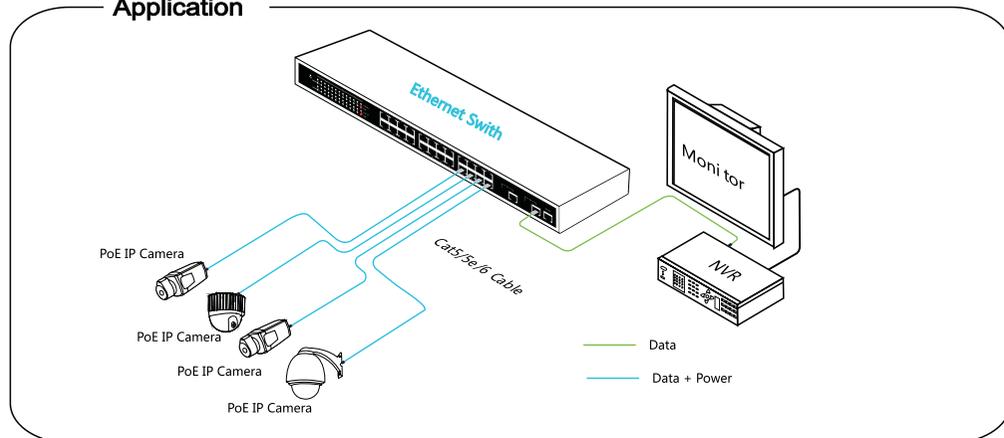


24-Ports PoE Ethernet Switch User Manual

26 Ports support 24 PoE 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.

Application



Feature

- Conforms to IEEE802.3, IEEE 802.3u, IEEE 802.3ab, IEEE802.3af, IEEE802.3at
- Provides 24 10/100Base-TX and 2 Gigabit Combo
- Provides 24 PoE injector and 370W Built-in power supply
- High back-plane bandwidth 8.8G for 24+2G
- IEEE802.3x Flow control
- EMI standards complies with FCC, CE class B, UL

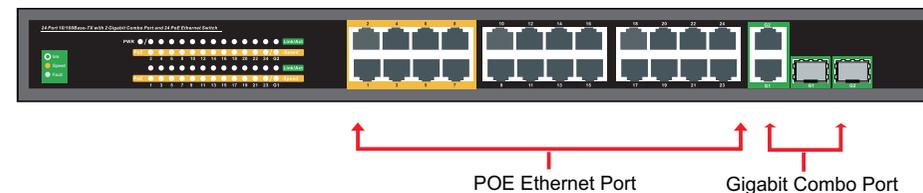
Notice

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 10/100Base-TX with 2 Gigabit Combo 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+2 Combo Gigabit ports 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.

Specification

Item		Description	
Power	Power supply	Built-in power supply	
	Voltage Range	AC110V	
	Consumption	370W for 24 PoE	
Ethernet	Speed	1~24 Port: 10/100Mbps G1~G2: Gigabit Combo	
	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	8.8G	
	Transfer Rate	14,880pps for 10Mbps	
		148,800pps for 100Mbps	
		1,488,000pps for 1000Mbps	
MAC Address	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	Green	PD is connected
	Off	-	No PD is connected or power forwarding fails
	PoE pin assignmnet	V+(RJ45 Pin 1,2), V-(RJ45 Pin 3,6)	
Environment	Working Temperature	0~40℃	
	Storage Temperature	-40~70℃	
	Humidity Non condensing	0~90%	
Mechanical	Dimension	440 x 200 x 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 manufactures installation guide
- Confi 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.

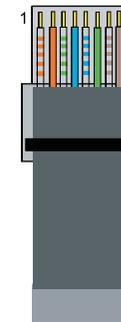
- 1 Please remove 2cm long the insulating layer and bare 8 pairs UTP cable
- 2 Separate the 8 pairs UTP cable and straighten them
- 3 Line up the 8 pieces of cables per EIA TIA 568A or 568B
- 4 Cut off the cables to leave 1.5cm bare wire
- 5 Plug 8 cables into RJ45 plug make sure each cable is in each 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,