

## DS-3E0310HP-E(C) 8 Port Fast Ethernet Unmanaged PoE Switch



DS-3E0310HP-E(C) switches are layer 2 Hi-PoE switches, providing advanced PoE power supply technology and Gigabit network design on the basis of high-performance access to ensure stable data upload. The switches support Hi-PoE, long range, port isolation, and PoE watchdog functions.

- 8 × 10/100 Mbps PoE port, 2 × Gigabit RJ45 port
- IEEE 802.3bt standard Hi-PoE, Max. 90 W for one port.
- Up to 300 m long range PoE transmission.
- Port isolation to improve network security.
- 6 kV surge protection to improve reliability in harsh environment.
- PoE watchdog to auto-detect and restart cameras that do not respond.

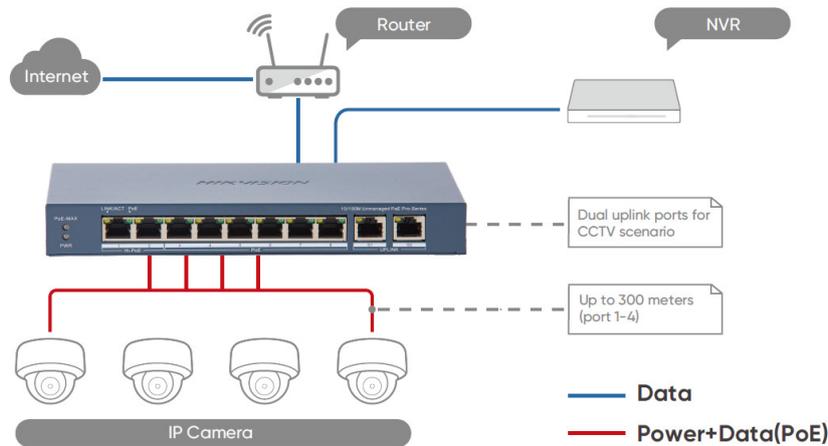
## ▪ Specification

| General                   |   |
|---------------------------|---|
| Shell                     | Metal material, fan-free design   |
| Net Weight                | 0.56 kg (1.23 lb)   |
| Gross Weight              | 1.27 kg (2.79 lb)   |
| Dimensions (W × H × D)    | 217.6 mm × 27.6 mm × 108.5 mm (8.57" × 1.09" × 4.27")   |
| 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, 2.22 A   |
| Max. Power Consumption    | 120 W   |
| Power Consumption in Idle | < 10 W  |
| Installation Mode         | Desk-Mounted  |
| Surge Protection          | 6 kV  |
| Network Parameters        |   |
| Ports                     | 8 × 10/100 Mbps PoE port, 2 × Gigabit RJ45 port   |
| MAC Address Table         | 4 K   |
| Switching Capacity        | 5.6 Gbps  |
| Packet Forwarding Rate    | 4.17 Mpps   |
| Internal Cache            | 2 Mbits   |
| PoE Power Supply          |   |
| PoE Standard              | Ports 1 and 2: IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt<br>Ports 3 to 8: IEEE 802.3af, IEEE 802.3at   |
| PoE Power Pin             | Ports 1 to 2: 8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-)<br>Ports 3 to 8: End-span: 1/2(-), 3/6(+)   |
| PoE Port                  | Hi-PoE: Ports 1 to 2<br>PoE: Ports 3 to 8   |
| Max. Port Power           | Ports 1 and 2 : 90 W<br>Ports 3 to 8: 30 W  |
| PoE Power Budget          | 110 W   |
| Dialing Function          |   |
| Long Range                | Ports 1 to 8: up to 300 m.<br>Long range performance may vary depend on camera model or cable condition.  |
| Port Isolation            | Ports 1 to 8: port isolation mode to improve network security.  |
| PoE Watchdog              | Ports 1 to 8: auto detect and restart the cameras that do not respond.  |
| 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), IC (ICES-003: Issue 7:2020), RCM (AS/NZS CISPR 32: 2015) |
| 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)   |

## ▪ Available Model

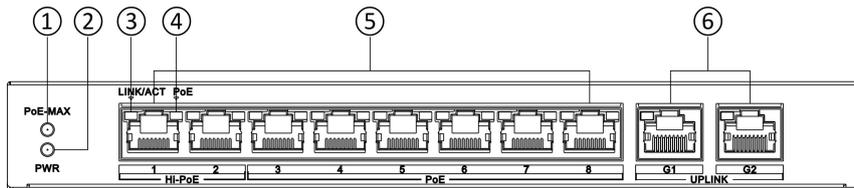
DS-3E0310HP-E(C)

## Typical Application



## Physical Interface

Front Panel



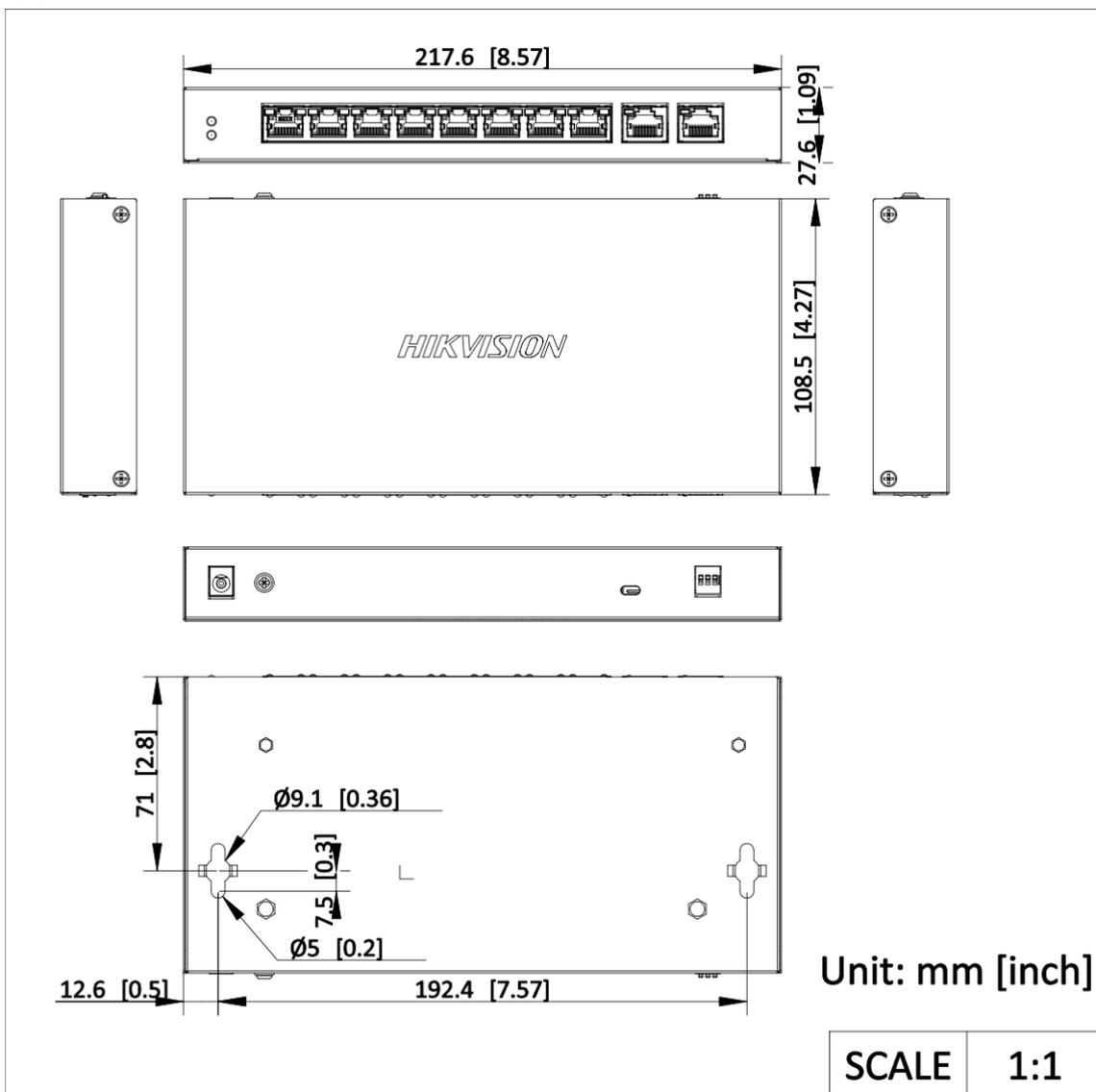
Rear Panel



| No. | Indicator/Port         | Description   |
|-----|------------------------|---|
| ①   | PoE-MAX Indicator      | <ul style="list-style-type: none"> <li>● 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.</li> <li>● Unlit: The switch does not supply power to a powered device (PD), or supplies power to a PD normally and its output power does not reach the upper limit. The PoE-MAX indicator will be unlit in five seconds after the output power of the switch returns to normal.</li> </ul> |
| ②   | PWR Indicator          | <ul style="list-style-type: none"> <li>● Solid on: The switch is powered on normally.</li> <li>● Unlit: No power supply connected or power supply is abnormal.</li> </ul>   |
| ③   | LINK/ACT Indicator     | <ul style="list-style-type: none"> <li>● Solid on: The port is connected.</li> <li>● Flashing: The port is transmitting data.</li> <li>● Unlit: The port is disconnected or connection is abnormal.</li> </ul>  |
| ④   | PoE Indicator          | <ul style="list-style-type: none"> <li>● Solid on: The switch provides power supply to a PD normally.</li> <li>● Unlit: The switch is disconnected to a PD, or provides power supply to a PD abnormally.</li> </ul>   |
| ⑤   | 100 Mbps PoE RJ45 Port | Used for connection to a PD via a network cable. Ports 1 and 2 of the switch are Hi-PoE RJ45 ports, which can be connected to high-power devices.   |
| ⑥   | Gigabit RJ45 Port      | Used for connection to another device via a network cable.  |
| ⑦   | DIP Switch             | Toggle on or off the DIP Switch to enable or disable the corresponding mode. Three modes are supported:   |

|   |                    |   |
|---|--------------------|---|
|   |                    | <ul style="list-style-type: none"> <li>● Extend (ports 1 to 8): With this mode enabled, the corresponding ports of the switch support network transmission of up to 300 meters.</li> <li>● Isolation (ports 1 to 8): With this mode enabled, data transmission of the corresponding ports is isolated from each other to improve network security.</li> <li>● PoE Watchdog (ports 1 to 8): With this mode enabled, cameras that do not respond will be automatically detected and restarted.</li> </ul> |
| ⑧ | Security Hole      | Use the steel cable lock (optional) to lock the switch.   |
| ⑨ | Grounding Terminal | Used for connection to a grounding cable to protect the switch from lightning.  |
| ⑩ | Power Supply       | Use the attached power adapter and power cord to connect the switch to a power socket.  |

▪ Dimension



# See Far, Go Further



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