Unmanaged PoE Switch

Introduction

The DS-3E series PoE switch supports 5/8/16/24 100M PoE electrical ports and can be powered by the network cable directly. 802.3af (15.4W) and 802.3at (30W) standards can be self-adaptive. The PoE maximum output power is 58/120/230/370W. The switch can transmit power and data for the powered devices such as AP, IP camera, VoIP (Voice over Internet Protocol), etc. simultaneously via normal CAT5 twisted pair.

The switch supports network EXTEND mode. If the EXTEND mode is enabled, the maximum data transmission and power supply distance of the corresponding port can be extended to 250 meters via CAT5e twisted pair or above. The 8-core power supply technology helps to reduce the power circuit loss effectively. The data monitor and control for the important ports can guarantee the data or video transmission of key area first.

The all-metal design of the complete machine guarantees the firm structure, convenient usage and good reliability. The switch can be used in surveillance scenes such as parks, public security, buildings, etc..

Features and Functions

- 802.3af/at PoE standard;
- 8-core power supply technology, reducing the power circuit loss;
- Data monitor and control for the important ports;
- EXTEND mode available to extend the network cable transmission distance to 250 meters;
- Buffer optimization to guarantee the video data transmission;
- Store-and-forward switching;
- IEEE802.3, IEEE802.3u and IEEE802.3x network standards available;

- MTBF (Mean Time Between Failure) ≥ 100,000 hours;
- All-metal enclosed construction;
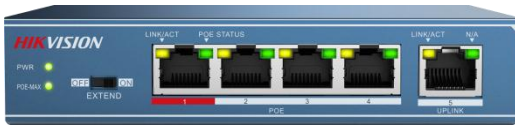- Table-mounted and rack-mouted design for convenient installation.

Available Models

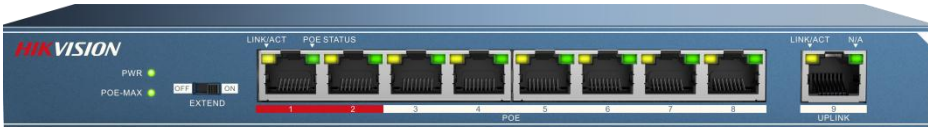| Model	Description
DS-3E0105P-E	unmanagement PoE switch with 4 100M PoE electrical ports and 1 100M electrical port
DS-3E0109P-E	unmanagement PoE switch with 8 100M PoE electrical ports and 1 100M electrical port
DS-3E0109P-E(B)	
DS-3E0318P-E	unmanagement PoE switch with 16 100M PoE electrical ports and 2 1000M COMBO ports
DS-3E0326P-E	unmanagement PoE switch with 24 100M PoE electrical ports and 2 1000M COMBO ports

Panel

DS-3E0105P-E

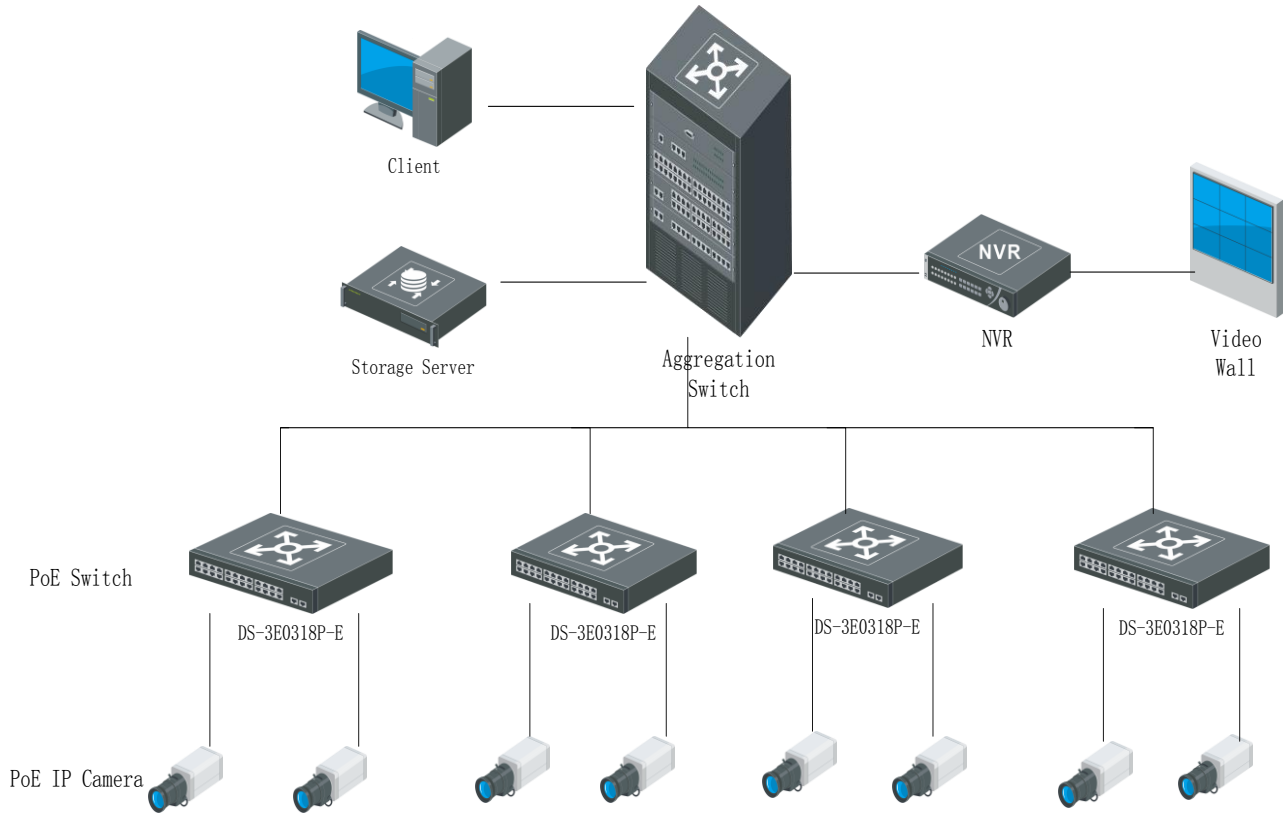DS-3E0109P-E and DS-3E0109P-E(B)

DS-3E0318P-E

DS-3E0326P-E

Hardware Specifications for Unanagement Models

Model		DS-3E0105P-E	DS-3E0109P-E	DS-3E0109P-E (B)	DS-3E0318P-E	DS-3E0326P-E
Port	10/100M RJ45	5	9	9	16	24
	10/100/1000M RJ45	/	/	/	2	2
	1000M SFP	/	/	/	2 (multiplex)	2 (multiplex)
	Port of high priority	Port 1	Port 1 to 2	Port 1 to 2	Port 1 to 8	Port 1 to 8
Performance	Store-and-forward	Support				
	MAC address table	1K	4K			
	MAC address learning	Automatic learning/Aging				
	Backplane bandwidth	1 Gbps	1.8 Gbps	1.8 Gbps	7.2 Gbps	8.8 Gbps
PoE	PoE standard	IEEE 802.3af, IEEE802.3at				
	PoE cable core	Supports 8-core power supply and simultaneous power supply via the 1236 and 4578 line order.				
	PoE port	Port 1 to 4	Port 1 to 8	Port 1 to 8	Port 1 to 16	Port 1 to 24
	Port max. power	30W				
	Switch max. power	58W	120W	100W	230W	370W
Network Extend Mode		Support (with the EXTEND switch)				
Lighting Protection Grade	For port	4 KV				
	For power supply	2 KV				
Power Supply		51 VDC, 1.25A	51 VDC, 2.5A	51 VDC, 2A	100 to 240 VAC, 50/60Hz	
Operating Environment	Working environment	Temperature: 0 ºC to +40 ºC (+32 ºF to +104 ºF) Humidity: 10% to 90% (Relative humidity, without condensation)				
	Storage environment	Temperature: -40 ºC to +70 ºC (-40 ºF to +158 ºF) Humidity: 5% to 90% (Relative humidity, without condensation)				
Data Transfer Rate		Ethernet: 10 Mbps (half-duplex)/20 Mbps (full-duplex) Fast Ethernet: 100 Mbps (half-duplex)/200 Mbps (full-duplex)				
Network Media		Ethernet: UTP/STP of CAT3 or above Fast Ethernet: UTP/STP of CAT5 or above				
Network Standard		IEEE 802.3, IEEE 802.3u, IEEE 802.3af, IEEE802.3at, IEEE 802.3x				

Networking Application

Client

Storage Server

Aggregation
Switch

NVR

NVR

Video
Wall

PoE Switch

DS-3E0318P-E

DS-3E0318P-E

DS-3E0318P-E

DS-3E0318P-E

PoE IP Camera