



Network Transmission
Products and Solutions

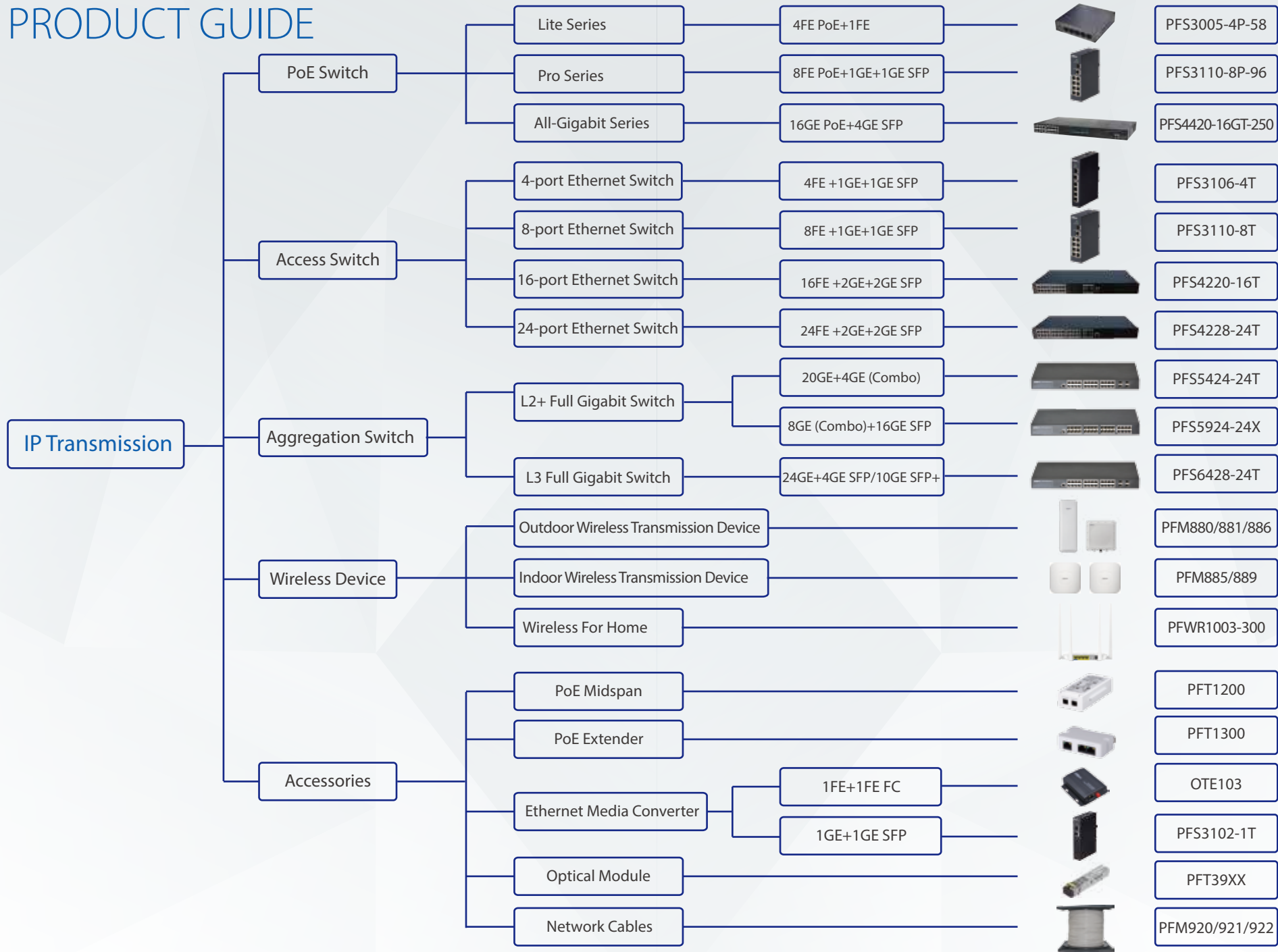
2016 Ver. 2



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PRODUCT GUIDE



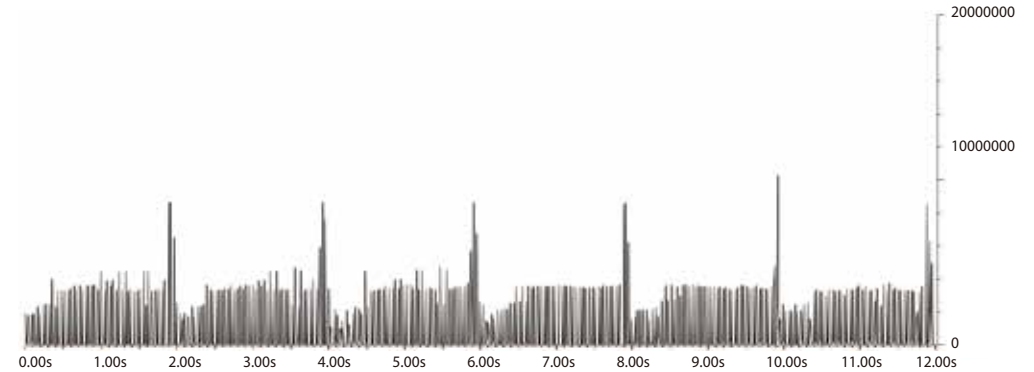
WHY DAHUA SWITCH ?

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 .

PoE Switch

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

PoE Switch


	All-Gigabit Series		
	PFS4210-8GT-150	PFS4420-16GT-250	PFS4428-24GT-370
Model			
Fast/Gigabit Ethernet	8GE PoE	16GE PoE	24GE PoE
SFP Slots	2GE SFP	4GE SFP	4GE SFP
Switching Capacity	36Gbps	56Gbps	56Gbps
Packet Forwarding Rate	14.88Mpps	29.76Mpps	41.66Mpps
Packet Buffer Memory	4.1Mb	4.1Mb	4.1Mb
MAC Table Size	8K	8K	8K
PoE Standard	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at)
PoE Budget	150W	250W	370W
PoE PIN Assignment	1,2(V+),3,6(V-)	1,2(V+),3,6(V-)	1,2(V+),3,6(V-)
VLAN	Support	Support	Support
Link Aggregation	Support	Support	Support
Flow Control	Support	Support	Support
Spanning Tree	-	-	-
Management	Web	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
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)
Dimensions(WxDxH)	330mmX230mmX44mm (13.0"x9.1"x1.7")	440mmX260mmX44mm (17.3"x10.2"x1.7")	440mmX260mmX44mm (17.3"x10.2"x1.7")

PoE Switch

Pro Series

	PFS3106-4P-60	PFS3206-4P-96	PFS3206-4P-120	PFS4206-4P-96	PFS4206-4P-120	PFS3110-8P-96
Model						
Fast/Gigabit Ethernet	4FE PoE+1GE	3FE PoE+1GE PoE	3FE PoE+1GE PoE	3FE PoE+1GE PoE	3FE PoE+1GE PoE	8FE PoE+1GE
SFP Slots	1GE SFP	2GE SFP	2GE SFP	2GE SFP	2GE SFP	1GE SFP
Switching Capacity	6.8G	6.8Gbps	6.8Gbps	6.8Gbps	6.8Gbps	7.6G
Packet Forwarding Rate	3.57Mpps	4.91Mpps	4.91Mpps	4.91Mpps	4.91Mpps	4.17Mpps
Packet Buffer Memory	1Mb	1Mb	1Mb	1Mb	1Mb	1Mb
MAC Table Size	8K	8K	8K	8K	8K	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 (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at)
PoE Budget	60W	96W	120W	96W	120W	96W
PoE PIN Assignment	4,5(V+), 7, 8(V-)	4,5(V+), 7, 8(V-)	4,5(V+), 7, 8(V-)	4,5(V+), 7, 8(V-)	4,5(V+), 7, 8(V-)	4,5(V+), 7, 8(V-)
VLAN	-	-	-	Support	Support	-
Link Aggregation	-	-	-	-	-	-
Flow Control	Support	Support	Support	Support	Support	Support
Spanning Tree	-	-	-	Support	Support	-
Management	-	-	-	Web	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
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)
Dimensions(WxDxH)	150mm x100mm x30mm (5.9"x3.9"x1.2")	150mmX100mmX30mm (5.9"x3.9"x1.2")	150mmX100mmX30mm (5.9"x3.9"x1.2")	150mmX100mmX30mm (5.9"x3.9"x1.2")	150mmX100mmX30mm (5.9"x3.9"x1.2")	150mm x100mm x42mm (5.9"x3.9"x1.7")



PoE Switch

	Pro Series					Lite Series
Model	S1000-8TP 	PFS4018 -16P-250 	PFS4220 -16P-250 	PFS4026-24P-370 	PFS4228 -24P-370 	PFS3005-4P-58 
Fast/Gigabit Ethernet	8FE PoE+1GE	16FE PoE+2GE	16FE PoE+2GE	24FE PoE+2GE	24FE PoE+2GE	4FE PoE+1FE
SFP Slots	1GE SFP	-	2GE SFP	-	2GE SFP	-
Switching Capacity	7.6G	24.8G	24.8G	24.8G	24.8G	1Gbps
Packet Forwarding Rate	4.17Mpps	5.36Mpps	8.33Mpps	6.55Mpps	9.52Mpps	744Kpps
Packet Buffer Memory	1Mb	8Mb	8Mb	8Mb	8Mb	448Kb
MAC Table Size	8K	16K	16K	16K	16K	1K
PoE Standard	PoE (802.3af), PoE+ (802.3at), Hi-PoE	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at)
PoE Budget	120W	250W	250W	370W	370W	58W
PoE PIN Assignment	4,5(V+),7,8(V-); 1,2,4,5(V+),3,6,7,8(V-)	1,2(V+),3,6(V-)	1,2(V+),3,6(V-)	1,2(V+),3,6(V-)	1,2(V+),3,6(V-)	1,2,4,5(V+),3,6,7,8(V-)
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 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 1KV
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)	-10°C ~ +55°C (+14°F ~ 131°F)	-10°C ~ +55°C (+14°F ~ 131°F)	-10°C ~ +50°C (+14°F ~ 122°F)
Dimensions(WxDxH)	300mm x220mm x44.4mm (11.8"x8.7"x1.7")	442mm x224mm x44.5mm (17"x8.8"x1.7")	442mm x263mm x44.5mm (17"x10.4"x1.7")	442mm x224mm x44.5mm (17"x8.8"x1.7")	442mm x263mm x44.5mm (17"x10.4"x1.7")	100mmX100mmX26mm (3.9"x3.9"x1.0")

Access Switch

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

Access Switch




	PFS3106-4T	PFS3110-8T
Model		
Fast/Gigabit Ethernet	4FE+1GE	8FE+1GE
SFP Slots	1GE SFP	1GE SFP
Switching Capacity	6.8G	13.6G
Packet Forwarding Rate	3.57Mpps	4.17Mpps
Packet Buffer Memory	1Mb	2Mb
MAC Table Size	8K	8K
PoE Standard	-	-
PoE Budget	-	-
PoE PIN Assignment	-	-
VLAN	-	-
Link Aggregation	-	-
Flow Control	Support	Support
Spanning Tree	-	-
Management	-	-
Lightning Protection	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)
Dimensions(WxDxH)	150mm x100mm x30mm (5.9"x3.9"x1.2")	150mm x100mm x42mm (5.9"x3.9"x1.7")

Access Switch

	PFS4220-16T	PFS4228-24T	S4000-7X	S3000-16X
Model				
Fast/Gigabit Ethernet	16FE+2GE	24FE+2GE	4FE+1GE	2GE (Combo)
SFP Slots	2GE SFP	2GE SFP	2GE SFP	16FE SFP+2GE SFP(Combo)
Switching Capacity	24.8G	24.8G	7.6G	15.2G
Packet Forwarding Rate	8.33Mpps	9.52Mpps	5.06Mpps	5.36Mpps
Packet Buffer Memory	8Mb	8Mb	1Mb	2Mb
MAC Table Size	16K	16K	8K	8K
PoE Standard	-	-	-	-
PoE Budget	-	-	-	-
PoE PIN Assignment	-	-	-	-
VLAN	Support	Support	Support	Support
Link Aggregation	Support	Support	-	Support
Flow Control	Support	Support	Support	Support
Spanning Tree	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 2KV Differential Mode 1KV
Working Temperature	+10°C ~ +55°C (14°F ~ +131°F)	+10°C ~ +55°C (14°F ~ +131°F)	-40°C ~ +75°C (-40°F ~ +167°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Dimensions(WxDxH)	442mm x263mm x44.5mm (17.4"x10.7"x1.7")	442mm x263mm x44.5mm (17.4"x10.7"x1.7")	210mm x132mm x52mm (8.3"x5.2"x2.0")	440mm x300mm x43.5mm (17.3"x11.8"x1.7")

Aggregation Switch




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




L2+ Full Gigabit Switch		L3 Full Gigabit Switch	
	PFS5424-24T	PFS5924-24X	PFS6428-24T
Model			
Fast/Gigabit Ethernet	20GE+4GE (Combo)	8GE (Combo)	24GE
SFP Slots	4GE SFP(Combo)	16GE SFP+8GE SFP(Combo)	4 GE SFP/10GE SFP+
Switching Capacity	350G	350G	392G
Packet Forwarding Rate	36Mpps	36Mpps	96Mpps
Packet Buffer Memory	32Mb	32Mb	12Mb
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	-	-	OSPF, RIP, BGP
VRRP	-	-	Support
Management	Web,CLI	Web,CLI	Web,CLI
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)
Dimensions(WxDxH)	440mm x285mm x44.5mm (17.3"x11.2"x1.7")	440mm x285mm x44.5mm (17.3"x11.2"x1.7")	440mm x285mm x44.5mm (17.3"x11.2"x1.7")


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

Outdoor Wireless Transmission Device

	5.8G Wireless AP		
	PFM880	PFM880-A	PFM880-M
Model			
Fast/Gigabit Ethernet	1GE	1GE	1GE
Processor	MIPS 74K 560MHz	MIPS 74K 720MHz	MIPS 74K 720MHz
Memory	64MB DDR2, 8MB Flash	128MB DDR2, 16MB Flash	128MB DDR2, 16MB Flash
Gain	16dBi	12dBi	External 2.4G: 13dBi Internal 5.8G: 18dBi
Polarization	Dual Linear: Horizontal 90°, vertical 12°	Dual Linear: Horizontal 360°, vertical 21°	Dual Linear: 2.4G: horizontal 360°, vertical 8°; 5.8G: horizontal 17°, vertical 17°
Working Frequency	4920 ~ 6100MHz	4920 ~ 6100MHz	2.4G: 2312~2712MHz 5.8G: 4920~6100MHz
Tx Power Max	30dBm	27dBm	27dBm
Transmission Distance	0-3Km(0-9.8Kft)	0-1Km(0-3.3Kft)	2.4G: 0-200m(0-656.2ft) 5.8G: 0-5Km(0-16.4Kft)
Protocol	IEEE802.11a/n,TDMA	IEEE802.11a/n/ac,TDMA	IEEE802.11 a/n/ac,TDMA IEEE802.11 b/g/n,TDMA
Network Security	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
Lightning Protection	Common Mode 4KV Differential Mode 1.5KV	Common Mode 4KV Differential Mode 1.9KV	Common Mode 4KV Differential Mode 1.1KV
Ingress Protection	IP66	IP66	IP66
Working Temperature	-40°C ~ + 70°C (-40°F ~ +158°F)	-40°C ~ + 70°C (-40°F ~ +158°F)	-40°C ~ + 70°C (-40°F ~ +158°F)
Power	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)

Outdoor Wireless Transmission Device			Indoor Wireless Transmission Device	
	5.8G Wireless CPE	5.8G Wireless Backhaul		2.4G Wireless AP for Elevator
Model	PFM881	PFM886-10	PFM886-20	PFM885-I
				
Fast/Gigabit Ethernet	2FE	1GE	1GE	3FE
Processor	MIPS 74K 560MHz	MIPS 74K 720MHz	MIPS 74K 720MHz	MIPS 24K 550MHz
Memory	64MB DDR2, 8MB Flash	128MB DDR2, 16MB Flash	128MB DDR2, 16MB Flash	64MB DRAM, 8MB Flash
Gain	15dBi	25dBi	29dBi	6dBi
Polarization	Dual Linear: Horizontal 40°, vertical 15°	Dual Linear: Horizontal 11°, vertical 11°	Dual Linear: Horizontal 6°, vertical 6°	Dual Linear: Horizontal 65°, vertical 60°
Working Frequency	4920 ~ 6100MHz	4920 ~ 6100MHz	4920 ~ 6100MHz	2312MHz-2732MHz
Tx Power Max	27dBm	27dBm	27dBm	27dBm
Transmission Distance	0-5Km(0-16.4Kft)	0-10Km(0-32.8Kft)	0-20Km(0-65.6Kft)	0-500m(0-1640.4ft)
Protocol	IEEE802.11a/n,TDMA	IEEE802.11a/n/ac,TDMA	IEEE802.11a/n/ac,TDMA	IEEE802.11 b/g/n: OFDM
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 1.5KV	-
Ingress Protection	IP65	IP66	IP66	IP41
Working Temperature	-40°C ~ + 70°C (-40°F ~ +158°F)	-40°C ~ + 70°C (-40°F ~ +158°F)	-40°C ~ + 70°C (-40°F ~ +158°F)	-30°C ~ +70°C (-22°F ~ +158°F)
Power	PoE (24V/0.5A)	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)/DC12V

Indoor Wireless Transmission Device		
	2.4G&5.8G Wireless Ceiling AP	
Model	PFM889-I	PFM889-IM
		
Fast/Gigabit Ethernet	3FE	2GE
Processor	MIPS 24K 550MHz	MIPS 74K 720MHz
Memory	64MB DRAM, 8MB Flash	64MB DDR2, 16MB Flash
Gain	3dBi	External 2.4G: 3dBi Internal 5.8G: 3dBi
Polarization	Omni-directional	Omni-directional
Working Frequency	2312~2712MHz	2.4G: 2312~2712MHz 5.8G: 4920~6100MHz
Tx Power Max	27dBm	27dBm
Transmission Distance	0-150m(0-492ft)	0-150m(0-492ft)
Protocol	IEEE802.11 b/g/n	IEEE802.11 a/n/ac IEEE802.11 b/g/n
Network Security	WPA/WPA2, Hide SSID, IP/MAC Filtering	WPA/WPA2, Hide SSID, IP/MAC Filtering
Management	Web	Web
Lightning Protection	-	-
Ingress Protection	IP41	IP41
Working Temperature	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)
Power	PoE+ (802.3at)/DC12V	PoE+ (802.3at)/DC12V

Wireless For Home		
	Wi-Fi Router	Wi-Fi Extender
Model	PFWR1003-300	PFEW1005-300
		
Fast/Gigabit Ethernet	1FE WAN +3FE LAN	-
Memory	16MB	16MB
Protocols & Standards	IEEE802.11/b/g/n	IEEE802.11/b/g/n
Antennas	4X5dBi External Antennas	2X3dBi External Non-detachable
Frequency	2.4GHz	2.4GHz
Transmission Rate	300Mbps	300Mbps
LED Indicator	SYS, Wi-Fi, LAN 1, 2, 3, WAN, WPS	Wi-Fi Signal Strength LED
Button	1XReset /WPS, 1XWi-Fi	Reset Hole,WPS Button
WAN Connection Type	Dynamic IP; Static IP	-
Operating Mode	Router mode, WISP, Client+AP	Repeater Mode
VPN Pass-through	Support	-
DHCP Server	Support	Support
Wireless Security	WPA/WPA2-PSK+ AES/TKIP	WPA-PSK/WPA2-PSK+ AES/TKIP
Working Temperature	0°C~40°C (32°F ~ +104°F)	0°C~40°C (32°F ~ +104°F)
Dimissions(WxDxH)	171.3mmX171.3mmX36.4mm (6.7"x6.7"x1.4")	111mmX56mmX47.7mm (4.4"x2.2"x1.9")

Accessories




- Complete product portfolio
- Wide temperature range

PoE Midspan	PoE Extender	Ethernet Media Converter		
	PFT1200	PFT1300	OTE103	PFS3102-1T
Model				
Fast/Gigabit Ethernet	2GE	3FE	1FE	1GE
SFP Slots	-	-	1FE FC	1GE SFP
Switching Capacity	-	1.4G	1.4G	6.8G
Packet forwarding rate	-	0.47Mpps	0.30Mpps	2.98Mpps
Packet Buffer Memory	-	512Kb	512Kb	1Mb
MAC Table Size	-	1K	1K	8K
PoE Standard	PoE (802.3af), PoE+ (802.3at), Hi-PoE	PoE (802.3af), PoE+ (802.3at)	-	-
PoE Budget	60W	-	-	-
PoE PIN Assignment	1, 2, 4, 5(V+), 3, 6, 7, 8(V-)	4, 5(V+), 7, 8(V-)	-	-
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	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)	-40°C ~ +75°C (-40°F ~ +167°F)	-40°C ~ +70°C (-40°F ~ +158°F)
Dimensions(WxDxH)	150mm x70mm x39mm (5.9"x2.8"x1.5")	79mm x52mm x23mm (3.1"x2.0"x0.9")	104.6mmx96.2mmx29.5mm (4.1"x3.8"x1.2")	150mmx100mmx30mm (5.9"x3.9"x1.2")

Optical Module

	PFT3910	PFT3920	PFT3960	PFT3970	PFT3900	PFT3950
Model						
Data Rate	155Mbps	155Mbps	1.25Gbps	1.25Gbps	155Mbps	1.25Gbps
Interface	LC	LC	LC	LC	LC	LC
Transmission Distance	20km	20km	20km	20km	2km	500m
Transmission Medium	Single-mode	Single-mode	Single-mode	Single-mode	Multi-mode	Multi-mode
Wavelength	1310nm/1550nm	1550nm/1310nm	1310nm/1550nm	1550nm/1310nm	850nm	850nm
Sensitivity	≤-32dBm	≤-32dBm	≤-23dBm	≤-23dBm	≤-25dBm	≤-23dBm
Operating Voltage	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V
Output Power	-14dBm~-8dBm	-14dBm~-8dBm	-9dBm~-2dBm	-9dBm~-2dBm	-10dBm~-3dBm	-9.5dBm~-3dBm
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)
Dimensions(WxDxH)	13.7mm x56.5mm x8.95mm (0.5"x2.2"x0.4")	13.7mm x56.5mm x8.95mm (0.5"x2.2"x0.4")	13.7mm x56.5mm x8.95mm (0.5"x2.2"x0.4")	13.7mm x56.5mm x8.95mm (0.5"x2.2"x0.4")	13.7mm x56.5mm x8.95mm (0.5"x2.2"x0.4")	13.7mm x56.5mm x8.95mm (0.5"x2.2"x0.4")

Network cables series

	Super 5 types	6 types	
	PFM920	PFM921	PFM922
Model			
Conductor	Bare copper, 1/0.5, 24AWG*4P	Bare copper, 1/0.56, 23AWG*4P	Copper clad aluminum, 1/0.56, 23AWG*4P
Insulation	HDPE, 0.9+/-0.05mm	HDPE, 1.0+/-0.05mm	HDPE, 1.0+/-0.05mm
Lay of twisted conductors	140mm	160mm	160mm
Jacket	PVC(65P), 5.2+/-0.1mm	PVC(65P), 6.5+/-0.1mm	PVC(65P), 6.5+/-0.1mm
Max. DC resistance	9.5Ω/100m	6.58Ω/100m	28Ω/100m
Max. attenuation	22(dB/100m, 100MHz)	18(dB/100m, 100MHz)	18(dB/100m, 100MHz)
Rated voltage	300V	300V	300V
Bandwidth	100MHz	250MHz	250MHz
Working temperature	0°C ~+70°C (+32°F ~ +158°F)	0°C ~+70°C (+32°F ~ +158°F)	0°C ~+70°C (+32°F ~ +158°F)
Carried standard	TIA/EIA-568B	TIA/EIA-568B	TIA/EIA-568B
Packaging Length	305m trolley case packaging	305m trolley case packaging	305m trolley case packaging



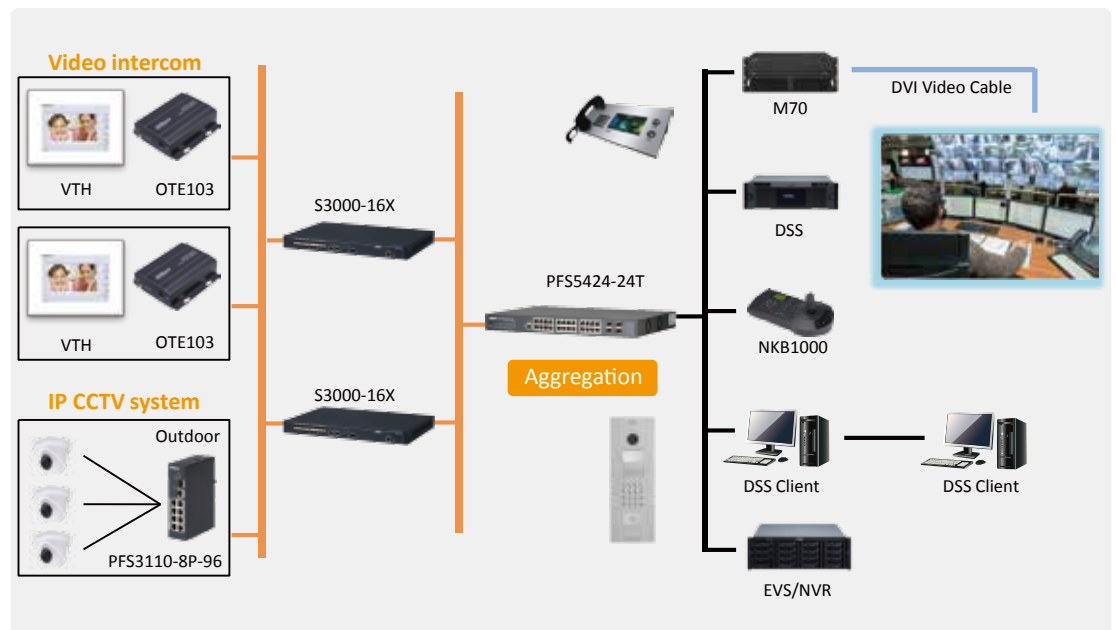
Intelligent Building Transmission Solution

With the development of technology, Video Intercom has been widely used in intelligent building. Dahua Video Intercom System 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



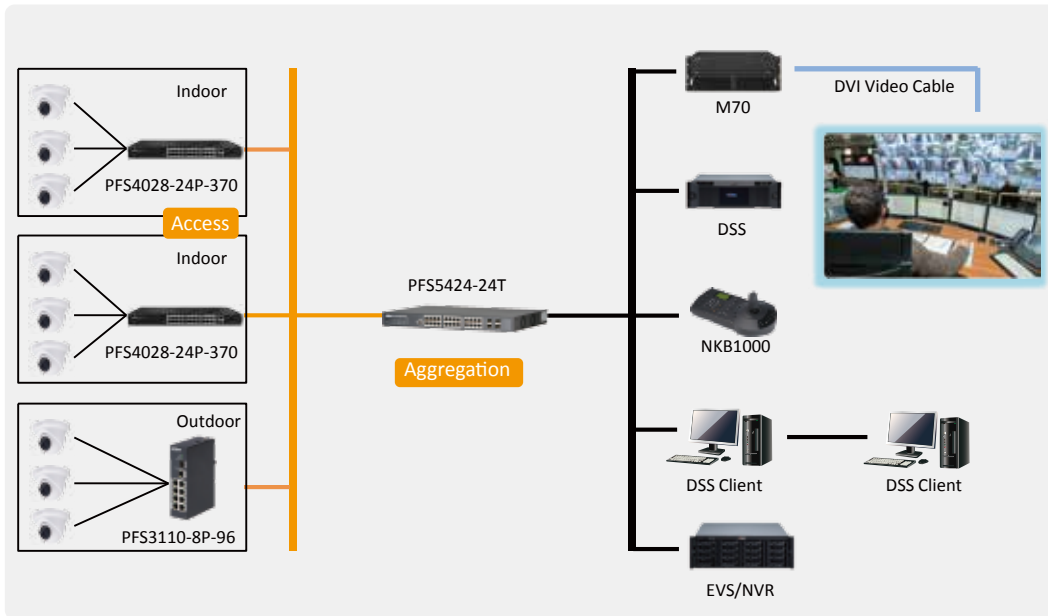
Mall Solution

Open, standard and scalable are three major characteristics of 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, Dahua wide range of transmission products offer you 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





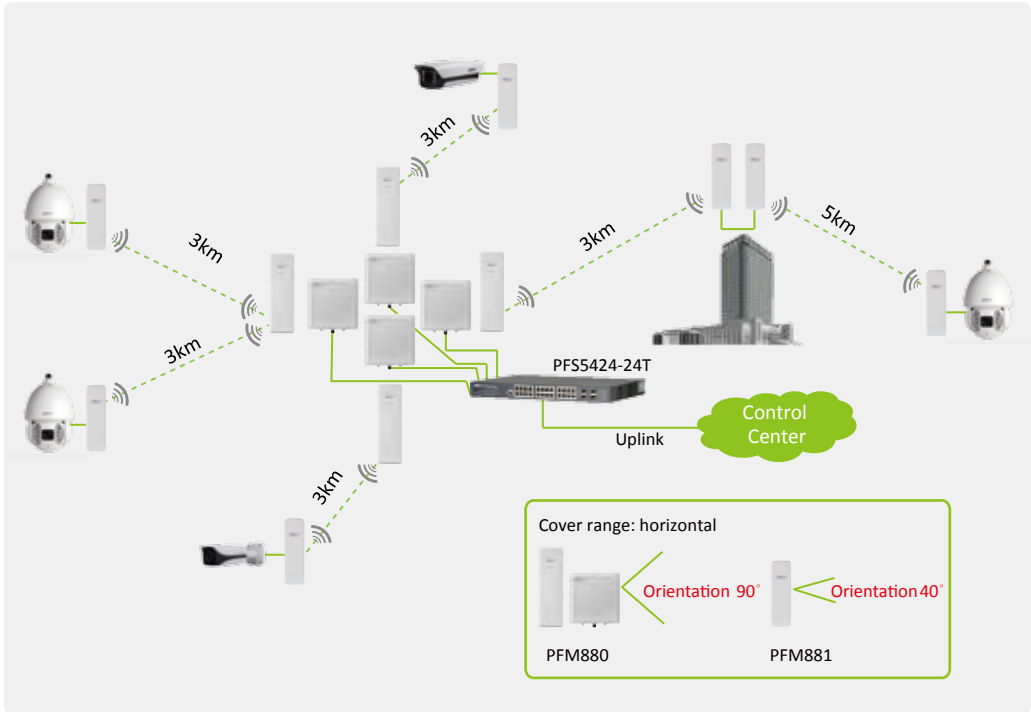
5.8G Wireless Transmission Solution

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 5.8G 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
- Advanced rate control algorithm can quickly adapt to channel quality change
- Easy installation and configuration

Topology



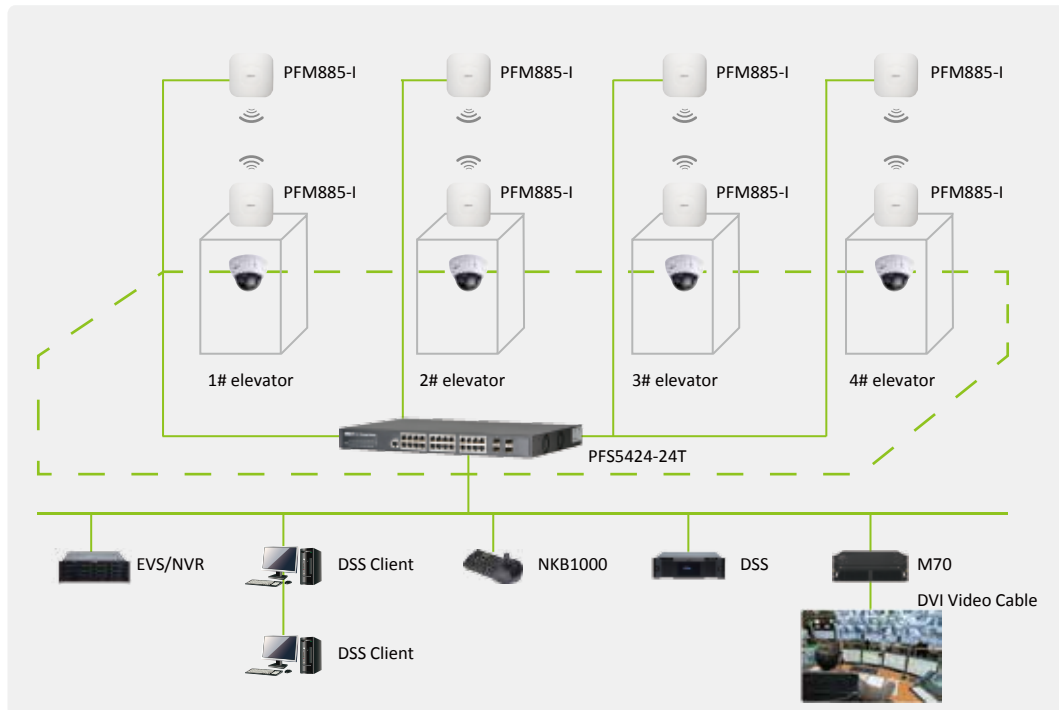
Elevator Solution

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 well. 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





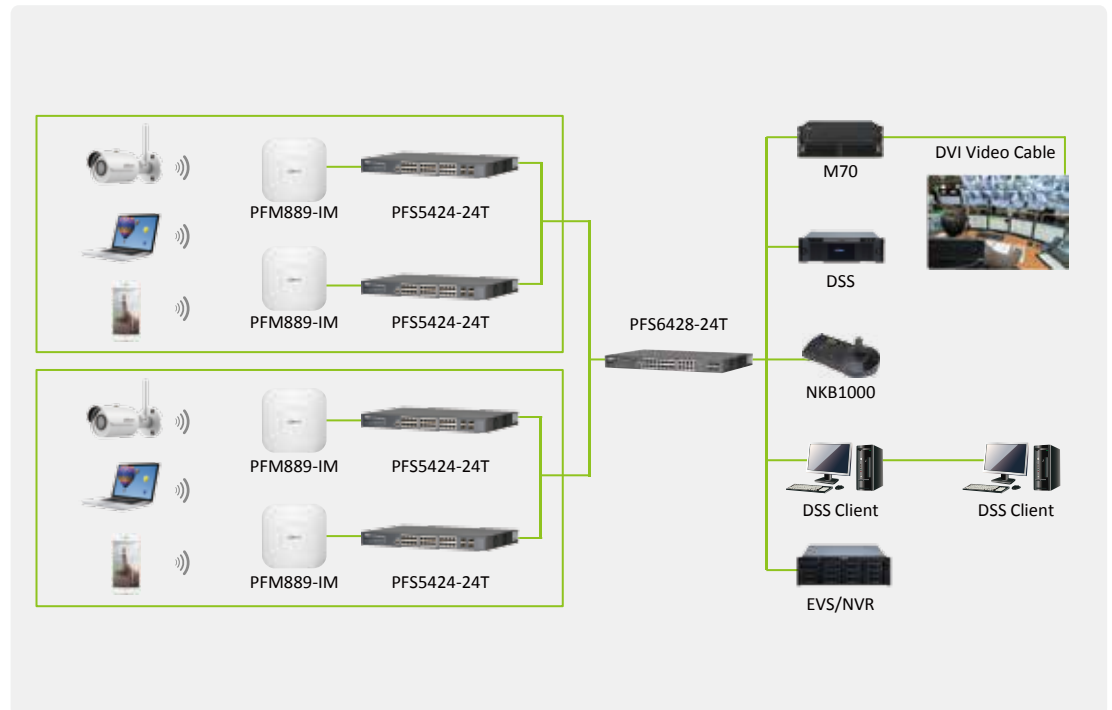
Wireless Indoor Coverage Solution

The product can provide excellent wireless signal coverage, which can be widely applied in various indoor scenes, such as hotel, office, meeting room, coffee shop, restaurant, hospital lobby, airport hall and other areas with high people density.

Solution Features

- Omni-directional coverage application
- The best coverage: 0-150m(0-492ft)(open)
- TDMA technology ensures system reliability
- Easy installation and configuration
- Ceiling mount

Topology





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* Design and specifications are subject to change without notice.

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