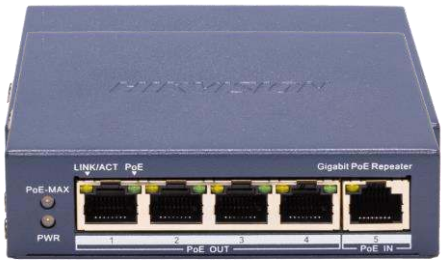
DS-3E0505P-E/R
Gigabit PoE Repeater



DS-3E0505P-E/R is a layer 2 PoE network switch developed by Hikvision, providing PoE power supply technology on the basis of gigabit network access to ensure stable data upload.

- 5 × 10/100/1000 Mbps PoE RJ45 port
- Port 5 (PoE IN): IEEE 802.3af/at/bt compliant
- Ports 1 to 4 (PoE OUT): IEEE 802.3af/at compliant, 60 W total PoE power budget
- 6 kV surge protection for PoE ports
- PoE power management
- Gigabit network access
- Wire-speed forwarding with non-blocking architecture
- Store-and-forward switching
- Rugged high-strength metal housing
- Fanless design with high reliability

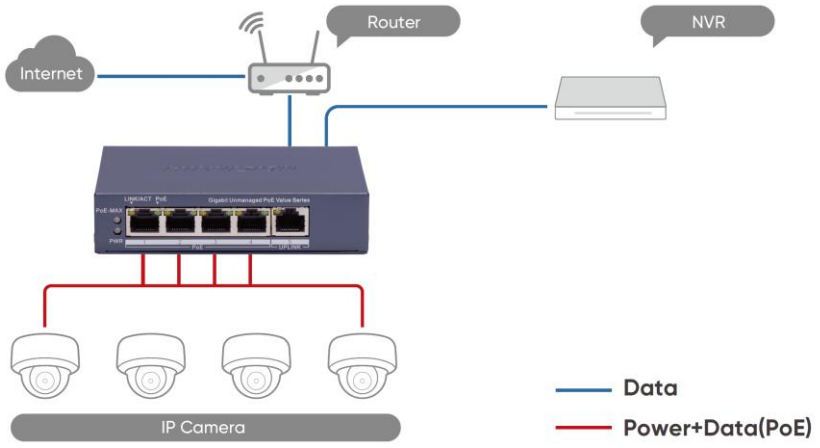
▪ Specification

General	
Shell	Metal material
Net Weight	0.25 kg (0.55 lb)
Gross Weight	0.50 kg (1.10 lb)
Dimensions (W × H × D)	105.00 mm × 27.6 mm × 83.1 mm (4.13'' × 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	IEEE 802.3af,IEEE 802.3at,IEEE 802.3bt Hi-PoE Power Supply
Installation Mode	Desk-Mounted,Wall-Mounted
Surge Protection	6 kV
Network Parameters	
Ports	4 × Gigabit PoE port (Output),1 × Gigabit PoE port (Input)
MAC Address Table	2 K
Switching Capacity	10 Gbps
Packet Forwarding Rate	7.44 Mpps
Internal Cache	1 Mbits
PoE Power Supply	
PoE Standard	IEEE 802.3af;IEEE 802.3at
PoE Power Pin	8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE Port	PoE Output: Ports 1 to 4 PoE Input: Port 5
Max. Port Power	30 W
PoE Power Budget	60 W
Approval	
EMC	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)
Safety	CB (AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition), CE-LVD (EN 62368-1: 2014+A11: 2017)
Chemistry	CE-RoHS (201165EU); WEEE (201219EU); Reach (Regulation (EC) No.19072006)

▪ Available Model

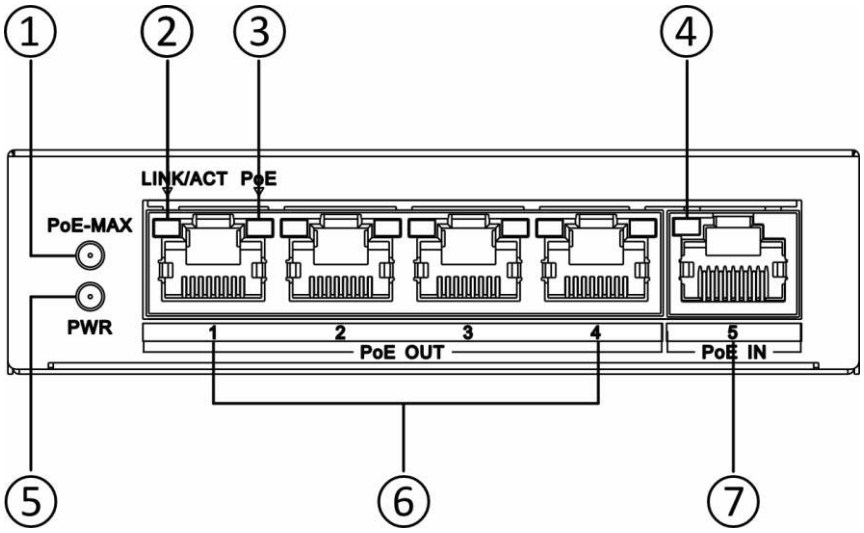
DS-3E0505P-E/R

▪ Typical Application

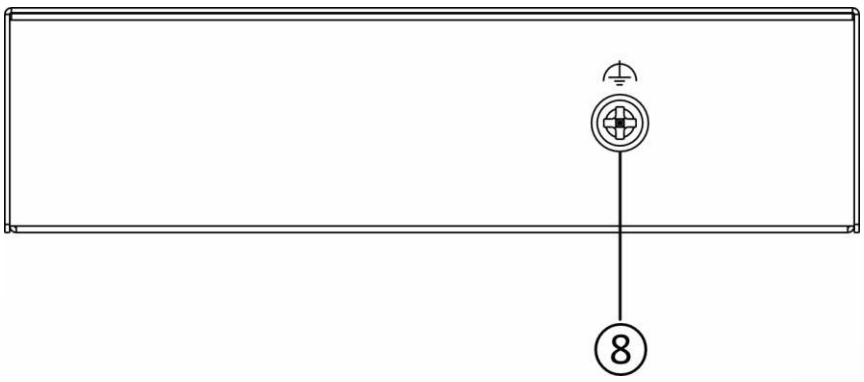


▪ Physical Interface

Front Panel



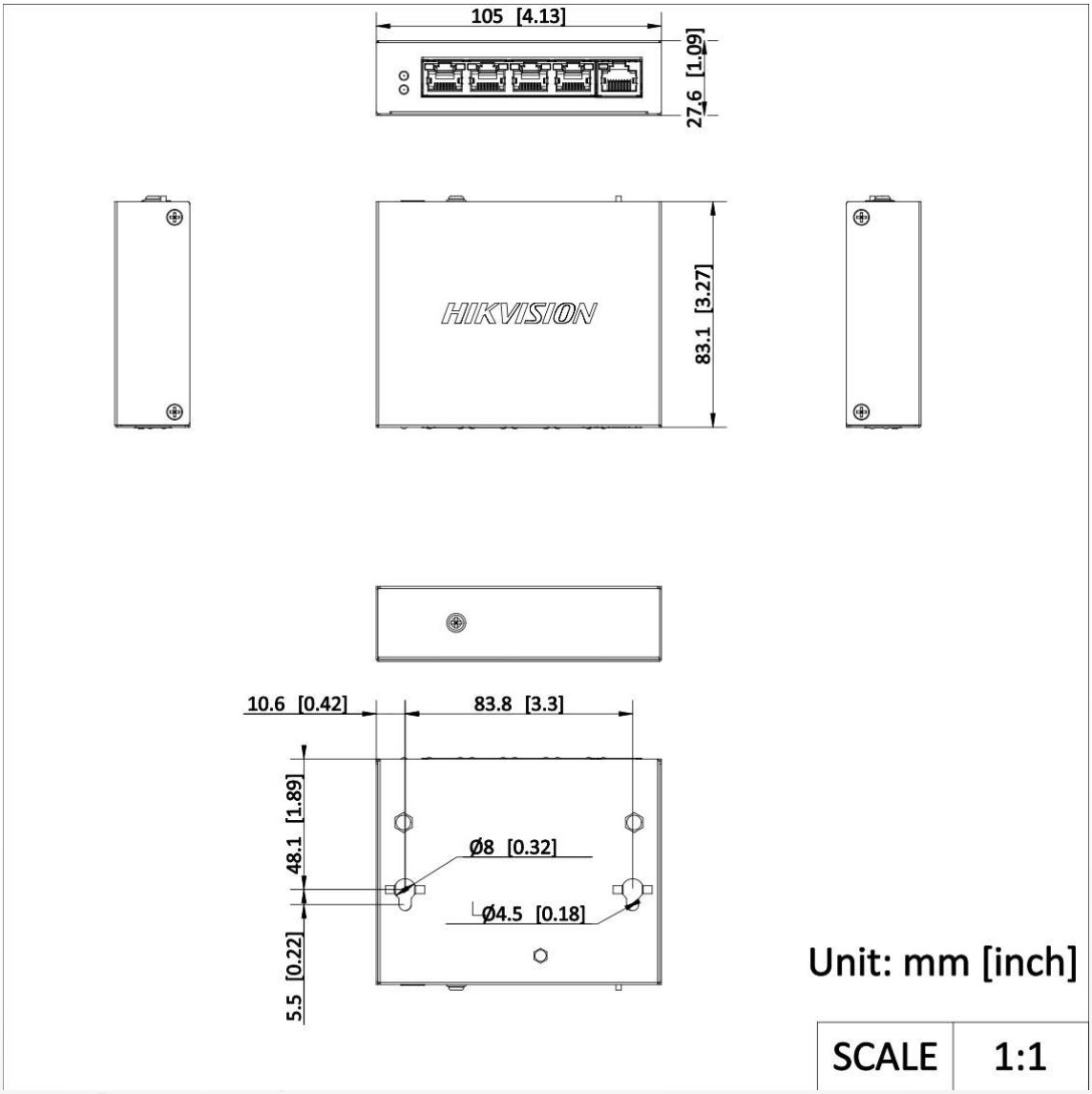
Rear Panel



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 supplies power to a PD normally. ● Unlit: The switch is disconnected from a PD or power supply is abnormal.
④	LINK/ACT Indicator	● Solid on: The port is connected. ● Flashing: The port is transmitting data. ● Unlit: The port is disconnected or connection is abnormal.
⑤	PWR Indicator	● Solid on: The switch is powered on normally. ● Unlit: No power supply is connected or power supply is abnormal.
⑥	PoE OUT Port	Gigabit PoE OUT port, used for connection to an IPC, switch, or PoE repeater, extending the network transmission distance.
⑦	PoE IN Port	Gigabit PoE IN port, used for connection to a power sourcing equipment (PSE) (such as a PoE switch) that meets the PoE repeater's power supply standards.
⑧	Grounding Terminal	Used for connection to a grounding cable to protect the switch from lightning.

▪Dimension



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