DS-3T0506HP-E/HS
4-Port Gigabit Unmanaged Hi-PoE Switch

DS-3T0506HP-E/HS switches are layer 2 Hi-PoE switches, providing PoE power supply technology and wider temperature (-30 °C to 65 °C) design on the basis of network access to ensure stable data upload. The switches support Hi-PoE, long range, port isolation, and PoE watchdog functions.

- 3 × gigabit PoE port, 1 × gigabit Hi-PoE port, 2 × gigabit SFP fiber optical port.
- IEEE 802.3at/af/bt standard for Hi-PoE port (Max. 60 W PoE output).
- IEEE 802.3at/af standard for PoE ports (Max. 30 W PoE output).
- IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z and IEEE 802.3ab standard.
- 6 kV surge protection for PoE ports.
- Up to 300 m long-range transmission.
- PoE watchdog to auto detect and restart the cameras that do not respond.
- Port isolation to improve network security.
- Wire-speed forwarding.
- Wider temperature (-30 °C to 65 °C) design.
- Store-and-forward switching.
- Solid high-strength metal shell.
- Reliable fan-free design.

▪ Specification

General	
Shell	Metal material, fan-free design
Net Weight	0.38 kg (0.84 lb)
Gross Weight	0.94 kg (2.07 lb)
Dimensions (W × H × D)	158.0 mm × 101.2 mm × 31.6 mm (6.22'' × 3.98'' × 1.24'')
Operating Temperature	-30 °C to 65 °C (-22 °F to 149°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	48 V DC, 1.35 A
Max. Power Consumption	65 W
Power Consumption in Idle	5 W
Installation Mode	Desk-Mounted,Rail
Surge Protection	6 kV
Network Parameters	
Ports	4 × Gigabit PoE port,2 × Gigabit fiber optical port
MAC Address Table	2 K
Switching Capacity	12 Gbps
Packet Forwarding Rate	8.928 Mpps
Internal Cache	1 Mbits
PoE Power Supply	
PoE Standard	IEEE 802.3af,IEEE 802.3at,IEEE 802.3bt
PoE Power Pin	8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE Port	Hi-PoE: Port 1 PoE: Ports 2 to 4
Max. Port Power	Port 1: 60 W Ports 2 to 4: 30 W
PoE Power Budget	65 W
Dialing Function	
Long Range	Ports 3 to 4: up to 300 m Long range performance may vary depend on camera model or cable condition.
Port Isolation	Ports 1 to 4: port isolation mode to improve network security.
PoE Watchdog	Ports 1 to 4: auto detect and restart the cameras that do not respond.
Approval	
EMC	FCC (47 CFR Part 15, Subpart B),CE-EMC (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 7:2020),RCM (AS/NZS CISPR 32: 2015)
Safety	UL (UL 60950-1),CB (AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition), CE-LVD (EN 62368-1: 2014+A11: 2017)
Chemistry	CE-RoHS (2011/65/EU)

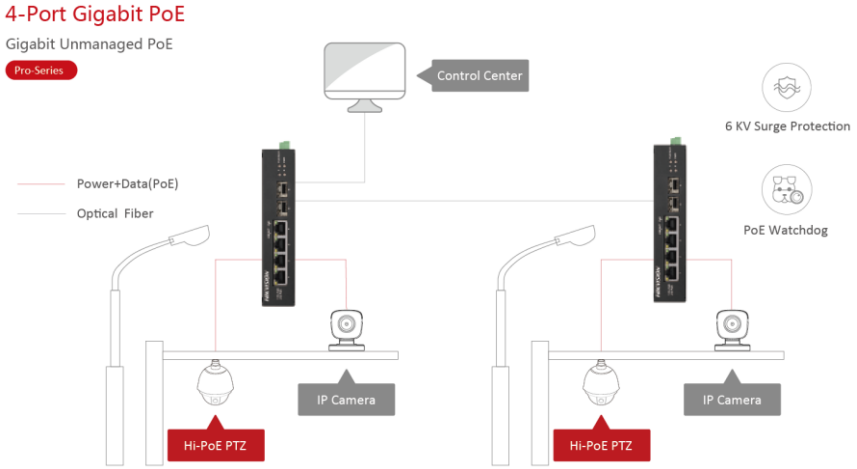
▪ Available Model

DS-3T0506HP-E/HS

▪ Key Component

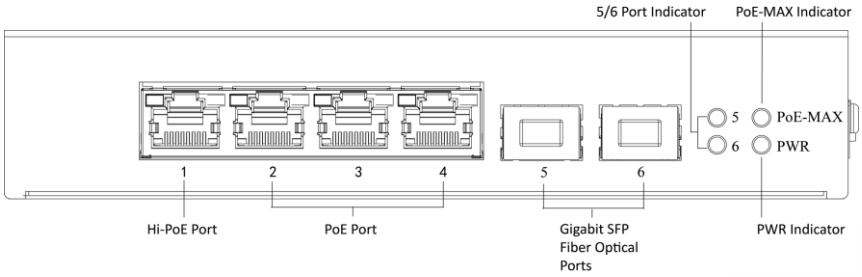
Order Sap	Order Model	Order Model	Parameter
303703681	NDR-240-48	Industrial Power Supply	AC/DC Power Supply, Output 48V-55V, 0-5A,240watts, Input 90-264VAC, 127-370VDC, DIN rail, -20~70°C
303703680	NDR-75-48	Industrial Power Supply	AC/DC Power Supply, Output 48V-55V, 0-1.6A, 75watts, Input 90-264VAC, 127-370VDC, DIN rail, -20~70°C

▪ Typical Application



▪ Physical Interface

▪ Front Panel



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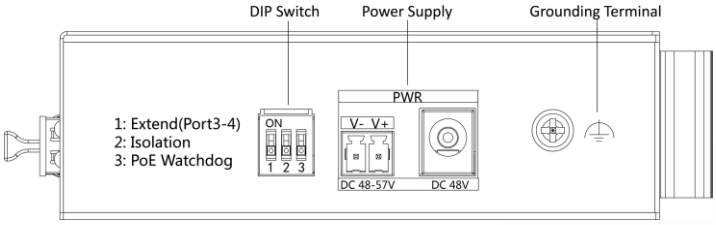
▪ Side Panel



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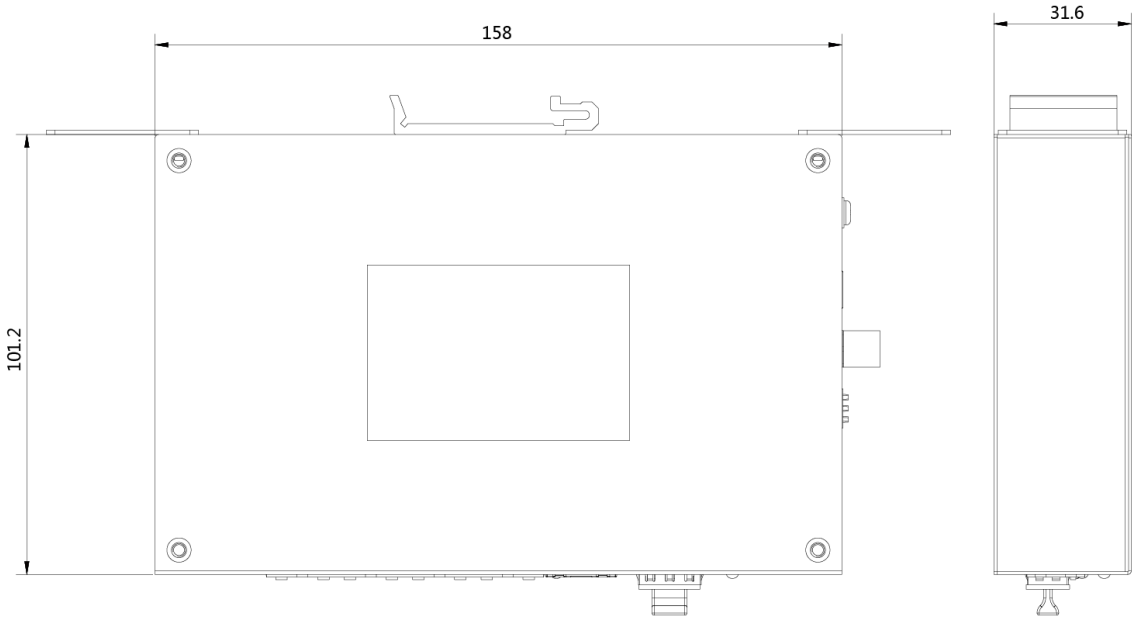
▪ Dimension (Unit: mm)



▪ Accessory

▪ Optional

HK-SFP-1.25G-20-1550	HK-SFP-1.25G-20-1310	HK-SFP-1.25G-1310-DF-MM	HK-SFP-1.25G-20-1310-DF	DRL-48V75W1AZ

DRL-48V240W1EN	NDR-75-48	NDR-240-48

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