high-definition video.



## Feature

- Conforms to IEEE802.3, IEEE 802.3u, IEEE 802.3ab, IEEE802.3af, IEEE802.3at
- Provides 24 10/100/1000Base-TX ports and 2 Gigabit SFP
- Provides 24 PoE injector and 250W Built-in power supply
- High back-plane bandwidth 52Gbps
- IEEE802.3x Flow control
- EMI standards complies with FCC, CE class B

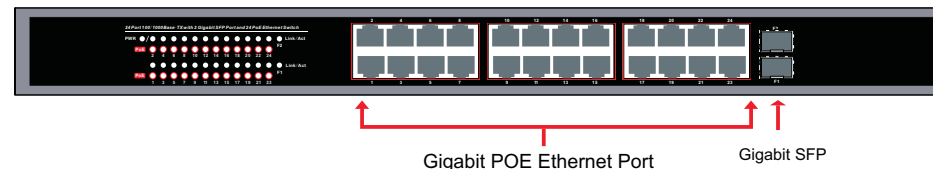
## Notice

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

## Board Diagram

24 Port 100/1000Base-TX with 2 Gigabit SFP Port and 24 PoE Ethernet Switch

### Front board



### Back board



## Installation steps

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

- |   |      |
|---|------|
| ● 24+2SFP ports Gigabit PoE Ethernet Switch | 1pcs |
| ● AC power cable                            | 1pcs |
| ● Accessory                                 | 1pcs |
| ● User manual                               | 1pcs |

### Please follow the below 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 1-24 ports of product respectively
- 3) Use a network cable connect equipment up link port and NVR or computer
- 4) Connect AC power;
- 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.

**Specifications**

Item		Description	
Power	Power Supply	Built-in power supply	
	Voltage Range	AC100~240V	
	Consumption	250W for PoE	
Ethernet	Speed	1~24 Port:10/100/1000Mbps F1~f2:1.25Gbps	
	Transmission Distance	100Meter ( 328ft )for RJ 45 2Km 20Km for SFP Port The optical module is optional	
Network Switch	Ethernet Standard	IEEE 802.3/802.3u/802.3ab/802.3af/at	
	Switching capacity	52G	
	Transfer Rate	14,880 pps for 10Mbps 148,800 pps for 100Mbps 148,8000 pps for 1000Mbps	
	MACAddress	4K MAC address table	
LINK/ACT	On	Green	The port is connecting
	Blinks	-	The port is receiving or transmitting data.
	Off	-	The port is not linked successfully with the device
POE	On	Orange	PD is connected
	Off	-	No PD is connected or power forwarding fails
	PoEpin assignmet:	V+( Rj45 Pin 1 ,2 ).V -( Rj45Pin3 ,6 )	
Working Environment	Working Temperature	0°C~40 °C	
	Storage Temperature	-40°C~70°C	
	Humidity Non condensing	0~85%	
Mechanical	Dimension L W H	440 200 44mm	
	Color	Gray	

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 manufacturer's installation guide
- Confirmed 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 24 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.

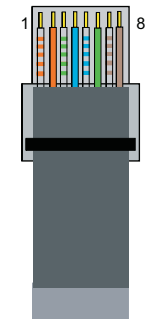
- 1 Please remove 2cm long the insulating layer and bare 8 pairs UTP cable
- 2 Separate the 8 pairs UTP cable and straighten them
- 3 Line up the 8 pieces of cables per EIA/TIA 568A or 568B
- 4 Cut off the cables to leave 1.5cm bare wire
- 5 Plug 8 cables into RJ45 plug make sure each cable is in each pin
- 6 Use the wire crimper to crimp it
- 7 Repeat above 9 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.