Manual
(PoE Switch)

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The following are about the correct use of products, in order to prevent dangerproperty loss and so onPlease read this instruction carefully before using the equipment and strictly observe it when using it. After reading, please keep the instruction properly

Precautions:

Don't put and install the equipment in the place of sunlight or near the heating equipment.
Don't install the equipment in damp, dusty or sooty places.
Please keep the equipment installed horizontally, or in a stable place, pay attention to prevent the falling of this product.
Don't drop or spill liquids on equipment and ensure that liquid-filled items can't put on equipment.
Prevent liquid from flowing into equipment.
Please install it in a well ventilated place. Do not block the ventilation vent of the equipment.
Equipment can only be used within the rated input and output range.
Don't disassemble the equipment at will.
Please use and store equipment within the allowable range of humidity and temperature when the transportation.

Warning:

The product must use the wire components (power cable) recommended by the region and be used within its rated specifications.
Please use the power supply that meets the requirements of SELV (Safe Ultra-Low Voltage) and conform to IEC 60950-1.
The rated voltage of Limited Power Source (restricted power supply) is used for power supply. Specific requirements for power supply are as follows:The label of the equipment shall prevail.
If power plug or device coupler are used as disconnecting device, please keep disconnecting device operateconveniently

Special statement:

Products are subject to physical objects. Instructions are for reference only.
Instructions and procedures will be updated in real time according to the product, if any upgrades and there is no notice.
If user doesn't follow the instructions , the loss will be born by the user.
Instructions may contain technical inaccuracies or inconsistencies with product functions and. operations,or printing errors, in accordance with the company's final interpretation.

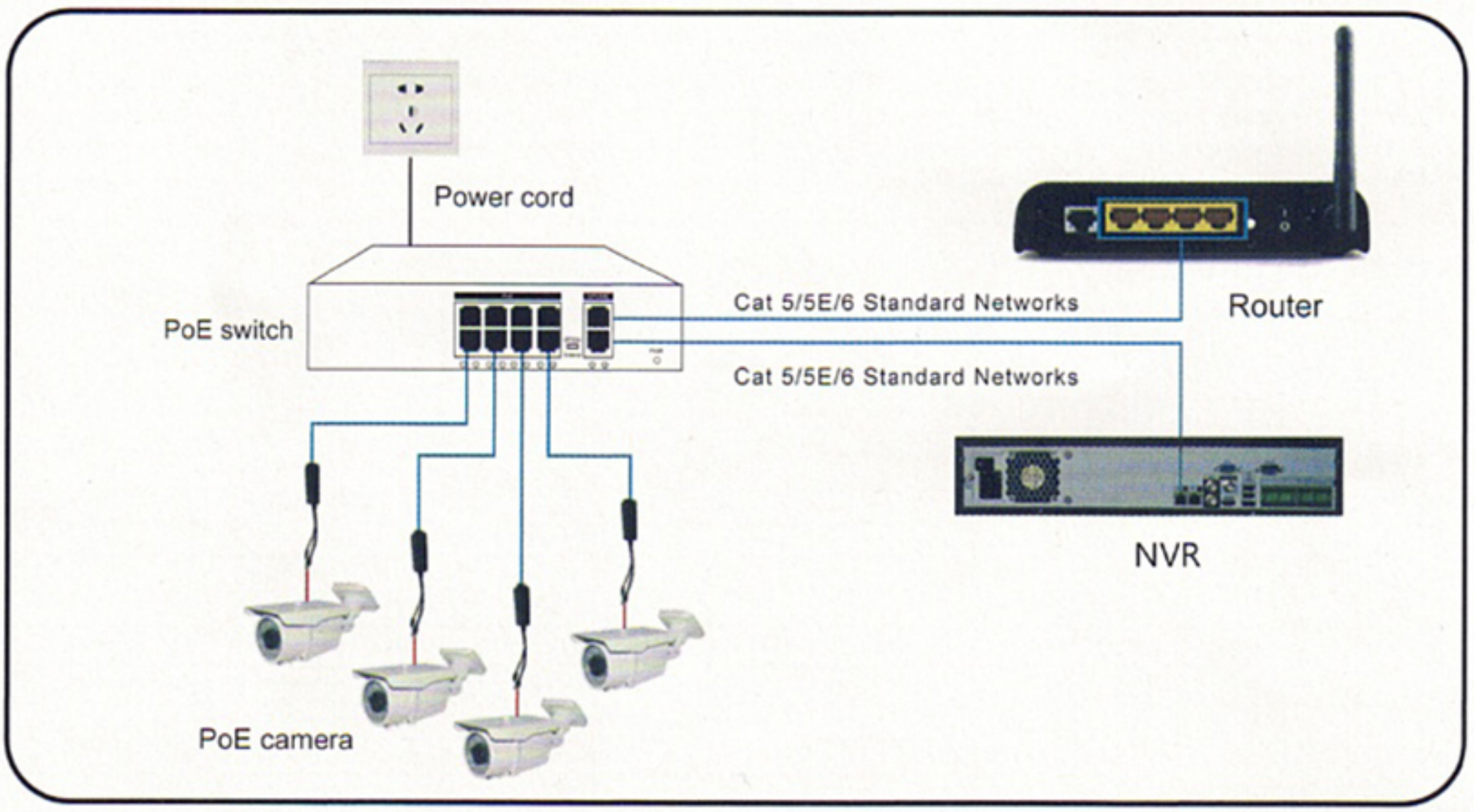
Industrial Structure and Port Description: The whole machine is made of all-metal material and has excellent heat dissipation. The switch panel is powered by PoE port, uplink network port ,SFP slot and power indicator, PoE indicator is composed of uplink network signal indicator. PoE Switch is widely used in public security, schools, residential areas, office space and various inconvenient wiring scenarios to support PoE power supply. PoE is Power Over Ethernet, referred to as Ethernet power supply.

This manual takes eight PoE switches as an example to illustrate the actual installation and application of the whole PoE series products.

Brief presentation of the overall product

402F 4*10/100M PoE port,2 10/100M Uplink port
802F 8*10/100M PoE port,2 10/100M Uplink port
802FG 8*10/100M PoE port,2 10/100/1000M Uplink port
802FGX 8*10/100M PoE port,2 10/100/1000M Uplink port,1 SFP slot
1603FGX 16*10/100M PoE port,2 10/100/1000M Uplink port,1 SFP slot
2404FGX 24*10/100M PoE port,2 10/100/1000M Uplink port,2 SFP slot
402FX 4*10/100/1000M PoE port,1*Gigabit Uplink port ,1*SFP slot
802F 8*10/100/1000M PoE port,2*Gigabit Uplink port
1603FX 16*10/100/1000M PoE port,2*Gigabit Uplink port,1*SFP slot
2404FX 24*10/100/1000M PoE port,2*Gigabit Uplink port,1*SFP slot
502F-A 5*10/100M PoE port,2*10/100M Uplink port

Typical application:



Product characteristics:

Support 2 *100 Mbps power supply and 8 *100 Mbps PoE power supply.
The switching capacity is 1.8 Gbps.
Support IEEE802.3af, IEEE802.3at standard PoE total power 150W.
MAC automatic learning and aging, the capacity of MAC address list is 8K.
Port automatically adapts to MDI/MDIX mode.
Support long distance up to 250 meters fo data transmission and power supply.
Support AC 110V, AC 220V power supply.
Support lightning protection up to 6000V

Technical specifications

Specification parameters:

Power	Power Adapter Voltage		AC 110V-240V
	Consumption		150W(52V, 2.88A)
Network Connector	Network Port	PoE Ethernet Port	1~8 Port : 10/100Mbps
		Ethernet port	Uplink Port : 10/100Mbps
	Transmission Distance		1~8 Port : 100Mbps:0~100m;10Mbps: 0~250m;
			Uplink Port : 0 ~ 100m
	Transmission Medium		Cat5/5e/6 standard network cable
Network Switch	Network Standard		IEEE802.3/802.3u, IEEE802.3x,IEEE802.ab
	Switching Capacity		2.0Gbps
	Packet Buffer Memory		1Mbits
	MAC Table		1K
	Packet Forwarding rate		10Mbps: 14880pps/port 100Mbps: 148800pps/port
Ethernet Power Supply	PoE Standard		IEEE 802.3af/at
	PoE Power Supply		End-Span(1/2+;3/6-)
	PoE Power		af=15.4W,at=30W, single port output power 30W
RJ45 port	Port Function		Power priority mechanism, fast and forward MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode
LED indicator light	LED Indicator		LINK/ACT.100Mbps;PoE Status Indicator Power indicator;Extender
Operating environment	Working temperature		0°C~55°C
	Relative Humidity		20~95%
	Storage temperature		-20°C~70°C
Mechanical properties	Dimension (L×W×H)		202mm*140mm*45mm
	Color		Black
	Weight		1.05kg

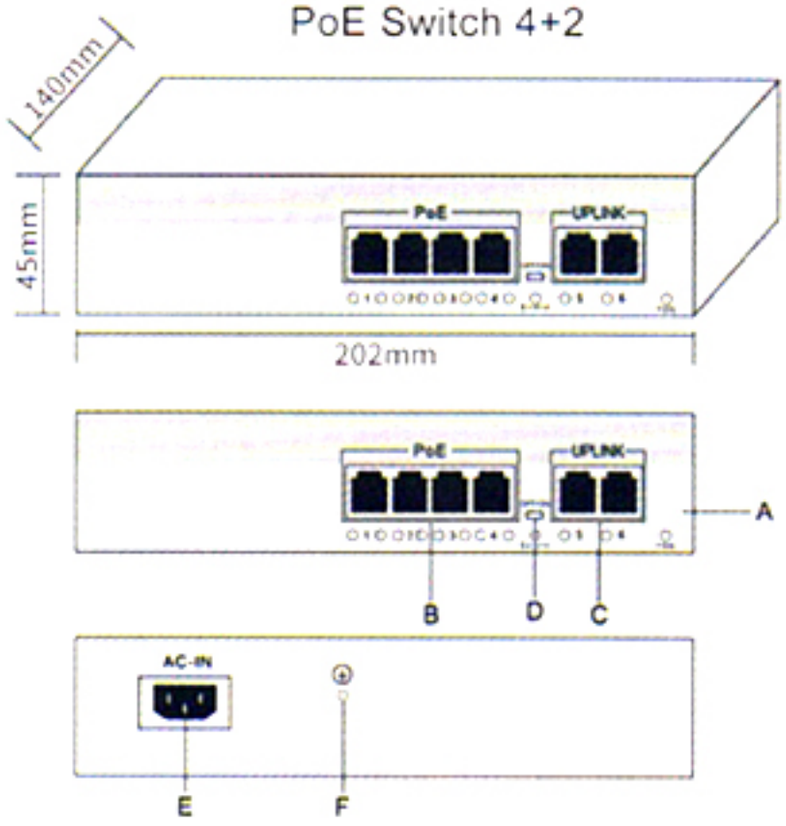
Working status indicator:

Note: 802FGH PWR and PoE share a lamp hole position

Indicator light	Colour	describe
PWR	Red	Extinguish:Switch not energized
		Chang Liang:Switch already Electrify
Data.LNK/ACT	Green light	Extinguish:No connection to network devices
		Chang Liang:Connect to network devices
		Twinkle:Data in transit
PoE	Red	Extinguish:PoE Port not powered
		Chang Liang:PoE Port is powering
Dial light	Green/OFF	Extinguish:Transmission rate 100M, maximum transmission 0-100M
	Green/ON	Chang Liang:Transmission rate 10M, maximum transmission 0-250M
Uplink	Green	Extinguish:Not connected to network devices
		Chang Liang:Connect to network devices
		Twinkle:Data in transit

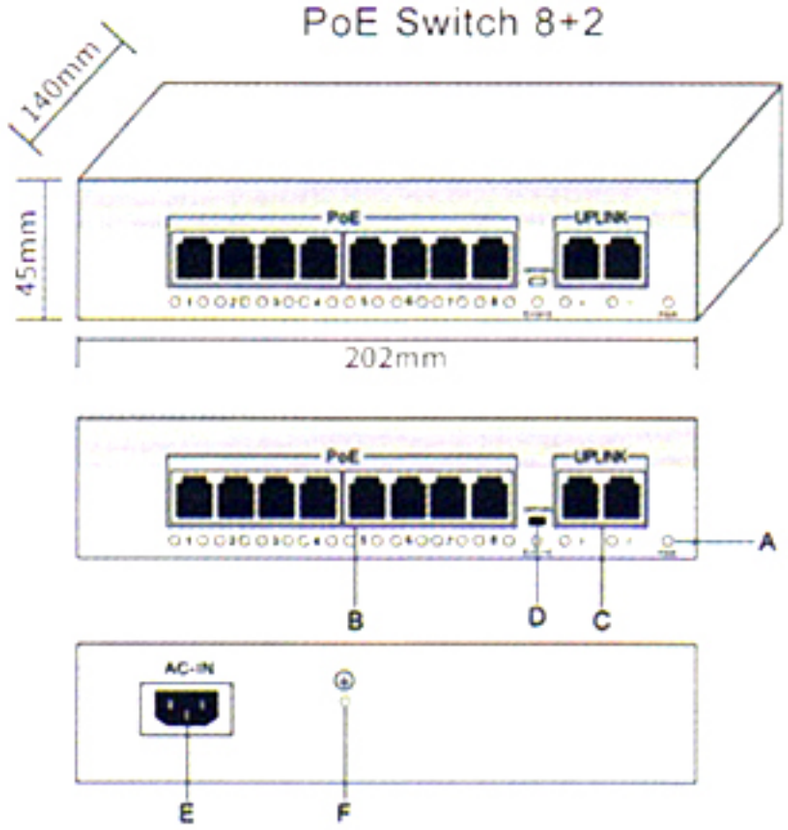
Equipment panel schematic

PoE Switch 4+2



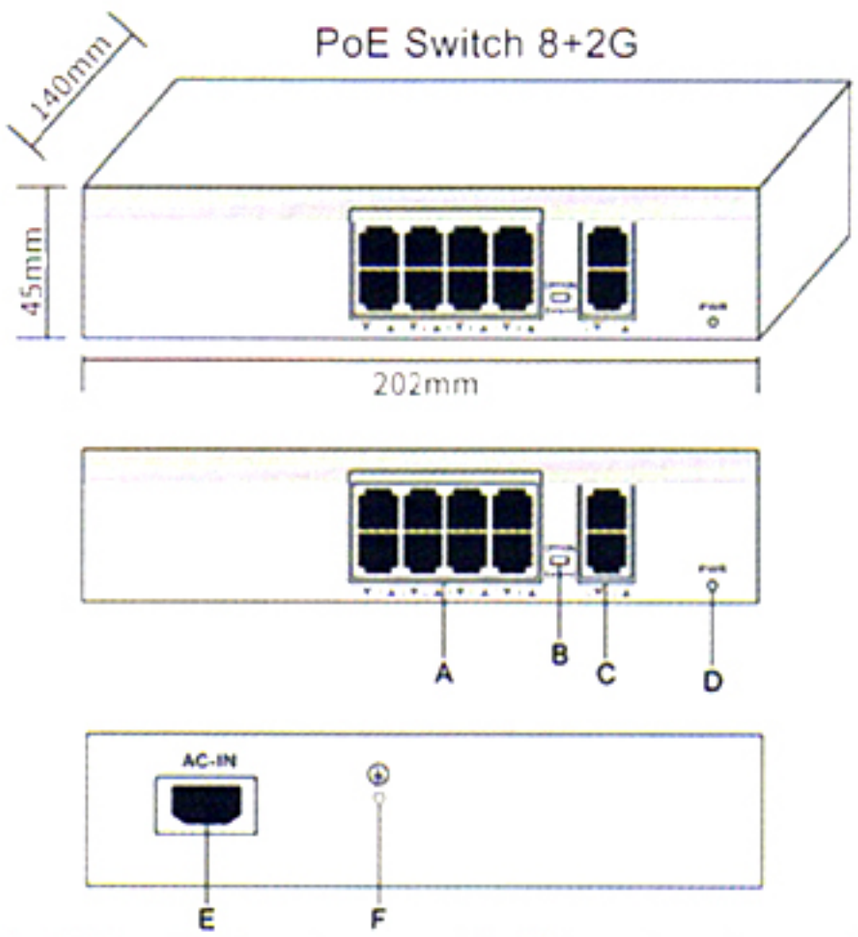
A: Power Indicator
B: PoE Network Port
C: Upper Connection Port
D: Dial-Up
E: Power Interface
F: Ground Interface

PoE Switch 8+2



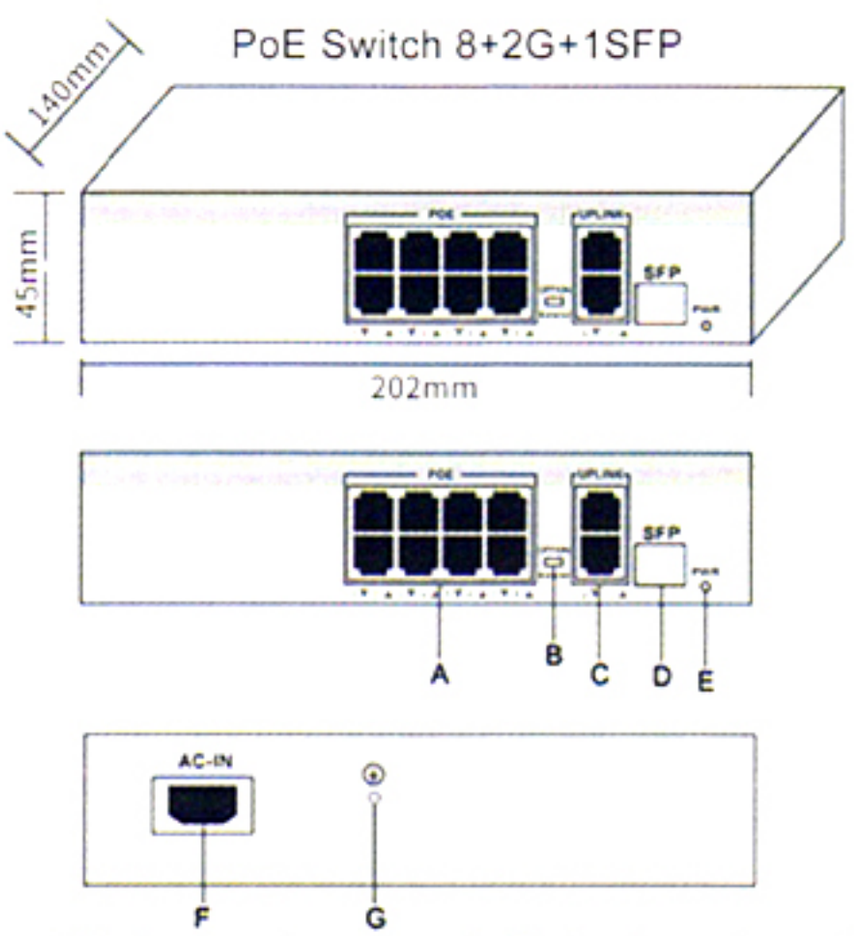
A: Power Indicator
B: PoE Network Port
C: Upper Connection Porta
D: Dial-Up
E: Power Interface
F: Ground Interface

PoE Switch 8+2G



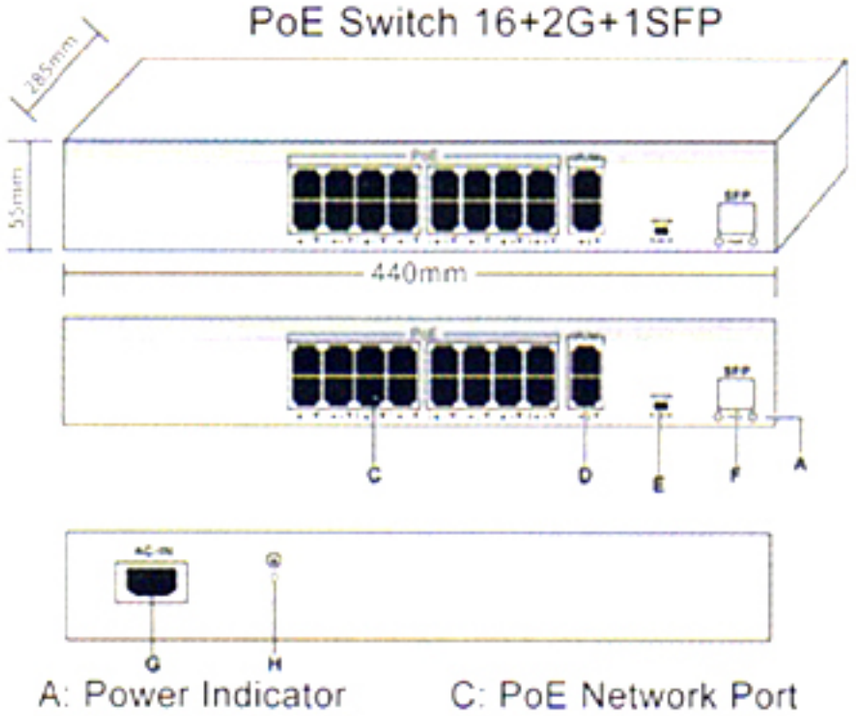
A: PoE network port
B: Dial code and open light
C:Upper interface
D: Power indicator
E: Power Interface
F: Ground interface

PoE Switch 8+2G+1SFP



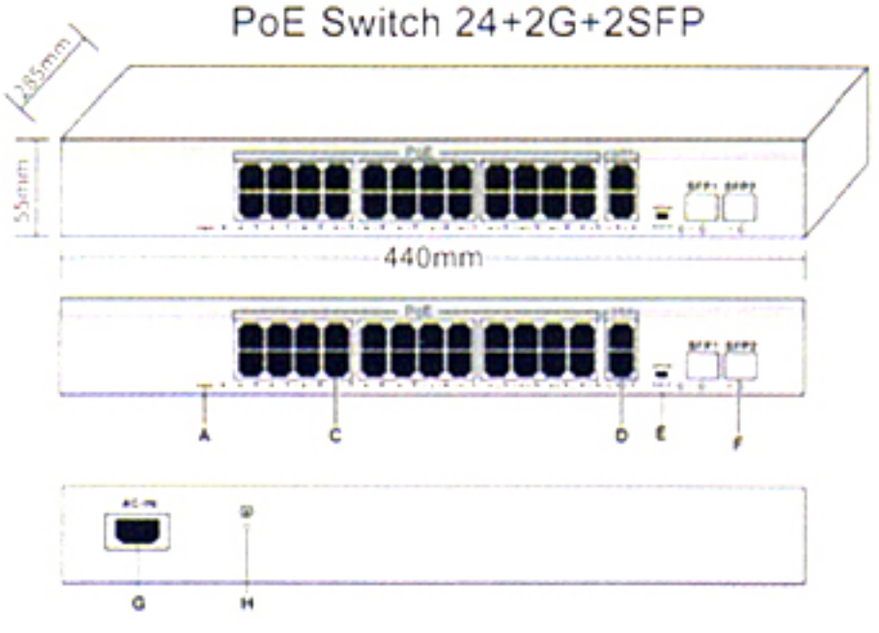
A: PoE network port
B: Dial code and open light
C: Upper interface
D: SFP module port
E: Power indicator
F: Power Interface
G: Ground interface

PoE Switch 16+2G+1SFP



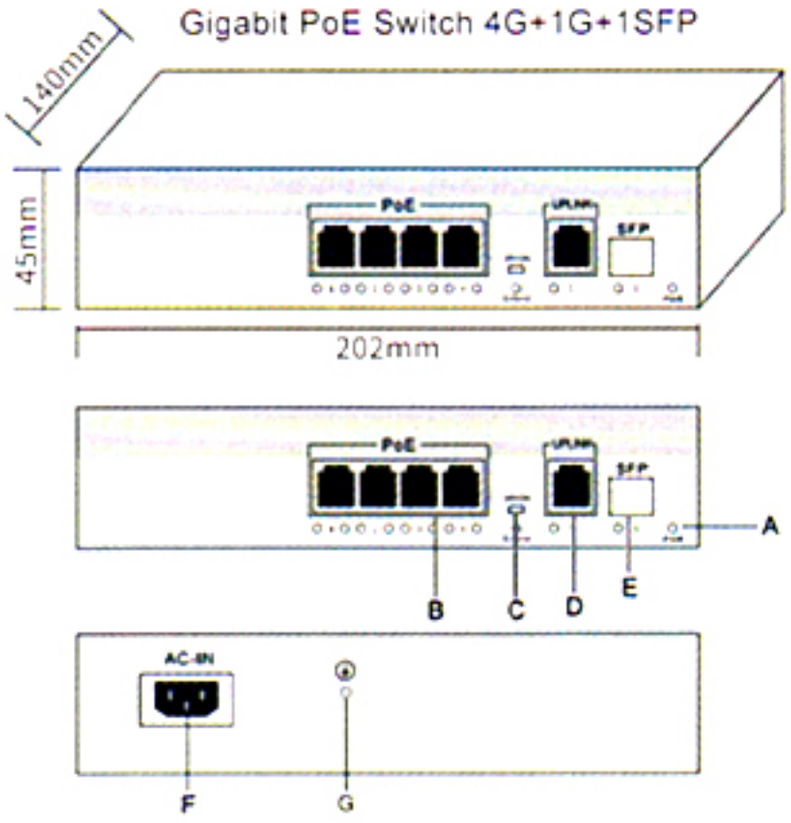
A: Power Indicator
C: PoE Network Port
D: Upper Connection
E: Dial-up Optical
F: SFP Module Port
G: Power Interface
H: Ground Interface

PoE Switch 24+2G+2SFP



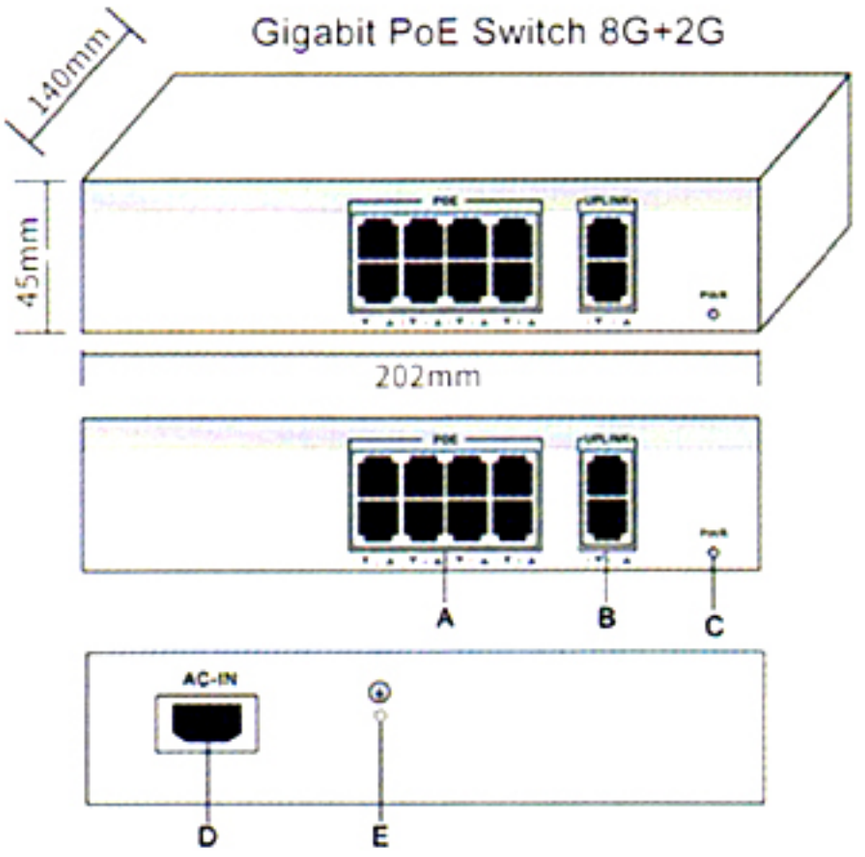
A: Power Indicator
C: PoE Network Port
D: Upper Connection
E: Dial-up Optical
F: SFP Module Port
G: Power Interface
H: Ground Interface

Gigabit PoE Switch 4G+1G+1SFP



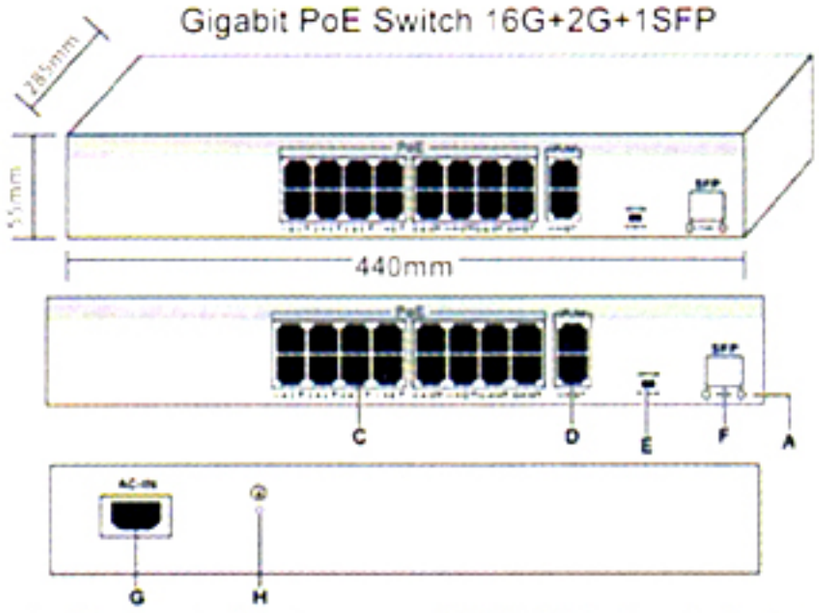
A: Power Indicator
B: PoE Network Port
C: Dial-Up
D: Upper Connection Port
E: SFP module port
F: Power Interface
G: Ground Interface

Gigabit PoE Switch 8G+2G



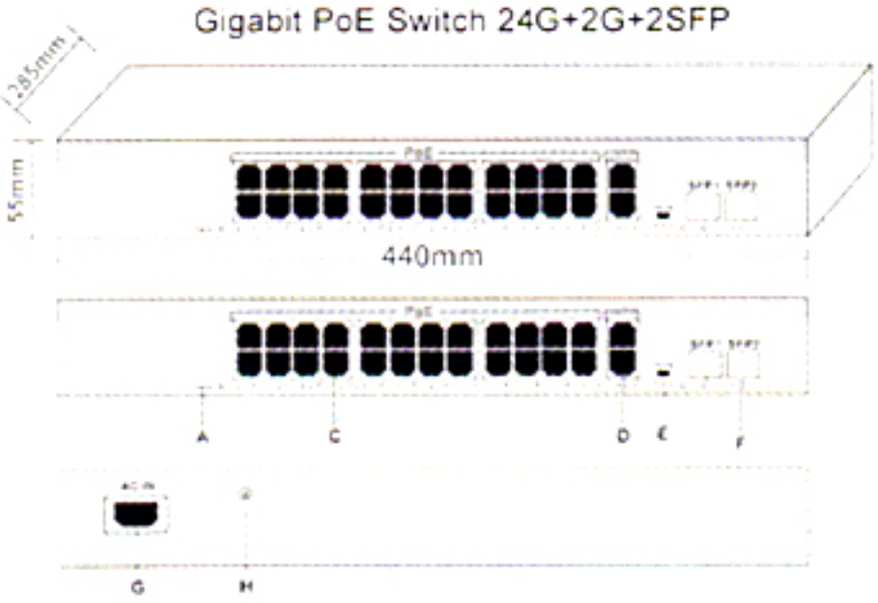
A: PoE network port
B: Upper Connection Port
C: Power Indicator
D: Power Interface
E: Ground Interface

Gigabit PoE Switch 16G+2G+1SFP



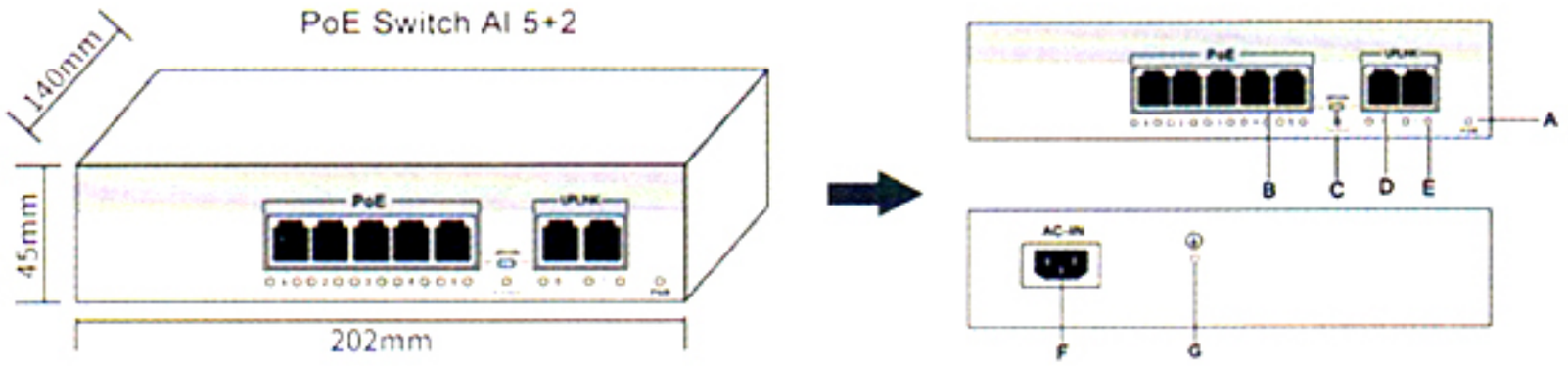
A: Power Indicator
C: PoE Network Port
D: Upper Connection
E: Dial-up Optical
F: SFP Module Port
G: Power Interface
H: Ground Interface

Gigabit PoE Switch 24G+2G+2SFP



A: Power Indicator
C: PoE Network Port
D: Upper Connection
E: Dial-up Optical
F: SFP Module Port
G: Power Interface
H: Ground Interface

PoE Switch AI 5+2



A: Power Indicator
B: PoE Network Port
C: Dial-Up
D: Upper Connection Port
E: Power warning light
F: Power Interface
G: Ground Interface

Please follow the following steps to install:

(1) Please disconnect the power supply of the signal source and equipment before installation.
live installation may cause damage to transmission equipment.
(2) Detecting whether the network cables and other transmission lines to be used are occupied by other equipment.
(3) Connect 802HF RJ45 interface and PoE network camera with network cable.
(4) Connect the Uplink port to the NVR port with the network cable.
(5) Check whether the installation is correct and the equipment is damaged to ensure that all
connections are reliable, connect the power cord and power the system.
(6) Verify that the network and PoE power supply are normal.

Extend 250 meters
Please see the following steps:
(1) (2) (3) (4)please follow the above installation steps
(5)Dial the "Extend" key to the "on" position
(6) Check whether the installation is correct or not and the equipment is not damaged, ensure that all connections are reliable, connect the power cord and power the system.
(7) Verify that the network and PoE power supply are normal

Installation steps

please be careful the outer packing box of the switch before installation
check the packing box with following accessories:

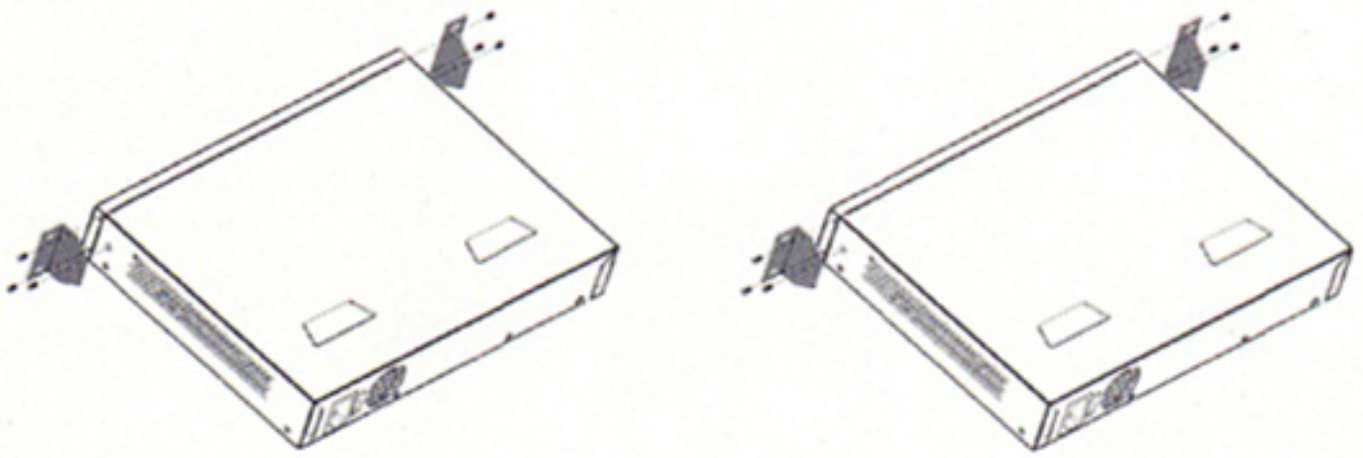
PoE Switch	1PC
Power cord	1PC
Product Description	1PC
Hanger	2PCS
Hanger Screw	8PCS
Foot pad	4PCS

(Below 8 ports without hanger, please use footpads)

Installation hanger

4-port, 8-port PoE switches support flat installation
16-port switches support cabinet installation and flat installation
24-port switch supports cabinet installation. When installing the cabinet, please refer to the following schematic diagram to install the hanging ears

Hanger install Sketch Map



Thank you for purchasing this product
The warranty period is two years