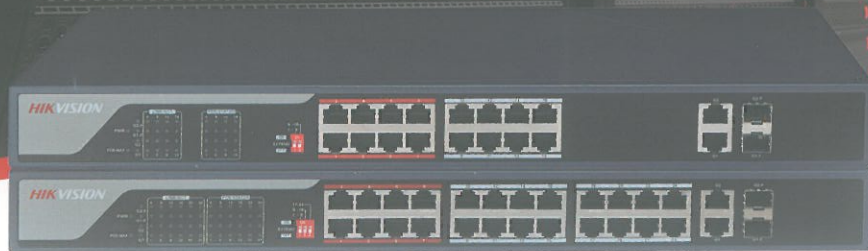


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**HIKVISION TRANSMISSION PRODUCTS AND SOLUTIONS**

# CONTENTS



SOLUTIONS



POE SWITCH



AGGREGATION SWITCH



WIRELESS DEVICES

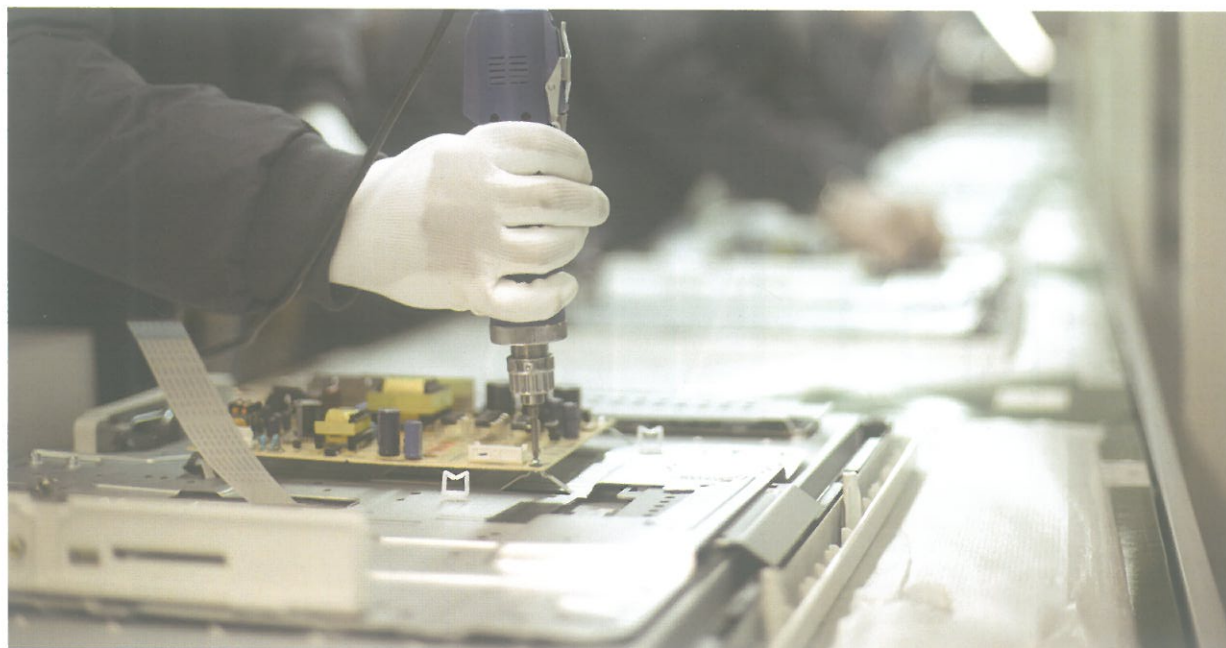


ACCESSORIES

# WHY CHOOSE HIKVISION SWITCHES

The rapid development of IP cameras in CCTV systems brings higher demands and greater challenges for switches.

Designed and manufactured with industry-leading technologies, Hikvision switches are your best choice for a secure and reliable surveillance system.



## PoE Over 250-Metres\*

Long distance PoE reduces network investment, simplifies the network, and expands its capabilities. Eight-core technology makes the power supply more stable.



## Industry-Leading Design

Automated facilities, equipment, and resources are the foundation of Hikvision's superior manufacturing quality assurance.



## VIP Port Guarantee

Unique VIP port technology guarantees important video streams are forwarded with priority.

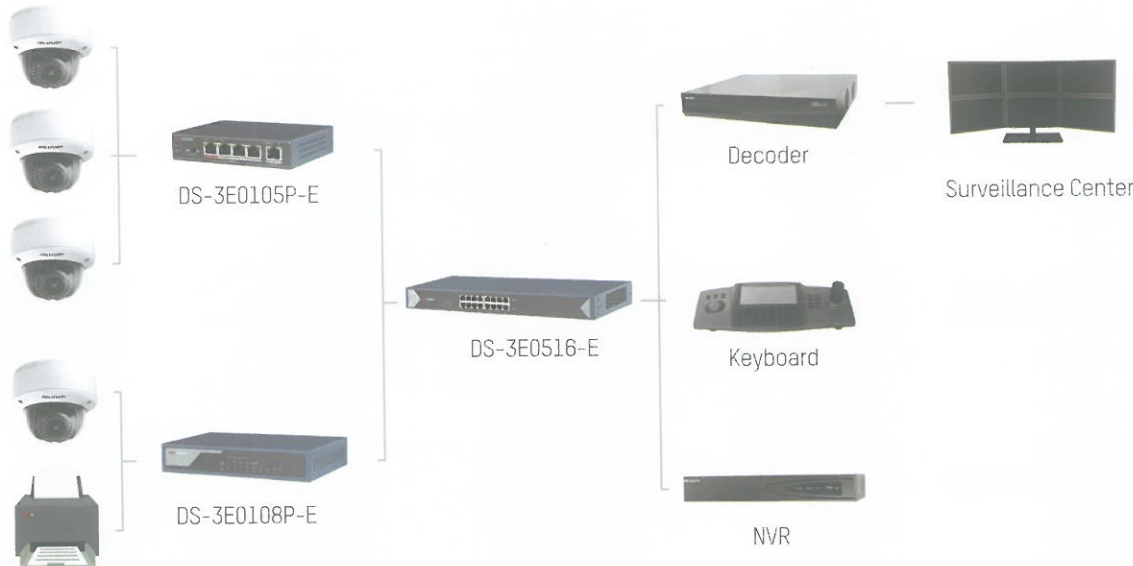


## Surge Protection

Automated facilities, equipment, and resources are the foundation of Hikvision's superior manufacturing quality assurance.

# SMART RETAIL SOLUTION

Security, cost effectiveness, and easy installation and maintenance are a few key ingredients that make a good surveillance system for retail businesses. Hikvision's Retail Solution can help you build a highly reliable and secure workplace with a small investment.

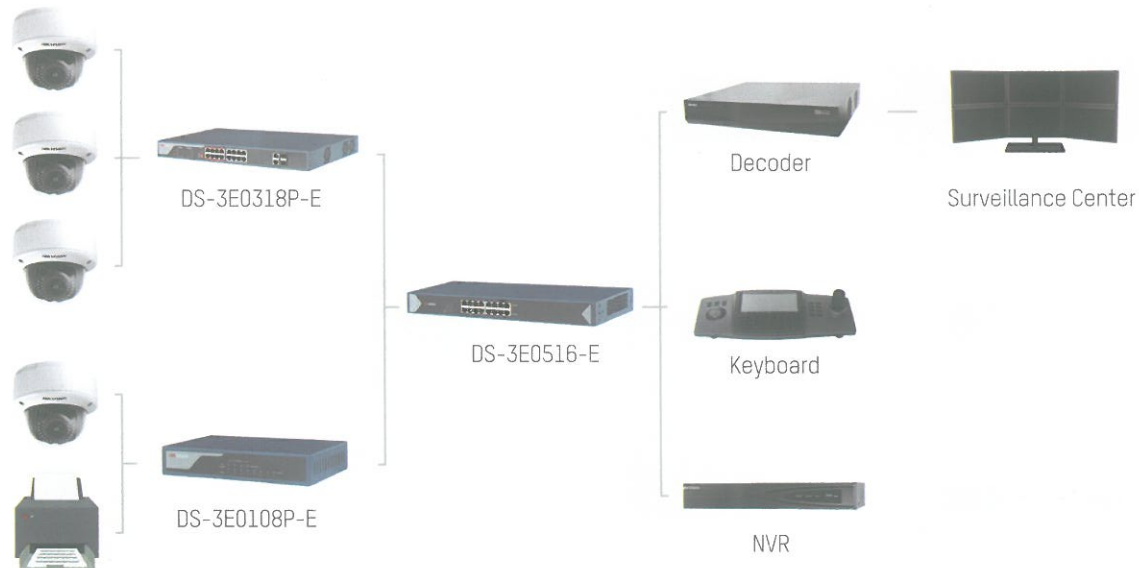


## Highlights

- 250-metre, long-distance PoE
- Red port guarantees important data transmission
- Economic CCTV PoE solution

# SMART BUILDINGS SOLUTION

Buildings always need several cameras to ensure security. With advanced, long-distance PoE transmission and high power allocation, Hikvision switches provide superior implementation.

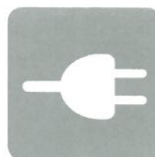


## Highlights

- High level surge protection
- High PoE power budget
- Flexible networking ability

# WHY CHOOSE HIKVISION WIRELESS BRIDGES

In many circumstances, cabled devices can be costly to install, or even introduce safety issues. With Hikvision Wireless Bridges, these issues are easily overcome. Hikvision's Wireless Solution gets your surveillance cameras into the most difficult places while at the same time providing stable video streams without interference.



## Zero Configuration

Pre-configured, plug-and-play. Configuration also possible via web interface if necessary.



## Anti-Interference

Automatically detects the environment and switches to a clear channel to avoid interference.



## Easy Deployment

Multiple ways to mount the device. Designed for many and various scenarios.

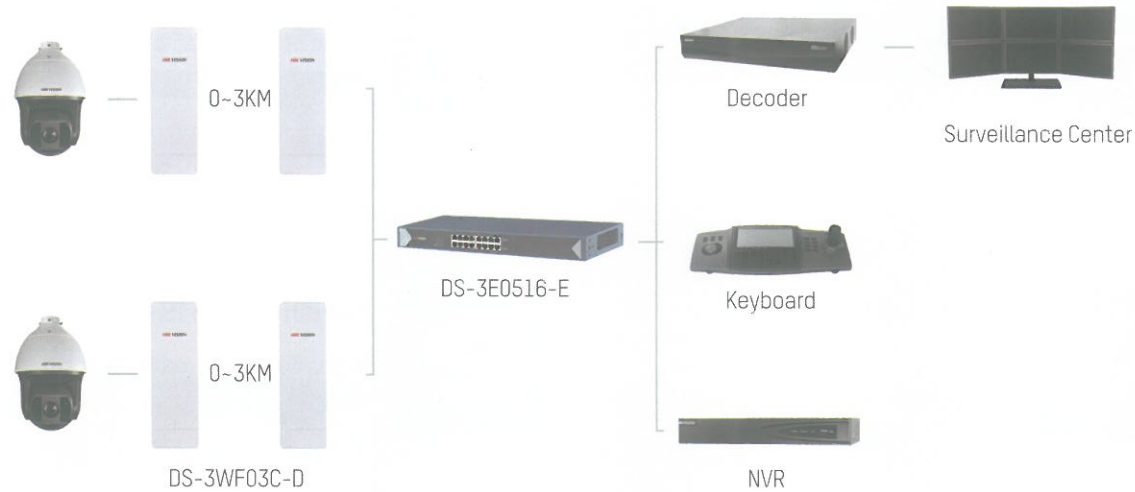


## Stable Transmission

Stable data transmission guaranteed with advanced design.

# SMART WIRELESS SOLUTION

Security is always the paramount concern at construction sites. Hikvision's Wireless Solution eliminates the need for endless cables that pose potential safety hazards.



## Highlights

- Stable transmission over long distances
- Plug-and-play
- High bandwidth transmission

# WIRELESS SOLUTION FOR ELEVATORS

When it comes to elevators, hard-wired surveillance cameras can be quite costly both for installation and maintenance. The Hikvision Wireless Solution for Elevators makes it much easier to install and access surveillance camera feed from inside an elevator, while maintaining the highest reliability.



## Highlights

- Easy to deploy
- Plug-and-play
- Anti-interference




# PRODUCT GUIDE

Transmission	PoE Switch	Unmanaged	4 x 100 M POE + 1 x 100M		DS-3E0105P-E
			8 x 100 M POE + 1 x 100M		DS-3E0109P-E
			4 x 100 M POE + 4 x 100 M		DS-3E0108P-E
			16 x 100 M POE + 2 x 1000 M Combo		DS-3E0318P-E
			24 x 100 M POE + 2 x 1000 M Combo		DS-3E0326P-E
		Web Managed	8 x 100 M POE + 2 x 1000 M Combo		DS-3E1310P-E
			16 x 100 M POE + 2 x 1000 M Combo		DS-3E1318P-E
			24 x 100 M POE + 2 x 1000 M Combo		DS-3E1326P-E
		Full Managed	8 x 100 M POE + 2 x 1000 M Combo		DS-3E2310P
	16 x 100 M POE + 2 x 1000 M Combo			DS-3E2318P	
	24 x 100 M POE + 2 x 1000 M Combo			DS-3E2326P	
	Aggregation Switch	Unmanaged	8 x 1000 M		DS-3E0508-E
			16 x 1000 M		DS-3E0516-E
			24 x 1000 M		DS-3E0524-E
	Wireless Bridge	Elevator		DS-3WF01C-2N	
		Outdoor		DS-3WF03C-D	
	Accessories	Optical Module		HK-SFP-1.25G-20-1310	
				HK-SFP-1.25G-20-1550	
		PoE Repeater		DS-1H34-0101P	
				DS-1H34-0102P	
		Network Cables		DS-1LN5E-S	
			DS-1LN6-UU		

PoE Switches







	4-Port PoE Switch	8-Port PoE Switches		
	DS-3E0105P-E	DS-3E0109P-E	DS-3E0109P-E/M	DS-3E0108P-E
Model				
Management	Unmanaged	Unmanaged	Unmanaged	Unmanaged
Ports	4 x 100 M POE + 1 x 100 M	8 x 100 M POE + 1 x 100 M	8 x 100 M POE + 1 x 100 M	4 x 100 M POE + 4 x 100 M
SFP Slots	-	-	-	-
Switching Capacity	1 Gbps	1.8 Gbps	1.8 Gbps	1.6 Gbps
PoE Budget	58 W	123 W	58 W	58 W
PoE Standard	IEEE802.3af, IEEE802.3at	IEEE802.3af, IEEE802.3at	IEEE802.3af, IEEE802.3at	IEEE802.3af, IEEE802.3at
Transmission Distance	250 m	250 m	250 m	100 m
Packet Forwarding Rate	0.74 Mpps	1.34 Mpps	1.34 Mpps	1.19 Mpps
Packet Buffer Memory	448 Kb	1.25 Mb	1.25 Mb	382 Kb
MAC Table Size	1 k	4 k	4 K	1 K
VLAN	-	-	-	-
Link Aggregation	-	-	-	-
Flow Control	Supported	Supported	Supported	Supported
Spanning Tree	-	-	-	-
Surge Protection	4 KV	4 KV	4 KV	2KV
Operating Temperature	0°-40°C (32°-104°F)	0°-40°C (32°-104°F)	0°-40°C (32°-104°F)	0°-40°C (32°-104°F)
Dimensions (W x D x H)	132 x 93.3 x 27.6 mm	235 x 103 x 27 mm	177.5 x 104.1 x 26 mm	186.7 x 106.7 x 33.3 mm

## PoE Switches




	8-Port PoE Switches		16-Port PoE Switches			
Model	DS-3E1310P-E 	DS-3E2310P 	DS-3E0318P-E 	DS-3E0318P-E/M 	DS-3E1318P-E 	DS-3E2318P 
Management	Web managed	Full Managed	Unmanaged	Unmanaged	Web managed	Full Managed
Ports	8×100M POE+2×1000M Combo	8×100M POE+2×1000M Combo	16 x 100 M POE+ 2 x 1000 M Combo	16 x 100 M POE+ 1 x 1000 M Combo	16 x 100 M POE+ 2 x 1000 M Combo	16 x 100 M POE+ 2 x 1000 M Combo
SFP Slots	2	2	2	1	2	2
Switching Capacity	5.4 Gbps	10 Gbps	7.2 Gbps	7.2 Gbps	7.2 Gbps	212.2 Gbps
PoE Budget	123 W	125 W	230 W	135 W	230 W	300 W
PoE Standard	IEEE 802.3af, IEEE802.3at	IEEE 802.3af, IEEE802.3at	IEEE802.3af, IEEE802.3at	IEEE802.3af, IEEE802.3at	IEEE802.3af, IEEE802.3at	IEEE 802.3af, IEEE802.3at
Transmission Distance	250 m	100	250 m	250 m	250 m	100 m
Packet Forwarding Rate	4.17 Mpps	5.6 Mpps	5.36 Mpps	5.36 Mpps	6.55 Mpps	8.4 Mpps
Packet Buffer Memory	2.75 Mb	4.1 Mb	2.75 Mb	2.75 Mb	2.75 Mb	4.1 Mb
MAC Table Size	4 K	8 K	4 k	4 k	4 k	8 k
VLAN	Supported	Supported	-	Supported	Supported	Supported
Link Aggregation	Supported	Supported	-	-	Supported	Supported
Flow Control	Supported	Supported	Supported	Supported	Supported	Supported
Spanning Tree	Supported	Supported	-	-	Supported	Supported
Surge Protection	4 KV	4 KV	4 KV	4 KV	4 KV	4 KV
Operating Temperature	0°-40°C (32°-104°F)	0°-40°C (32°-104°F)	0°-40°C (32°-104°F)	0°-40°C (32°-104°F)	0°-40°C (32°-104°F)	0°-40°C (32°-122°F)
Dimensions (W x D x H)	294 x 179.6 x 44 mm	280 x 179 x 45 mm	440 x 284 x 43 mm	294 x 228.8 x 44 mm	440 x 284 x 43 mm	440 x 232 x 44 mm

PoE Switches

	24-Port PoE Switches			
Model	DS-3E0326P-E	DS-3E0326P-E/M	DS-3E1326P-E	DS-3E2326P
				
Management	Unmanaged	Unmanaged	Web managed	Full Managed
Ports	24 x 100 M POE+	24 x 100 M POE+	24 x 100 M POE+	24 x 100 M POE+
	2 x 1000 M Combo	1 x 1000 M Combo	2 x 1000 M Combo	2 x 1000 M Combo
SFP Slots	2	1	2	2
Switching Capacity	8.8 Gbps	8.8 Gbps	8.8 Gbps	22.8 Gbps
PoE Budget	370 W	225 W	370 W	380 W
PoE Standard	IEEE802.3af, IEEE802.3at	IEEE802.3af, IEEE802.3at	IEEE802.3af, IEEE802.3at	IEEE802.3af, IEEE802.3at
Transmission Distance	250 m	250 m	250 m	100 m
Packet Forwarding Rate	6.55 Mpps	6.55 Mpps	6.55 Mpps	9.6 Mpps
Packet Buffer Memory	2.75 Mb	2.75 Mb	2.75 Mb	4.1 Mb
MAC Table Size	4 K	4 K	4 K	8 K
VLAN	-	Supported	Supported	Supported
Link Aggregation	-	-	Supported	Supported
Flow Control	Supported	Supported	Supported	Supported
Spanning Tree	-	-	Supported	Supported
Surge Protection	4 KV	4 KV	4 KV	4 KV
Operating Temperature	0°-40°C (32°-104°F)	0°-40°C (32°-104°F)	0°-40°C (32°-104°F)	0°-40°C (32°-122°F)
Dimensions(W x D x H)	440 x 285 x 43 mm	294 x 228.8 x 44 mm	440 x 284.8 x 44 mm	440 x 232 x 44 mm



# AGGREGATION SWITCHES

## Aggregation Switches





	8-Port Switch	16-Port Switch	24-Port Switch
Model	DS-3E0508-E 	DS-3E0516-E 	DS-3E0524-E 
Management	Unmanaged	Unmanaged	Unmanaged
Ports	8 x 1000 M	16 x 1000 M	24 x 1000 M
SFP Slots	-	-	-
Switching Capacity	16 Gbps	32 Gbps	48 Gbps
PoE Budget	-	-	-
PoE Standard	-	-	-
Transmission Distance	100 M	100 M	100 M
Packet Forwarding Rate	11.9 Mpps	23.8 Mpps	35.7 Mpps
Packet Buffer Memory	1.5 Mb	2.75 Mb	2 Mb
MAC Table Size	4 k	8 k	8 k
VLAN	-	-	-
Link Aggregation	-	-	-
Flow Control	Supported	Supported	Supported
Spanning Tree	-	-	-
Surge Protection	4 KV	4 KV	4 KV
Operating Temperature	0°-40°C (32°-104°F)	0°-40°C (32°-104°F)	0°-40°C (32°-104°F)
Dimensions(W x D x H)	186.7 x 106.7 x 33.3mm	440 x 178.8 x 44mm	440 x 178.8 x 44mm

Wireless Bridges



	Elevator	Outdoor
Model	DS-3WF01C-2N 	DS-3WF03C-D 
Ports	1 x 100 M POE + 2 x 100 M	1 x 100 M POE + 1 x 100 M
Gain	6 dBi	15 dBi
Polarization	H: 65° / V: 60°	H: 40° / V: 15°
Operating Frequency	2412 MHz to 2472 MHz	4920 MHz to 6100 MHz
Tx Power Max	27 dBm	27 dBm
Transmission Distance	500 m	3 Km
Protocol	TCP / UDP / ARP / ICMP / DHCP / HTTP / NTP	TCP / UDP / ARP / ICMP / DHCP / HTTP / NTP
Network Security	IP/MAC filter, SSID hidden, Interface Isolation	IP/MAC filter, SSID hidden
Management	Web	Web
Operating Temperature	-30°-65°C [-22°-140°F]	-30°-65°C [-22°-167°F]
Power	48 VAC / 0.25 A PoE or 12 VDC	24 VAC / 0.5 A
Dimensions	150 x 150 x 31.6 mm	270 x 40 x 88 mm

# ACCESSORIES

Optical Modules			PoE Repeaters		
	HK-SFP-1.25G-20-1550	HK-SFP-1.25G-20-1310		DS-1H34-0101P	DS-1H34-0102P
Model			Model		
Data Rate	1.25 Gbps	1.25 Gbps	Input	1 x 100 M POE	1 x 100 M POE
Interface	LC	LC	Output	1 x 100 M POE IEEE 802.3af/at standard of PSE output	2 x 100 M POE IEEE 802.3af/at standard of PSE output
Transmission Distance	20 Km	20 Km	Consumption	< 2 W	< 2 W
Transmission Medium	Single-mode, Single fiber	Single-mode, Single fiber	Transmission Distance	250 m	250 m
Wavelength	Tx 1550 nm / Rx 1310 nm	Tx 1310 nm / Rx 1550 nm	PoE Standard	IEEE802.3at and IEEE802.3af	IEEE802.3af
Sensitivity	≤ 21 dBm	≤ 21 dBm	Time Delay	< 5 μs	< 5 μs
Operating Voltage	3.3 V	3.3 V	Surge Protection	Power port: Line-to-ground: ± 2 KV; Line-to-line: 1 KV Network port: Line-to-ground: ± 4 KV	Power port: Line-to-ground: ± 2 KV; Line-to-line: 1 KV Network port: Line-to-ground: ± 4 KV
Output Power	-9 to -1 dBm	-9 to -1 dBm	Operating Temperature	-30°-70°C (-22°-158°F)	-30°-70°C (-22°-158°F)
Operating Temperature	0°-70°C (32°-158°F)	0°-70°C (32°-158°F)	Dimensions(W x H x D)	71.6 x 26.1 x 95.5 mm	71.6 x 26.1 x 95.5 mm
Dimensions	13.7 x 45 x 8.5 mm	13.7 x 45 x 8.5 mm			





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