

## **DS-3E0510HP-E** **8 Port Gigabit Unmanaged PoE Switch**



- 6 × gigabit PoE port, 2 × gigabit Hi-PoE port, 1 × gigabit RJ45 port, and 1 × gigabit fiber optical port.
- IEEE 802.3at/af/bt standard for Hi-PoE ports (Max. 90 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 802.3ab, and IEEE 802.3z 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.
- Gigabit network access design.
- Wire-speed forwarding.
- Store-and-forward switching.
- Solid high-strength metal shell.
- Reliable fan-free design.

## ▪ Specification

| General                   |                                                                                                                                                                                                                                        |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shell                     | Metal material, fan-free design                                                                                                                                                                                                        |
| Net Weight                | 0.59 kg (1.30 lb)                                                                                                                                                                                                                      |
| Dimensions (W × H × D)    | 217.6 mm × 108.55 mm × 27.8 mm (8.57" × 4.27" × 1.09")                                                                                                                                                                                 |
| Gross Weight              | 0.71 kg (1.57 lb)                                                                                                                                                                                                                      |
| 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 × Gigabit PoE port, 1 × Gigabit RJ45 port, 1 × Gigabit fiber optical port                                                                                                                                                            |
| MAC Address Table         | 4 K                                                                                                                                                                                                                                    |
| Switching Capacity        | 20 Gbps                                                                                                                                                                                                                                |
| Packet Forwarding Rate    | 14.88 Mpps                                                                                                                                                                                                                             |
| Internal Cache            | 1.5 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: 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 7 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                       | 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-3E0510HP-E