

Network Transmission

Products and Solutions

2019 Ver. H1

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Wireless Device

V-Radio Wireless Bridge Series
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Indoor Wireless Transmission Device

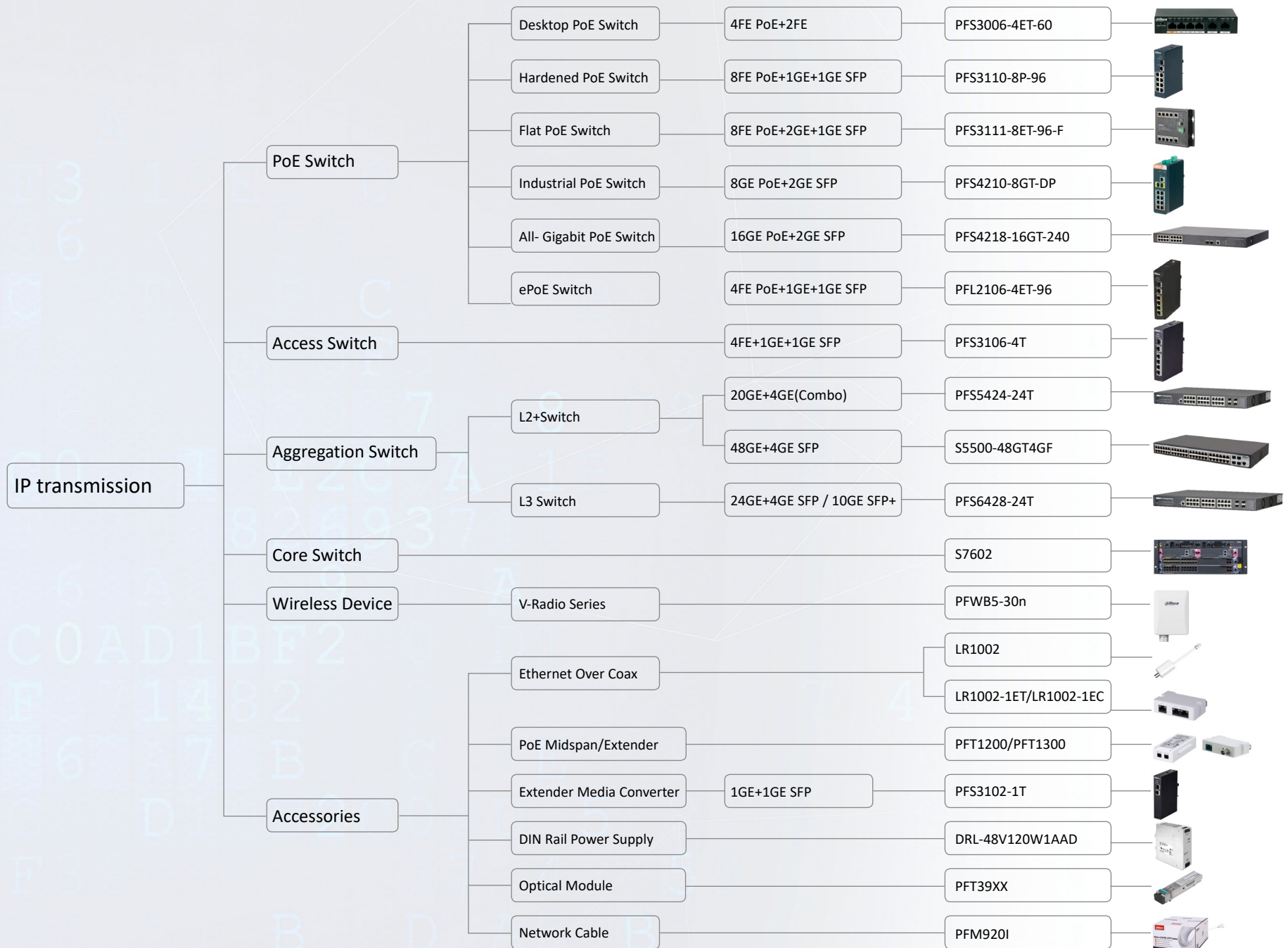
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PRODUCT GUIDE



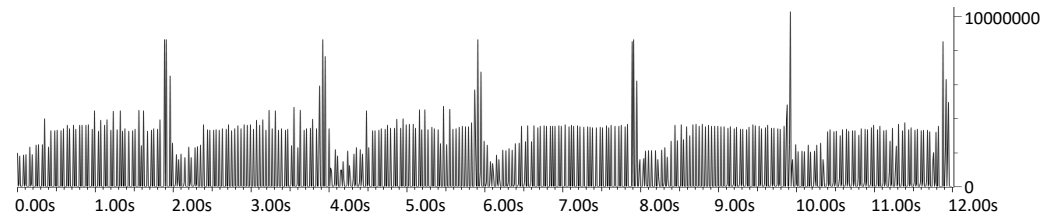
WHY DAHUA SWITCH ?

High reliable components (power, switch chip, PSE chip)

Top chip and power from world-leading video surveillance solution provider to ensure the quality and reliability.

Non-blocking video transmission

Video stream characteristic is different from the ordinary stream. Sudden increase of video stream brings high pressure to the data forwarding of switch. The flow control function of Dahua switch is enabled by default and large hardware buffer can best ease the sudden data peak and smooth the video stream.



Industrial-grade design

Dahua switch is designed to work under extreme environments, such as wide temperature range and lightning environment. Dahua switch can reach lightning protection level 3. Accelerated Life Testing (ALT) is performed to ensure the high reliability and long life time.

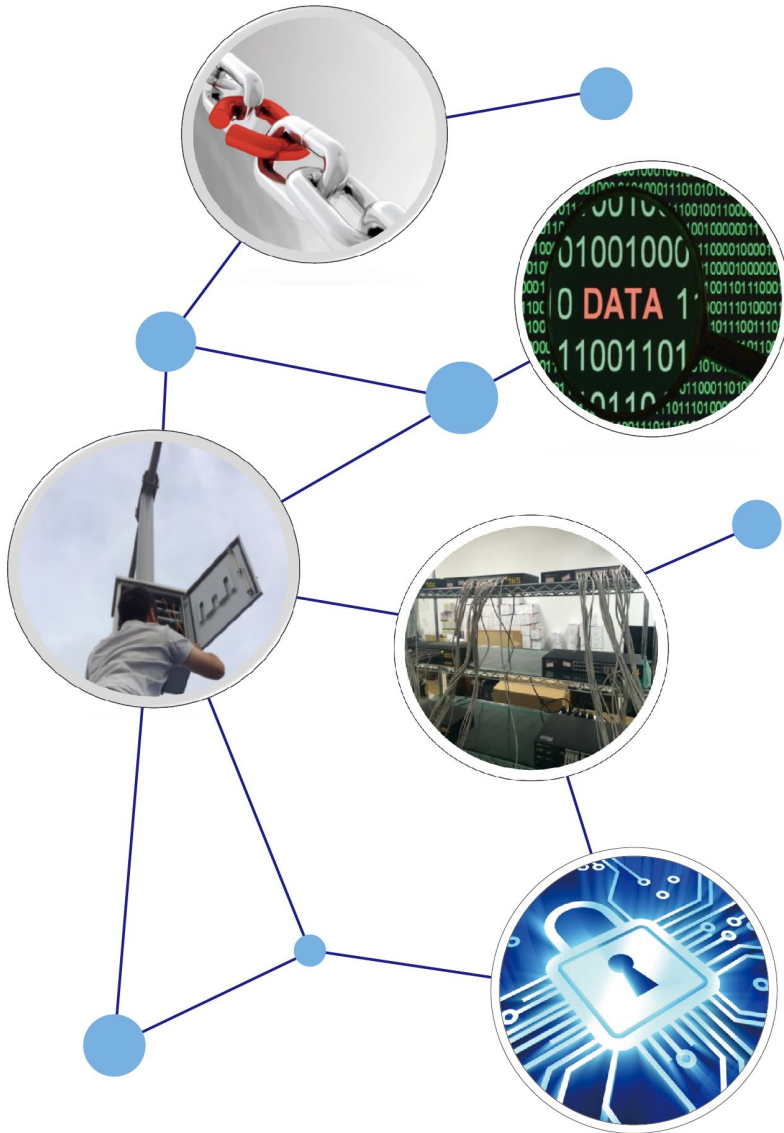
Video pressure test

It is an important feature of how a switch can handle the big amount of video streams in video surveillance. Rich experience in video surveillance has enabled Dahua to design and manufacture the best switches for video surveillance. At the same time Dahua switch has passed the high video pressure test in minimal 200 IP cameras test environment which demonstrates high product reliability.

Security

Dahua switch is capable of realizing control upon access device and avoiding network intrusion via 802.1X, MAC Binding and MAC filter.

Moreover, Dahua switch is equipped with power management mechanism, which guarantees the power supply of high-priority port and also protect the switch not to be damaged.



PoE Switch

- IP CCTV PoE switch
- Non-blocking video transmission
- Wide temperature range
- High level lightning protection

PoE Switch

PoE Switch

	Desktop PoE Switch			
Model	PFS3005-4P-58	PFS3006-4ET-60 ★	PFS3008-8ET-60	PFS3008-8GT-60
Appearance				
Fast/Gigabit Ethernet	4FE PoE+1FE	4FE PoE+2FE	4FE PoE+4FE	4GE PoE+4GE
SFP Slots	--	--	--	--
Switching Capacity	1Gbps	1.8Gbps	1.8Gbps	20Gbps
Packet Forwarding Rate	744Kpps	890Kpps	1.19Mpps	11.9Mpps
Packet Buffer Memory	448Kb	768Kb	768Kb	1.5Mb
MAC Table Size	1K	2K	2K	8K
PoE Standard	PoE (802.3af) PoE+ (802.3at)	PoE (802.3af) PoE+ (802.3at),Hi-PoE	PoE (802.3af) PoE+ (802.3at),Hi-PoE	PoE (802.3af) PoE+ (802.3at),Hi-PoE
PoE Budget	58W	60W	60W	60W
Long Distance PoE Transmission	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	--
VLAN	--	--	--	--
Link Aggregation	--	--	--	--
Flow Control	Support	Support	Support	Support
Spanning Tree	--	--	--	--
Management	--	--	--	--
Lightning Protection	Common Mode 2KV Differential, Mode 1KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 0.5KV
Working Temperature	-10°C ~ +50°C (14°F~+122°F)	-10°C ~ +55°C (14°F~+131°F)	-10°C ~ +55°C (14°F~+131°F)	-10°C ~ +55°C (14°F~+131°F)
Dimensions (WxDxH)	100mm×100mm×26mm (3.9"×3.9"×1.0")	130mm×85mm×26mm (5.1"×3.3"×1.0")	190mm×100mm×30mm (7.5"×3.9"×1.2")	190mm×100mm×30mm (7.5"×3.9"×1.2")

PoE Switch

	Desktop PoE Switch						
Model	PFS3008-8GT-96	PFS3009-8ET-96	PFS3010-8ET-96 ★	PFS3117-16ET-135 ★	PFS3125-24ET-190 ★	PFS4218-16ET-190/240★	PFS4226-24ET-240/360★
Appearance							
Fast/Gigabit Ethernet	8GE PoE	8 FE PoE + 1FE	8 FE PoE + 2GE	16FE PoE + 1GE (Combo)	24FE PoE + 1GE (Combo)	16FE PoE+2GE (Combo)	24FE PoE+2GE (Combo)
SFP Slots	--	--	--	1GE SFP(Combo)	1GE SFP(Combo)	2GE SFP(Combo)	2GE SFP(Combo)
Switching Capacity	20Gbps	1.8Gbps	5.6Gbps	5.2Gbps	6.8Gbps	8.8Gbps	8.8Gbps
Packet Forwarding Rate	11.9Mpps	1.34Mpps	4.17Mpps	3.87Mpps	5.06Mpps	5.36Mpps	6.55Mpps
Packet Buffer Memory	1.5Mb	768Kb	4Mb	2.75Mb	4Mb	2.75Mb	2.75Mb
MAC Table Size	8K	2K	16K	4K	16K	4K	4K
PoE Standard	PoE (802.3af) PoE+ (802.3at),Hi-PoE	PoE (802.3af) PoE+ (802.3at),Hi-PoE	PoE (802.3af) PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at)Hi-PoE	PoE (802.3af), PoE+ (802.3at)Hi-PoE	PoE (802.3af) PoE+ (802.3at),Hi-PoE	PoE (802.3af) PoE+ (802.3at),Hi-PoE
PoE Budget	96W	96W	96W	135w	190w	190W/240W	240W/360W
Long Distance PoE Transmission	--	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)
VLAN	--	--	--	--	--	Support	Support
Link Aggregation	--	--	--	--	--	Support	Support
Flow Control	Support	Support	Support	Support	Support	Support	Support
Spanning Tree	--	--	--	--	--	Support	Support
Management	--	--	--	--	--	Web	Web
Lightning Protection	Common Mode 2KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-10°C ~ +55°C (14°F~+131°F)	-10°C ~ +55°C (14°F~+131°F)	-10°C ~ +55°C (14°F~+131°F)	0°C ~ +45°C (32°F~+113°F)	0°C ~ +45°C (32°F~+113°F)	-10°C ~ +55°C (14°F~+131°F)	-10°C ~ +55°C (14°F~+131°F)
Dimensions (WxDxH)	190mm ×100mm×30mm (7.5"×3.9"×1.2")	190mm×100mm×30mm (7.5"×3.9"×1.2")	190mm×100mm×30mm (7.5"×3.9"×1.2")	340mm×200mm×43mm (13.4"×7.9"×1.7")	340mm×200mm×43mm (13.4"×7.9"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm x300mm×44mm (17.3"×11.8"×1.7")

PoE Switch

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PoE Switch

	Hardened PoE Switch						
Model	PFS3103-1GT1ET-60 ★	PFS3106-4P-60 ★	PFS3206-4P-96/120	PFS4206-4P-96/120	PFS3110-8P-96 ★	PFS3211-8GT-120 ★	PFS3409-4GT-96
Appearance							
Fast/Gigabit Ethernet	1FE PoE+1GE PoE	4FE PoE+1GE	3FE PoE+1GE PoE	3FE PoE+1GE PoE	8FE PoE+1GE	8GE PoE+1GE	4GE PoE+1GE
SFP Slots	1GE SFP	1GE SFP	2GE SFP	2GE SFP	1GE SFP	2GE SFP	4GE SFP
Switching Capacity	6.8Gbps	6.8Gbps	6.8Gbps	6.8Gbps	7.6Gbps	33Gbps	33Gbps
Packet Forwarding Rate	3.12Mpps	3.57Mpps	4.91Mpps	4.91Mpps	4.17Mpps	16.37Mpps	13.39Mpps
Packet Buffer Memory	2Mb	1Mb	1Mb	1Mb	1Mb	1.75Mb	1.75Mb
MAC Table Size	8K	8K	8K	8K	8K	4K	4K
PoE Standard	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at)	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at)	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at), Hi-PoE
PoE Budget	60W	60W	96W/120W	96W/120W	96W	120W	96W
Long Distance PoE Transmission	--	--	--	--	--	--	--
VLAN	--	--	--	Support	--	--	--
Link Aggregation	--	--	--	--	--	--	--
Flow Control	Support	Support	Support	Support	Support	Support	Support
Spanning Tree	--	--	--	Support	--	--	--
Management	--	--	--	Web	--	--	--
Lightning Protection	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-30°C ~ +65°C (-22°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)
Dimensions (WxDxH)	105mm×75mm×30mm (4.1"×3.0"×1.2")	150mm×100mm×30mm (5.9"×3.9"×1.2")	150mm×100mm×30mm (5.9"×3.9"×1.2")	150mm×100mm×30mm (5.9"×3.9"×1.2")	150mm×100mm×42mm (5.9"×3.9"×1.7")	150mm×110mm×42mm (5.9"×4.3"×1.7")	150mm×110mm×42mm (5.9"×4.3"×1.7")

PoE Switch					
	Flat PoE Switch	Industrial PoE Switch			All-Gigabit PoE Switch
Model	PFS3111-8ET-96-F ★	PFS4207-4GT-DP ★	PFS4210-8GT-DP ★	PFS4410-6GT-DP ★	PFS4210-8GT-150 ★
Appearance					
Fast/Gigabit Ethernet	8FE PoE+2GE	4GE PoE+1GE	8GE PoE	6GE PoE	8GE PoE
SFP Slots	1GE SFP	2GE SFP	2GE SFP	4GE SFP	2GE SFP
Switching Capacity	13.6Gbps	14Gbps	28Gbps	28Gbps	20Gbps
Packet Forwarding Rate	5.65Mpps	10.42Mpps	14.88Mpps	14.88Mpps	14.88Mpps
Packet Buffer Memory	2Mb	1.75Mb	4Mb	4Mb	4.1Mb
MAC Table Size	8K	4K	8K	8K	8K
PoE Standard	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at)
PoE Budget	96W	≤120W	≤120W	≤120W	150W
Long Distance PoE Transmission	Port1-4 (250 meters)	--	--	--	--
VLAN	--	Support	Support	Support	Support
Link Aggregation	--	Support	Support	Support	Support
Flow Control	Support	Support	Support	Support	Support
Spanning Tree	--	Support	Support	Support	Support
Management	--	Web	Web	Web	Web
Lightning Protection	Common Mode 4KV Differential Mode 2KV	Common Mode 6KV Differential Mode 4KV	Common Mode 6KV Differential Mode 4KV	Common Mode 6KV Differential Mode 4KV	Common Mode 2KV Differential Mode 1KV
Working Temperature	-30°C ~ +65°C (-22°F ~ +149°F)	-40°C ~ +75°C (-40°F ~ +167°F)	-40°C ~ +75°C (-40°F ~ +167°F)	-40°C ~ +75°C (-40°F ~ +167°F)	0°C ~ +45°C (32°F ~ +113°F)
Dimensions (WxDxH)	158mm×130mm×25mm (6.2"×5.1"×1.0")	103mm×135mm×53mm (4.1"×5.3"×2.1")	175mm×134mm×53mm (6.9"×5.3"×2.1")	175mm×134mm×53mm (6.9"×5.3"×2.1")	340mm×200mm×44mm (13.4"×7.9"×1.7")

PoE Switch

PoE Switch

	All-Gigabit PoE Switch		ePoE Switch			
Model	PFS4218-16GT-190/240 ★	PFS4226-24GT-240/360 ★	PFL2106-4ET-96	LR2110-8ET-120	LR2218-16ET-240	LR2226-24ET-360
Appearance						
Fast/Gigabit Ethernet	16GE PoE	24GE PoE	4FE ePoE+1GE	8FE ePoE+1GE	8FE ePoE+8FE PoE+2GE(Combo)	8FE ePoE+16FE PoE+2GE(Combo)
SFP Slots	2GE SFP	2GE SFP	1 GE SFP	1GE SFP	2GE SFP(Combo)	2GE SFP(Combo)
Switching Capacity	52Gbps	52Gbps	6.8Gbps	8.8Gbps	8.8Gbps	8.8Gbps
Packet Forwarding Rate	23.81Mpps	38.688Mpps	3.57Mpps	4.17Mpps	5.36Mpps	6.55Mpps
Packet Buffer Memory	4Mb	4Mb	1Mb	2.75Mb	2.75Mb	2.75Mb
MAC Table Size	8K	8K	8K	4K	4K	4K
PoE Standard	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.4at), Hi-PoE	PoE (802.3af) PoE+ (802.5at), Hi-PoE	PoE (802.3af) PoE+ (802.6at), Hi-PoE
PoE Budget	190W/240W	240W/360W	96W	120W	240W	360W
Long Distance PoE Transmission	--	--	Yes (800 meters)	Yes (800 meters)	Yes (800 meters)	Yes (800 meters)
VLAN	Support	Support	--	--	Support	Support
Link Aggregation	Support	Support	--	--	Support	Support
Flow Control	Support	Support	Support	Support	Support	Support
Spanning Tree	Support	Support	--	--	Support	Support
Management	Web	Web	--	--	Web	Web
Lightning Protection	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 1KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-10°C~+55°C (14°F~+131°F)	-10°C~+55°C (14°F~+131°F)	-30°C ~ +65°C (-22°F~+149°F)	-30°C~ +65°C (-22°F~+149°F)	-10°C ~ +55°C (14°F~+131°F)	-10°C ~ +55°C (14°F~+131°F)
Dimensions (WxDxH)	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")	150mm×100mm×30mm (5.9"×3.9"×1.2")	150mm×100mm×42mm (5.9"×3.9"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")

Access Switch

- IP CCTV access switch
- Non-blocking video transmission
- Wide temperature range
- High level lightning protection

Access Switch

Model	PFS3106-4T	PFS3110-8T	PFS3409-4GT	PFS3211-8GT ★
Appearance				
Fast/Gigabit Ethernet	4FE+1GE	8FE+1GE	5GE	9GE
SFP Slots	1GE SFP	1GE SFP	4GE SFP	2GE SFP
Switching Capacity	6.8G	13.6G	33Gbps	33Gbps
Packet Forwarding Rate	3.57Mpps	4.17Mpps	16.37Mpps	16.37Mpps
Packet Buffer Memory	1Mb	2Mb	1.75Mb	1.75Mb
MAC Table Size	8K	8K	4K	4K
PoE Standard	--	--	--	--
PoE Budget	--	--	--	--
Long Distance PoE Transmission	--	--	--	--
VLAN	--	--	--	--
Link Aggregation	--	--	--	--
Flow Control	Support	Support	Support	Support
Spanning Tree	--	--	--	--
Management	--	--	--	--
Lightning Protection	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-40°C ~ +70°C (-40 °F ~ +158°F)	-40°C ~ +70°C (-40 °F ~ +158°F)	-30°C ~ +65°C (-22°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)
Dimensions (WxDxH)	150mm×100mm×30mm (5.9"×3.9"×1.2")	150mm×100mm×42mm (5.9"×3.9"×1.7")	150mm x110mm×42mm (5.9"×4.3"×1.7")	150mm x110mm×42mm (5.9"×4.3"×1.7")

Access Switch

Access Switch

Model	PFS3005-5GT	PFS3008-8GT	PFS3016-16GT	PFS3024-24GT	PFS4220-16T	PFS4228-24T
Appearance						
Fast/Gigabit Ethernet	5GE	8GE	16GE	24GE	16FE+2GE	24FE+2GE
SFP Slots	--	--	--	--	2GE SFP	2GE SFP
Switching Capacity	10Gbps	16Gbps	32Gbps	48Gbps	24.8Gbps	24.8Gbps
Packet Forwarding Rate	7.44Mpps	11.9Mpps	23.8Mpps	35.7Mpps	8.33Mpps	9.52Mpps
Packet Buffer Memory	1Mb	1.5Mb	2Mb	2Mb	8Mb	8Mb
MAC Table Size	2K	4K	8K	8K	16K	16K
PoE Standard	--	--	--	--	--	--
PoE Budget	--	--	--	--	--	--
Long Distance PoE Transmission	--	--	--	--	--	--
VLAN	--	--	--	--	Support	Support
Link Aggregation	--	--	--	--	Support	Support
Flow Control	--	--	--	--	Support	Support
Spanning Tree	--	--	--	--	Support	Support
Management	--	--	--	--	Web	Web
Lightning Protection	Common Mode 4KV Differential Mode 0.5KV	Common Mode 4KV Differential Mode 0.5KV	Common Mode 6KV Differential Mode 0.5KV	Common Mode 6KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 1KV
Working Temperature	0°C ~ +40°C (32°F ~ +104°F)	0°C ~ +40°C (32°F ~ +104°F)	0°C ~ +40°C (32°F ~ +104°F)	0°C ~ +40°C (32°F ~ +104°F)	+10°C ~ +55°C (14°F ~ +131°F)	+10°C ~ +55°C (14°F ~ +131°F)
Dimensions (WxDxH)	100mm×64mm×25mm (3.9"×2.5"×1.0")	186mm×106mm×33mm (7.3"×4.2"×1.3")	294mm×178mm×44mm (11.6"×7.0"×1.7")	294mm x178mm x44mm (11.6"×7.0"×1.7")	442mm×263mm×44.5mm (17.4"×10.7"×1.7")	442mm×263mm×44.5mm (17.4"×10.7"×1.7")

Aggregation Switch

Aggregation Switch

- L2+/L3 full gigabit switch
- Multiple function in a single device
- With 10-Gigabit SFP+ solution
- Best choice for IP CCTV solution

Aggregation Switch

Model	PFS5424-24T	PFS5428-24GT ★	PFS5924-24X
Appearance			
Fast/Gigabit Ethernet	20GE+4GE (Combo)	24GE	8GE (Combo)
SFP Slots	4GE SFP(Combo)	4×10G SFP+	16GE SFP+8GE SFP(Combo)
Switching Capacity	350Gbps	128Gbps	350Gbps
Packet Forwarding Rate	36Mpps	96Mpps	36Mpps
VLAN	Support	Support	Support
Link Aggregation	Support	Support	Support
Port Management	Flow Control, Speed Limit, Port Mirroring	Flow Control, Speed Limit, Port Mirroring	Flow Control, Speed Limit, Port Mirroring
Ring Network Protocol	STP, RSTP, ERPS	STP, RSTP, ERPS	STP, RSTP, ERPS
IGMP Snooping	Support	Support	Support
Static IP Routing	Support	Support	Support
Dynamic Routing	--	--	--
VRRP	--	--	--
Management	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP
Working Temperature	-10°C ~ +55°C (14°F ~ +131°F)	-20°C ~ +55°C (-4°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)
Dimensions (WxDxH)	440mm×285mm×44.5mm (17.3"×11.2"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm×285mm×44.5mm (17.3"×11.2"×1.7")

Aggregation Switch

Aggregation Switch

Model	S5500-24GF4XF	S5500-48GT4GF	S5500-48GT4XF	PFS6428-24T
Appearance				
Fast/Gigabit Ethernet	8GE(Combo)	48GE	48GE	24GE
SFP Slots	16GE SFP+8GE SFP(Combo)+4x10G SFP+	4GE SFP	4x10G SFP+	4 GE SFP+10G SFP+
Switching Capacity	256Gbps	256Gbps	256Gbps	392Gbps
Packet Forwarding Rate	96Mpps	78Mpps	132Mpps	96Mpps
VLAN	Support	Support	Support	Support
Link Aggregation	Support	Support	Support	Support
Port Management	Flow Control, Speed Limit, Port Mirroring	Port Mirroring	Port Mirroring	Flow Control , Speed Limit, Port Mirroring
Ring Network Protocol	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, ERPS
IGMP Snooping	Support	Support	Support	Support
Static IP Routing	Support	Support	Support	Support
Dynamic Routing	--	--	--	OSPF, RIP, BGP
VRRP	--	--	--	Support
Management	CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP
Working Temperature	0°C ~ +45°C (32°F ~ +113°F)	0°C ~ +45°C (32°F ~ +113°F)	0°C ~ +45°C (32°F ~ +113°F)	-10°C ~ +55°C (14°F ~ +131°F)
Dimensions (WxDxH)	440mm×360mm×43.6mm (17.3"×14.2"×1.7")	440mm×238mm×44mm (17.3"×9.4"×1.7")	440mm×238mm×44mm (17.3"×9.4"×1.7")	440mm×285mm×44.5mm (17.3"×11.2"×1.7")

Core Switch

- Carrier-grade Availability Design
- High-performance IPv4/IPv6 Service Capabilities
- Three-plane Security Assurance Mechanisms IRF2

Core Switch

Model	S7602	S7606
Appearance		
Switching Capacity	5.12 Tbps or 12.8 Tbps	15.36Tbps/25.6Tbps
Packet Forwarding Rate	960 Mpps/2400 Mpps	2880 Mpps/12000 Mpps
Number of Service Slots	2	6
Redundancy Design	Redundancy of power sources and main control boards	Redundancy of power sources and main control boards
Layer 2 Features	VLAN/STP/RSTP/MSTP/CoS/Flow Control/Link Aggregation/etc	VLAN/STP/RSTP/MSTP/CoS/Flow Control/Link Aggregation/etc
IPv4 Routing	Support	Support
IPv6 Routing	Support	Support
Multicast	Support	Support
ACL	Support	Support
QoS	Support	Support
Security Mechanism	FTP/TFTP/SNMP/RMON	FTP/TFTP/SNMP/RMON
Reliability	CPU Protection/VRRP/RPR/DLCP	CPU Protection/VRRP/RPR/DLCP
Working Temperature	0°C ~ +45°C (32°F~+113°F)	0°C ~ +45°C (32°F~+113°F)
Dimensions (WxDxH)	436mm×420mm×175mm (17.2"×16.5"×6.9")	436mm×420mm×575mm (17.2"×16.5"×22.6")

Wireless Device

- Point-to-point, point-to-multi-point, back-to-back applications
- Up to 20 Km coverage
- TDMA technology ensures system reliability
- Easy installation and configuration
- Multi-Language
- Free Management Platform-DWMS

Wireless Device

V-Radio Wireless Bridge Series

	CPE	
Model	PFWB2-60n	PFWB2-30n
Appearance		
Fast/Gigabit Ethernet	1FE	1FE
Wireless Standard	802.11 b/g/n	802.11 b/g/n
Working Frequency	2.402- 2.492GHz (FCC 2.412- 2.462 GHz)	2.402- 2.492GHz (FCC 2.412- 2.462 GHz)
Wireless Speed	300Mbps	300Mbps
Transmission Distance	3km (recommended) 5km (max)	5km (recommended) 7km (max)
Antenna Gain	9dBi	14dBi
Polarization	Dual Linear: Horizontal 60°, vertical 60°	Dual Linear: Horizontal 34°, vertical 36°
Tx Power Max	31dBm	31dBm
Proprietary Protocol	TDMA	TDMA
Network Security	WPA/WPA2 Personal WPA/WPA2 Enterprise WACL, User Isolation	WPA/WPA2 Personal WPA/WPA2 Enterprise WACL, User Isolation
Management	Web/DWMS Platform	Web/DWMS Platform
Lightning Protection	Common Mode 3KV Differential Mode 1KV	Common Mode 3KV Differential Mode 1KV
Ingress Protection	IP66	IP66
Working Temperature	-30°C ~ + 70°C (-22°F~+158°F)	-30°C ~ + 70°C (-22°F~+158°F)
Dimension	145mm×116mm×58mm (5.7"×4.6"×2.3")	185mm×185mm×81mm (7.3"×7.3"×3.2")
Power	12- 24V DC Passive PoE	12- 24V DC Passive PoE

V-Radio Wireless Bridge Series

[illegible]

Wireless Device

- 17 -

Outdoor Wireless Transmission Device

	5G Wireless CPE		5G Wireless AP	
Model	PFM881	PFM881-L	PFM880	PFM880E
Appearance				
Fast/Gigabit Ethernet	2FE	2FE	1GE	1GE
Wireless Standard	IEEE802.11a/n	IEEE802.11a/n	IEEE802.11a/n	IEEE802.11a/n/ac
Working Frequency	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)
Wireless Speed	300Mbps	300Mbps	300Mbps	867Mbps
Transmission Distance	0-3Km(0-9.8Kft)	0-1.5km(0-4.9Kft)	0-3Km(0-9.8Kft)	0-3Km(0-9.8Kft)
Antenna Gain	15dBi	12dBi	16dBi	17dBi
Polarization	Dual Linear: Horizontal 40°, vertical 15°	Dual Linear: Horizontal 35°, vertical 35°	Dual Linear: Horizontal 90°, vertical 9°	Dual Linear: Horizontal 90°, vertical 9°
Tx Power Max	27dBm	24dBm	30dBm	27dBm
Proprietary Protocol	TDMA	TDMA	TDMA	TDMA
Network Security	WPA/WPA2, Hide SSID IP/MAC Filtering	WPA/WPA2, Hide SSID IP/MAC Filtering	WPA/WPA2, Hide SSID IP/MAC Filtering	WPA/WPA2, Hide SSID IP/MAC Filtering
Management	Web	Web	Web	Web
Lightning Protection	--	--	Common Mode 4KV Differential Mode 1.5KV	Common Mode 4KV Differential Mode 1.9KV
Ingress Protection			IP66	IP66
Working Temperature	-30°C ~ + 70°C (-22°F~+158°F)	-30°C ~ + 70°C (-22°F~+158°F)	-30°C ~ + 70°C (-22°F~+158°F)	-30°C ~ + 70°C (-22°F~+158°F)
Dimension	270mm×83mm×50mm (10.6"×3.3"×2.0")	140mm×92mm×31.8mm (5.5"×3.6"×1.3")	265mm×265mm×87.5mm(Device) (10.4"×10.4"×3.4") 450mm×140mm×35mm(Antenna) (17.7"×5.5"×1.4")	265mm×265mm×87.5mm(Device) (10.4"×10.4"×3.4") 450mm×166mm×60mm(Antenna) (17.7"×6.5"×2.4")
Power	Passive PoE (24V/0.5A)	Passive PoE (24V/0.5A)	PoE+ (802.3at)	PoE+ (802.3at)

Outdoor Wireless Transmission Device			Indoor Wireless Transmission Device		
	5G Wireless Backhaul		2.4G Wireless AP for Elevator	2.4G&5G Wireless Ceiling AP	
Model	PFM886-15	PFM886-20	PFM885-I	PFM889-I	PFM889-IM
Appearance					
Fast/Gigabit Ethernet	1GE	1GE	3FE	3FE	2GE
Wireless Standard	IEEE802.11a/n/ac	IEEE802.11a/n/ac	IEEE802.11 b/g/n	IEEE802.11 b/g/n	IEEE802.11 a/n/ac IEEE802.11 b/g/n
Working Frequency	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)	2412~2472Mhz (extended range: 2312~2732Mhz)	2412~2472Mhz (extended range: 2312~2732Mhz)	2.4G: 2412~2472Mhz (extended range: 2312~2732Mhz) 5G: 5745~5825MHz (extended range: 4920~6100MHz)
Wireless Speed	867Mbps	867Mbps	300Mbps	300Mbps	2.4G: 300Mbps 5G: 867Mbps
Transmission Distance	0-15Km(0-49.2Kft)	0-20Km(0-65.6Kft)	0-500m(0-1640.4ft)	0-150m(0-492ft)	0-150m(0-492ft)
Antenna Gain	23dBi	29dBi	6dBi	3dBi	External 2.4G: 3dBi Internal 5G: 3dBi
Polarization	Dual Linear: Horizontal 10°, vertical 10°	Dual Linear: Horizontal 6°, vertical 6°	Dual Linear: Horizontal 65°, vertical 60°	Omni-directional	Omni-directional
Tx Power Max	27dBm	27dBm	27dBm	27dBm	27dBm
Proprietary Protocol	TDMA	TDMA	--	--	--
Network Security	WPA/WPA2, Hide SSID IP/MAC Filtering	WPA/WPA2, Hide SSID IP/MAC Filtering	WPA/WPA2, Hide SSID IP/MAC Filtering	WPA/WPA2, Hide SSID IP/MAC Filtering	WPA/WPA2, Hide SSID IP/MAC Filtering
Management	Web	Web	Web	Web	Web
Lightning Protection	Common Mode 4KV Differential Mode 1.5KV	Common Mode 4KV Differential Mode 1.5KV	--	--	--
Ingress Protection	IP66	IP66	IP41	IP41	IP41
Working Temperature	-30°C ~ + 70°C (-22°F ~ +158°F)	-30°C ~ + 70°C (-22°F ~ +158°F)	-30°C ~ +70°C (-22°F ~ +158°F)	-30°C ~ + 60°C (-22°F ~ +140°F)	-30°C ~ + 60°C (-22°F ~ +140°F)
Dimension	240mmxØ373mm (Ø9.4"x14.7")	265mmx265mmx87.5mm (10.4"x10.4"x3.4") Ø520mm (Ø20.5")	150mmx150mmx36mm (5.9"x5.9"x1.4")	150mmx150mmx43mm (5.9"x5.9"x1.7")	150mmx150mmx43mm (5.9"x5.9"x1.7")
Power	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)

Accessories

- Complete product portfolio
- Wide temperature range

Accessories

Accessories			
	PoE Midspan		PoE Extender
Model	PFT1200	TAM1GT1GT-30	PFT1300
Appearance			
Fast/Gigabit Ethernet	2GE	2GE	3FE
SFP Slots	--	--	--
Switching Capacity	--	--	1.4Gbps
Packet Forwarding Rate	--	--	0.47Mpps
Packet Buffer Memory	--	--	512Kb
MAC Table Size	--	--	1K
PoE Standard	PoE (802.3af) PoE+ (802.3at),Hi-PoE	PoE(802.3af) PoE+(802.3at)	PoE (802.3af) PoE+ (802.3at)
PoE Budget	60W	30W	--
Lightning Protection	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-30°C ~ +60°C (-22°F~+140°F)	- 10°C~55°C (14°F~+131°F)	-30°C ~ +60°C (-22°F~+140°F)
Dimensions(WxDxH)	150mm×70mm×39mm (5.9"×2.8"×1.5")	132.3mm×60mm×33mm (5.2"×2.4"×1.3")	79mm×52mm×23mm (3.1"×2.0"×0.9")

Accessories

Accessories		
	Ethernet Media Converter	
Model	OTE103	PFS3102-1T
Appearance		
Fast/Gigabit Ethernet	1FE	1GE
SFP Slots	1FE FC	1GE SFP
Switching Capacity	1.4Gbps	6.8Gbps
Packet Forwarding Rate	0.3Mpps	2.98Mpps
Packet Buffer Memory	512Kb	1Mb
MAC Table Size	1K	8K
PoE Standard	--	--
PoE Budget	--	--
Lightning Protection	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-40°C ~ +75°C (-40°F ~ +167°F)	-40°C ~ +70°C (-40°F ~ +158°F)
Dimensions(WxDxH)	105mm×96mm×30mm (4.1"×3.8"×1.2")	150mm×100mm×30mm (5.9"×3.9"×1.2")

Accessories		
	Ethernet over Coax	
Model	LR1002	LR1002-1ET/LR1002-1EC
Appearance		
Interface	1FE+1*BNC	1FE+1*BNC
Transmission Bandwidth	RG59 coaxial cable: 400m/100 Mbps, 1000m/10 Mbps	RG59 coaxial cable: 400m/100 Mbps, 1000m/10 Mbps
PoE Standard	-- (Based on the power input from the ePoE switch)	PoE (802.3af) PoE+ (802.3at)
Lightning Protection	Common Mode 6KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-40°C ~ +65°C (-40°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)
Dimensions(WxDxH)	56mm×27mm×21mm (2.2"×1.1"×0.8")	79mm×52mm×23mm (3.1"×2.0"×0.9")

Accessories		
	DIN Rail Power Supply	
Model	DRL-48V120W1AAD	
Appearance		
Input Voltage Range	85-264Vac	
Input Frequency Range	47-63Hz	
Max Power Dissipation	0% load	1.21W @ 115Vac & 230Vac
	100% load	13.3W @ 115Vac & 230Vac
Output Voltage Adjustment Range	44-56Vdc	
Output Power	120W	
Dimensions(WxDxH)	123.6 mm×40 mm×117.6 mm (4.86"×1.57"×4.62 ")	

Accessories

	SFP Module								
Model	PFT3910	PFT3920	PFT3960	PFT3970	PFT3900	PFT3950	PFTOTSFP-1270R-20-SMF	PFTOTSFP-1270T-20-SMF	PFTOTSFP-850-MMF
Appearance									
Data Rate	155Mbps	155Mbps	1.25Gbps	1.25Gbps	155Mbps	1.25Gbps	10Gbps	10Gbps	10Gbps
Interface	LC	LC	LC	LC	LC	LC	LC	LC	LC
Transmission Distance	20km	20km	20km	20km	2km	500m	20km	20km	300m
Transmission Medium	Single-mode	Single-mode	Single-mode	Single-mode	Multi-mode	Multi-mode	Single-mode	Single-mode	Multi-mode
Wavelength	1310nm/1550nm	1550/1310nmnm	1310nm/1550nm	1550/1310nmnm	850nm	850nm	1330nm/1270nm	1270nm/1330nm	850nm
Sensitivity	≤-32dBm	≤-32dBm	≤-23dBm	≤-23dBm	≤-25dBm	≤-23dBm	-14.5dBm	-14.5dBm	-11dBm
Operating Voltage	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V
Output Power	-14~-8dBm	-14~-8dBm	-9~-2dBm	-9~-2dBm	-10~-3dBm	-9.5~-3dBm	-3~-2dBm	-3~-2dBm	-6.5~0.5dBm
Working Temperature	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)
Dimensions(WxDxH)	13.7mm×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm ×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm ×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.8mm×56.5mm ×8.45mm (0.5"×2.2"×0.3")	13.8mm×56.5mm ×8.45mm (0.5"×2.2"×0.3")	13.8mm×56.5mm ×8.45mm (0.5"×2.2"×0.3")

Network Cable

	Network Cable		CPR/UL Network Cable		LSZH Network Cable	
Model	PFM920I-5EUN	PFM920I-6UN-N	PFM920I-5EUN	PFM920I-6UN-C/U	PFM923I-5EUN-C	PFM923I-6UN-C
Appearance						
Conductor	OFC(Oxygen Free Copper) 0.45mm*4P	OFC(Oxygen Free Copper) 0.53mm*4P	OFC(Oxygen Free Copper) 0.45mm*4P	OFC(Oxygen Free Copper) 0.53mm*4P	OFC(Oxygen Free Copper) 0.45mm*4P	OFC(Oxygen Free Copper) 0.53mm*4P
Insulation	HDPE 0.82mm±0.03mm	HDPE 0.95mm±0.05mm	HDPE 0.82mm±0.03mm	HDPE 0.95mm±0.05mm	HDPE 0.82mm±0.03mm	HDPE 0.95mm±0.05mm
Jacket	PVC(White) 4.7mm±0.5mm	PVC(White) 6.0mm±0.5mm	PVC(White) 4.7mm±0.5mm	PVC(White) 6.0mm±0.5mm	LSZH(White) 4.7mm±0.5mm	LSZH(White) 6.0mm±0.5mm
Max.DC Resistance	12Ω/100m	9.38Ω/100m	12Ω/100m	9.38Ω/100m	12Ω/100m	9.38Ω/100m
Working Temperture	-15°C ~ 75°C (5°F ~ 167°F)	-15°C ~ 75°C (5°F ~ 167°F)	-15°C ~ 75°C (5°F ~ 167°F)	-15°C ~ 75°C (5°F ~ 167°F)	-15°C ~ 75°C (5°F ~ 167°F)	-15°C ~ 75°C (5°F ~ 167°F)
Certification	--	--	CPR E Class	CPR E Class UL CM Class	CPR E Class	CPR E Class
Length	305m(1000ft)	305m(1000ft)	305m(1000ft)	305m(1000ft)	305m(1000ft)	305m(1000ft)



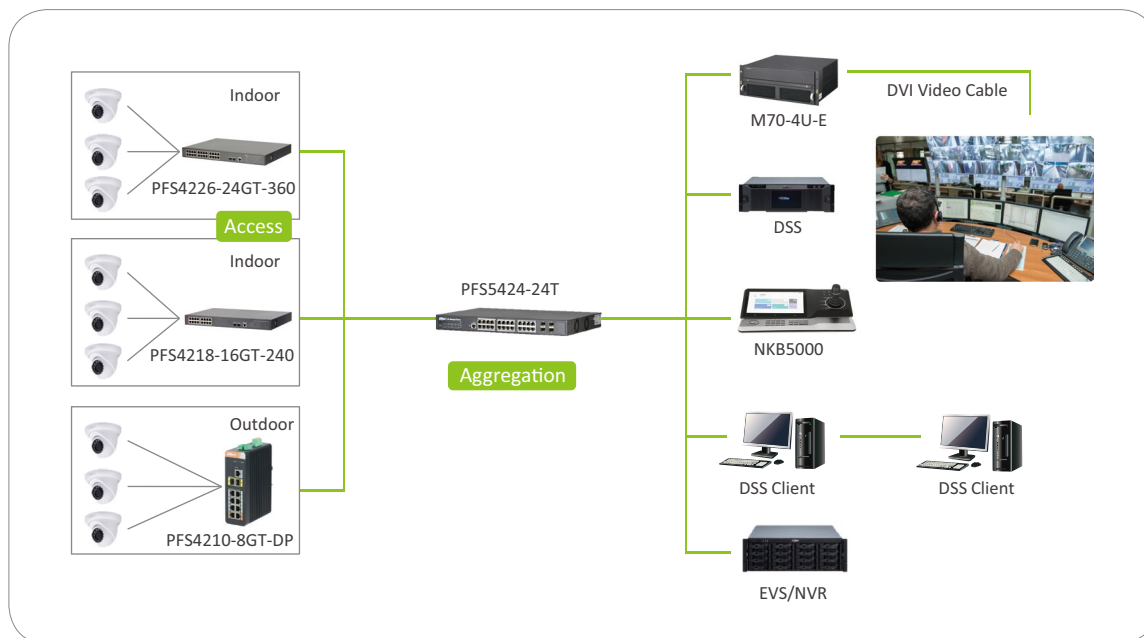
IP CCTV Solution

Open, standard and scalable are three major characteristics of an IP CCTV system. Transmission product is applied as an important bridge which perfectly connects IP cameras and NVRs in applications such as shopping mall, supermarket, etc. Besides the wide range of transmission products, Dahua also offers perfect network scalability and reliable product quality in different applications.

Solution Features

- Open, standard and scalable
- Unified management
- PoE power supply
- Industrial-grade switch

Topology





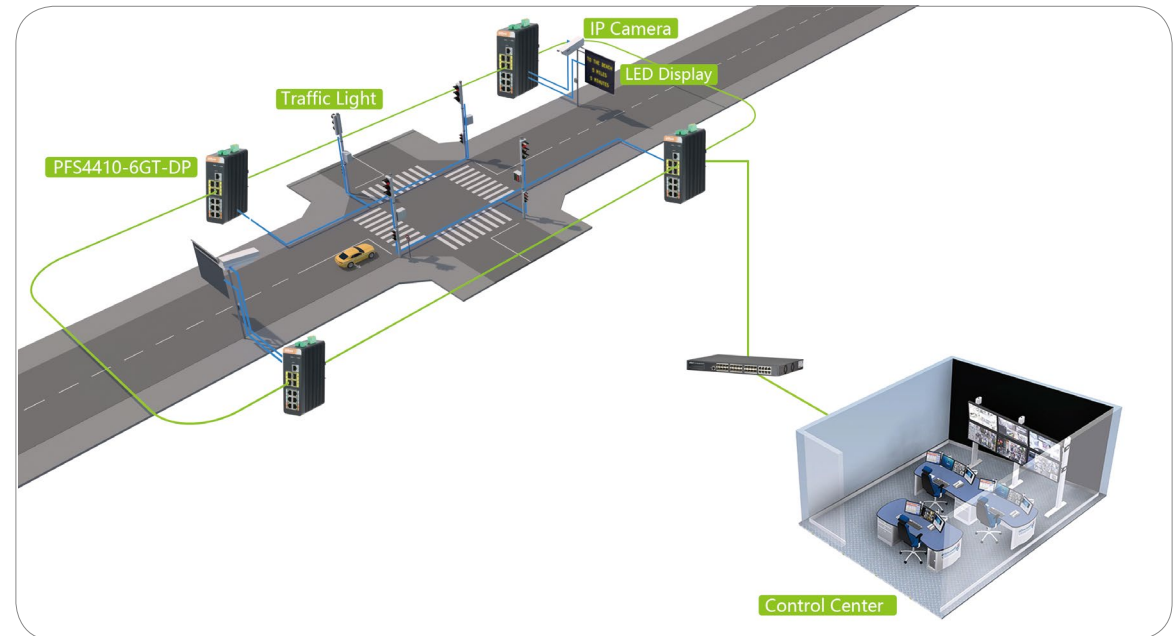
Intelligent Transportation System

Road congestion and safety trouble us a lot in modern life. Fortunately, ITS (Intelligent Transportation System) is able to achieve safer and more efficient transportation via monitoring and transmitting real-time road condition which will help react to any unexpected incident as soon as possible. Dahua industrial switch, with its powerful hardware and software features, can be better applied to harsh outdoor environment, which is ideal for ITS solution.

Solution Features

- Real-time traffic monitoring
- Industrial design for outdoor use in harsh environments
- High ESD and surge protection

Topology





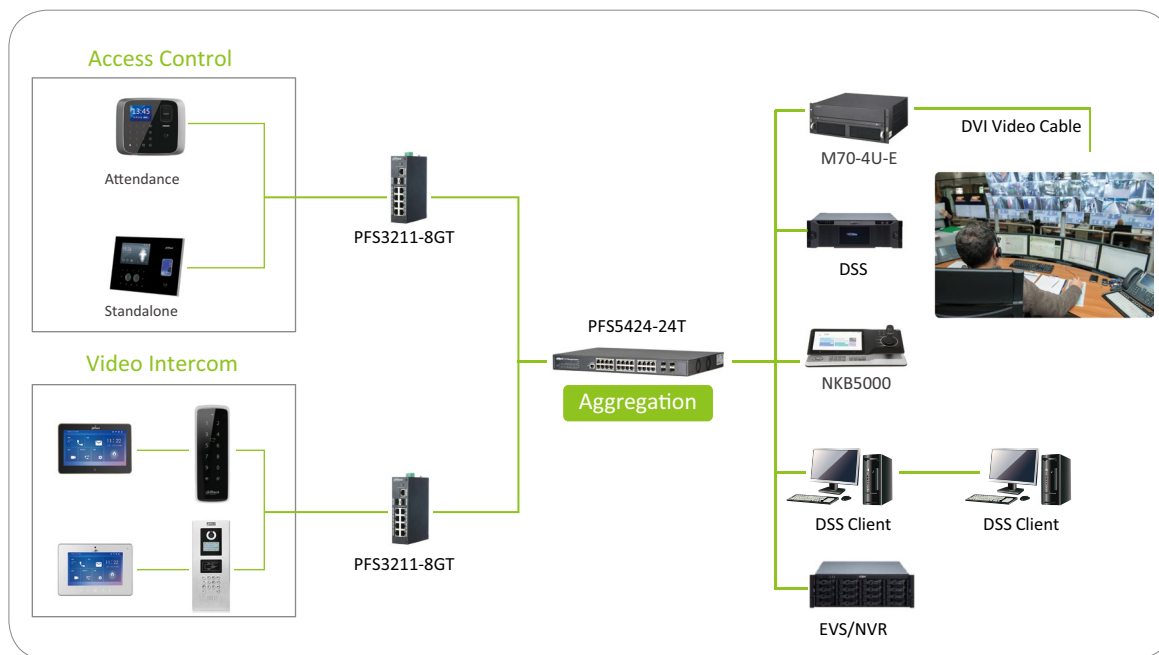
Intelligent Building Transmission Solution

With the development of technology, Video Intercom has been widely used in intelligent building. Dahua Video Intercom Systems are used to provide video and voice communications between two or more locations for security purpose. Dahua transmission products with industry-grade design offer high product reliability with best cost performance.

Solution Features

- Tailored transmission system for video intercom
- Open, standard and scalable
- Unified management
- Industrial-grade switch
- Long distance transmission

Topology





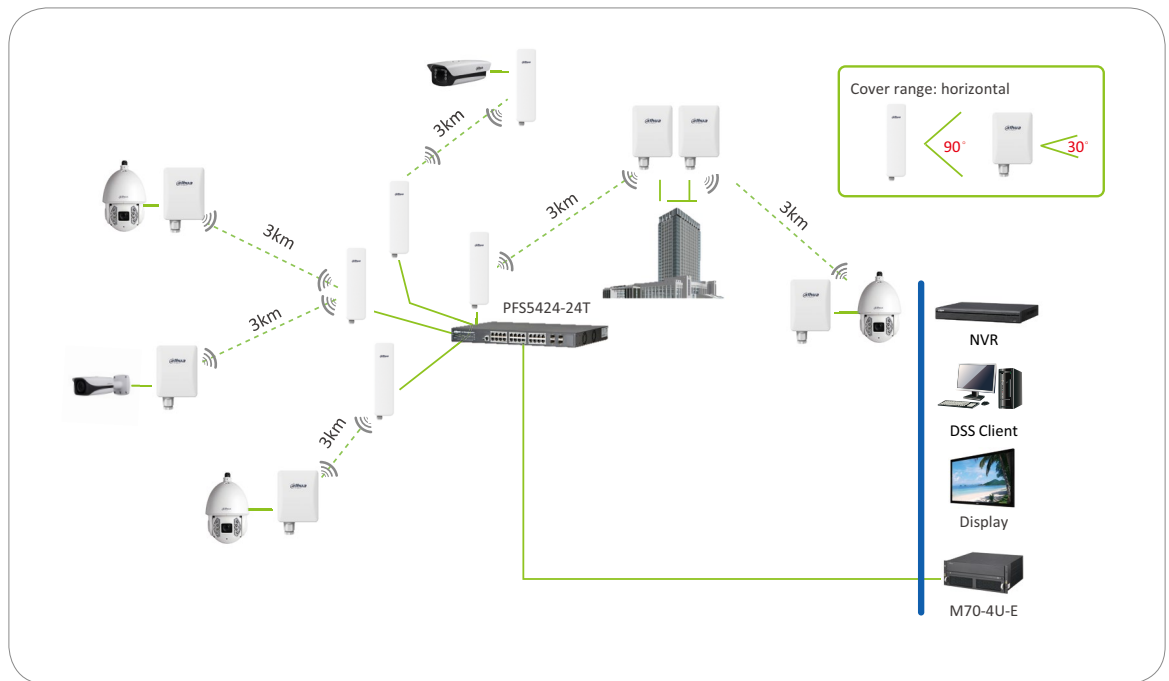
5G Wireless Transmission Solution

Access technology varies to meet different applications. Wireless technology is widely used in scenarios such as farms, construction sites, remote areas etc to supplement the existing cable infrastructure. Dahua 5G wireless solution offers you wide coverage, multiple topology application and easy installation to meet different needs with best cost performance.

Solution Features

- Point-to-point, point-to-multi-point, back-to-back applications
- Up to 20 Km coverage
- TDMA technology ensures system reliability
- Easy installation and configuration
- Dual Firmware Design
- Multi-Language
- Free Management Platform-DWMS

Topology





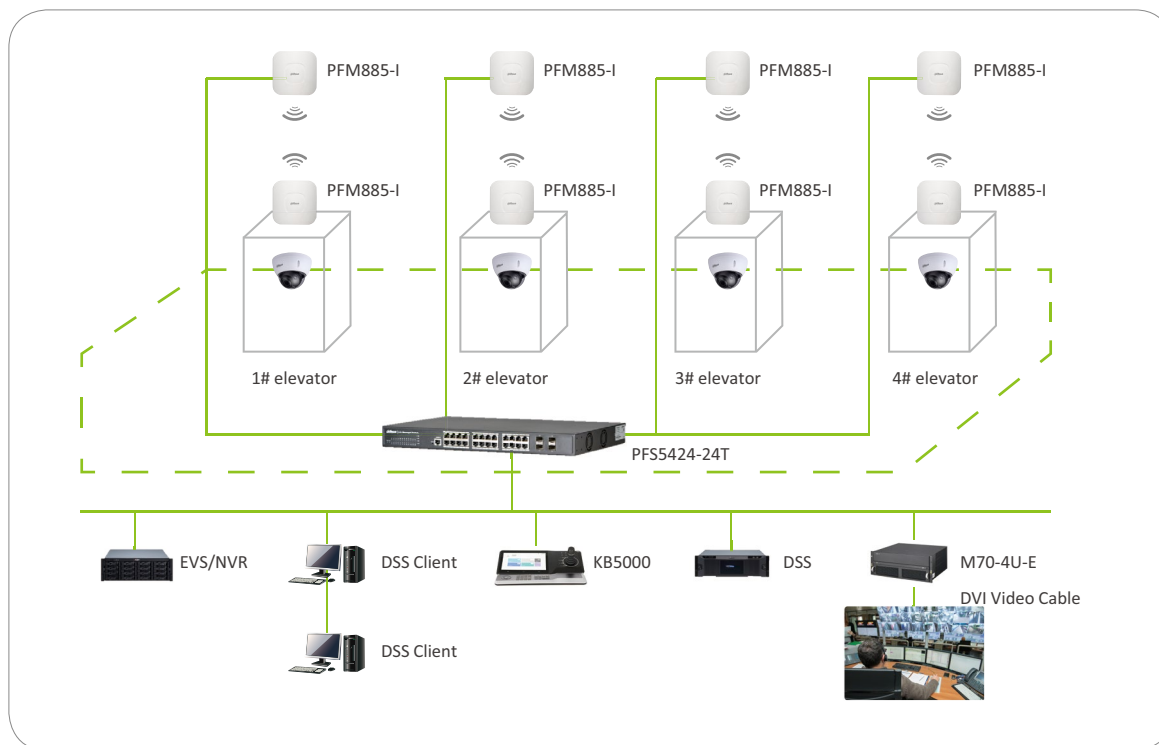
Elevator Solution

The elevator safety problem has gradually become the focus of all walks of life and media. The product can be applied for monitoring video transmission inside the elevator. The return link of data can be realized by relying on the current property management network or installing outdoor wireless device.

Solution Features

- Point-to-point application
- Up to 500m distance
- TDMA technology ensures system reliability
- Easy installation and configuration

Topology



ENABLING A SAFER SOCIETY AND SMARTER LIVING

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* Design and specifications are subject to change without notice.

Network Transmission Products and Solutions- 01, Jan 2019

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