NS-0106P-45(B)
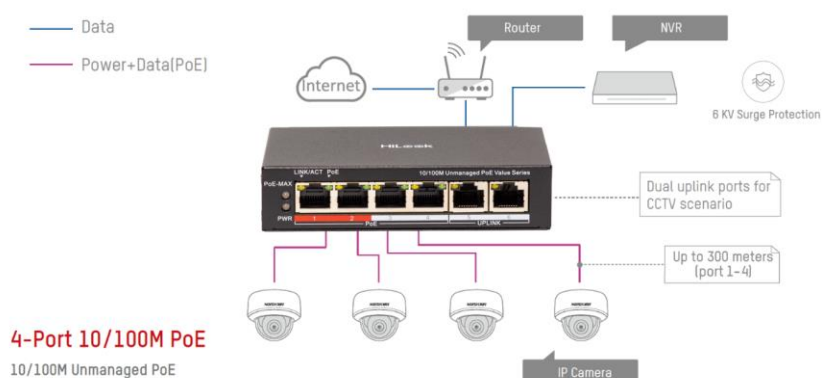# 4 Port Fast Ethernet Unmanaged PoE Switch

The device is a layer-2 10/100 Mbps PoE switch, providing PoE power supply technology and fast network design on the basis of network access to ensure stable data upload. The switch supports long-range function.

- Intelligent PoE Management

- Up to 300 m Long Range PoE Transmission

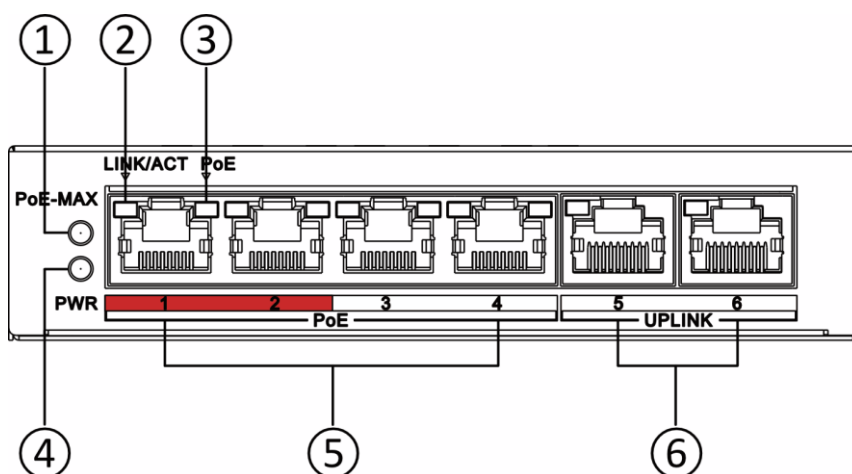- 6 kV Surge Protection to Improve Reliability in Harsh Environment

▪ Specification

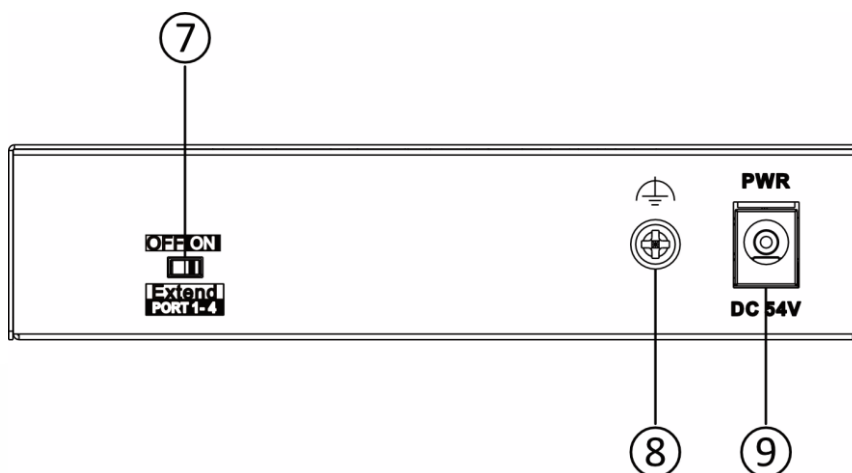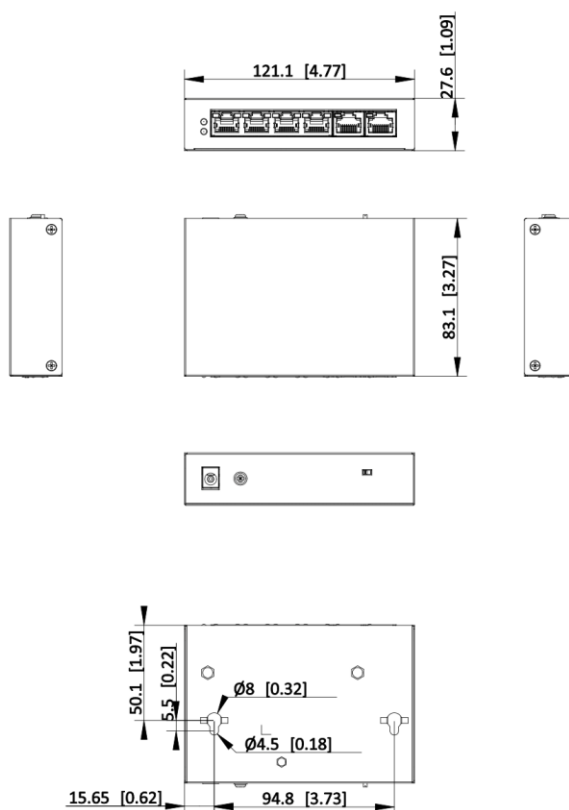| General	
Shell	Metal material, fan-free design
Net Weight	0.2 kg (0.44 lb)
Gross Weight	0.5 kg (1.1 lb)
Dimensions (W × H × D)	121.10 mm × 27.60 mm × 83.10 mm (4.77'' × 1.08'' × 3.27'')
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Operating Humidity	5% to 95% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	54 V DC, 0.92 A
Max. Power Consumption	50 W
Power Consumption in Idle	3 W
Surge Protection	6 kV
Installation Mode	Desk-Mounted
Network Parameters	
Ports	4 × 10/100 Mbps PoE port,2 × 10/100 Mbps RJ45 port
MAC Address Table	2 K
Switching Capacity	1.2 Gbps
Packet Forwarding Rate	0.89 Mpps
Internal Cache	768 Mbits
PoE Power Supply	
PoE Standard	IEEE 802.3af,IEEE 802.3at
PoE Power Pin	End-span: 1/2(-), 3/6(+)
PoE Port	PoE: Ports 1 to 4
Max. Port Power	30 W
PoE Power Budget	45 W
Dialing Function	
Long Range	Ports 1 to 4: up to 300 m. Long range performance may vary depend on camera model or cable condition.
Approval	
EMC	FCC (ANSI C63.4, 47 CFR PART 15B); CE-EMC/RCM (EN 55032: 2015+A11:2020, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4:2011+A1:2014, EN 55035:2017+A11:2020); IC (ICES-003: Issue 19)
Safety	UL (UL 62368-1); CB (IEC 62368-1:2014); CE-LVD (EN 62368-1:2014+A11:2029)
Chemistry	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2018)

▪ Typical Application

── Data
── Power+Data(PoE)

Router
NVR
Internet
6 KV Surge Protection
Dual uplink ports for CCTV scenario
Up to 300 meters (port 1-4)

4-Port 10/100M PoE
10/100M Unmanaged PoE

IP Camera

▪ Physical Interface

Front Panel

LINK/ACT PoE
PoE-MAX
PWR
① ② ③
1 2 3 4 5 6
PoE UPLINK
④ ⑤ ⑥

Rear Panel

⑦
OFF ON
Extend PORT 1-4
PWR
DC 54V
⑧ ⑨

No.	Indicator/Port	Description
①	PoE-MAX Indicator	● Solid on: The output power of the switch is about to reach or has reached the upper limit. The power supply may be abnormal if more devices are connected. ● Unlit: The switch supplies power to a powered device (PD) normally and its output power does not reach the upper limit. Note: The PoE-MAX indicator will be unlit in 5 seconds after the output power of the switch returns to normal.

②	LINK/ACT Indicator	● Solid on: The port is connected. ● Flashing: The port is transmitting data. ● Unlit: The port is disconnected or connection is abnormal.
③	PoE Indicator	● Solid on: The switch provides power supply to a PD normally. ● Unlit: The switch is disconnected to a PD, or provides power supply to a PD abnormally.
④	PWR Indicator	● Solid on: The switch is powered on normally. ● Unlit: No power supply is connected or power supply is abnormal.
⑤	100 Mbps PoE RJ45 Port	Used for connection to a PD via a network cable.
⑥	100 Mbps RJ45 Port	Used for connection to another device via a network cable.
⑦	DIP Switch	Extend mode is supported: Ports 1 to 4 of NS-0106P-45(B) supports network transmission of up to 300 meters.
⑧	Grounding Terminal	Used for connection to a grounding cable to protect the switch from lightning.
⑨	Power Supply	Use the attached power cord and power adapter to connect the switch to a power socket.

▪Dimension

Unit: mm [inch]

SCALE	1:1

See Far, Go Further

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