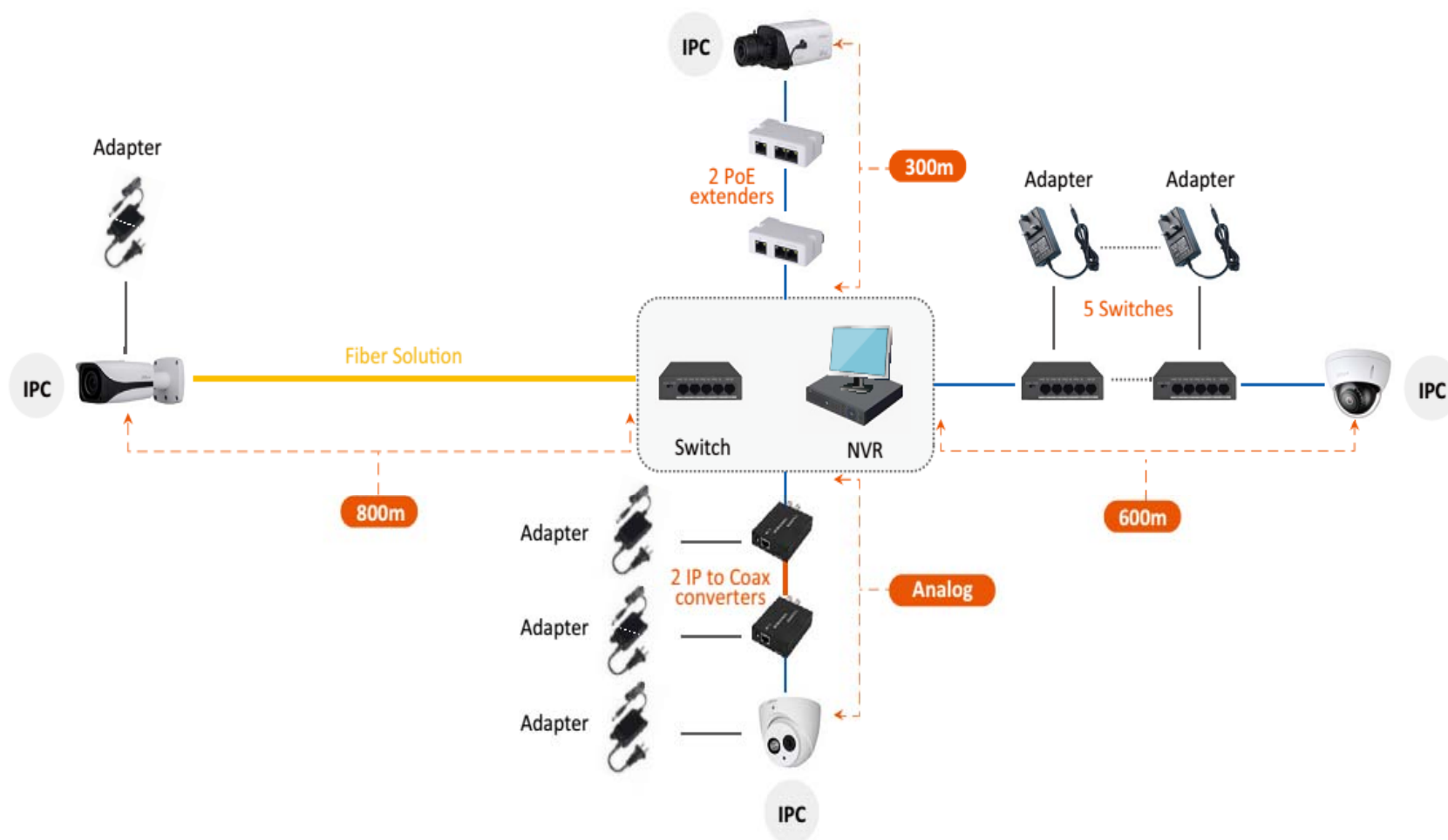


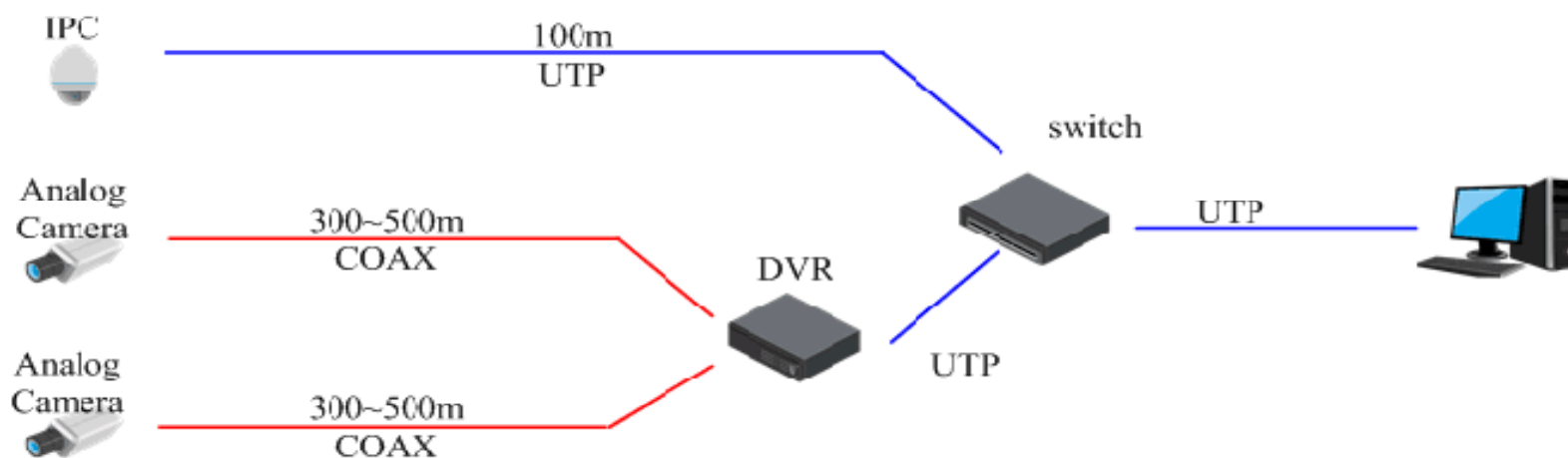
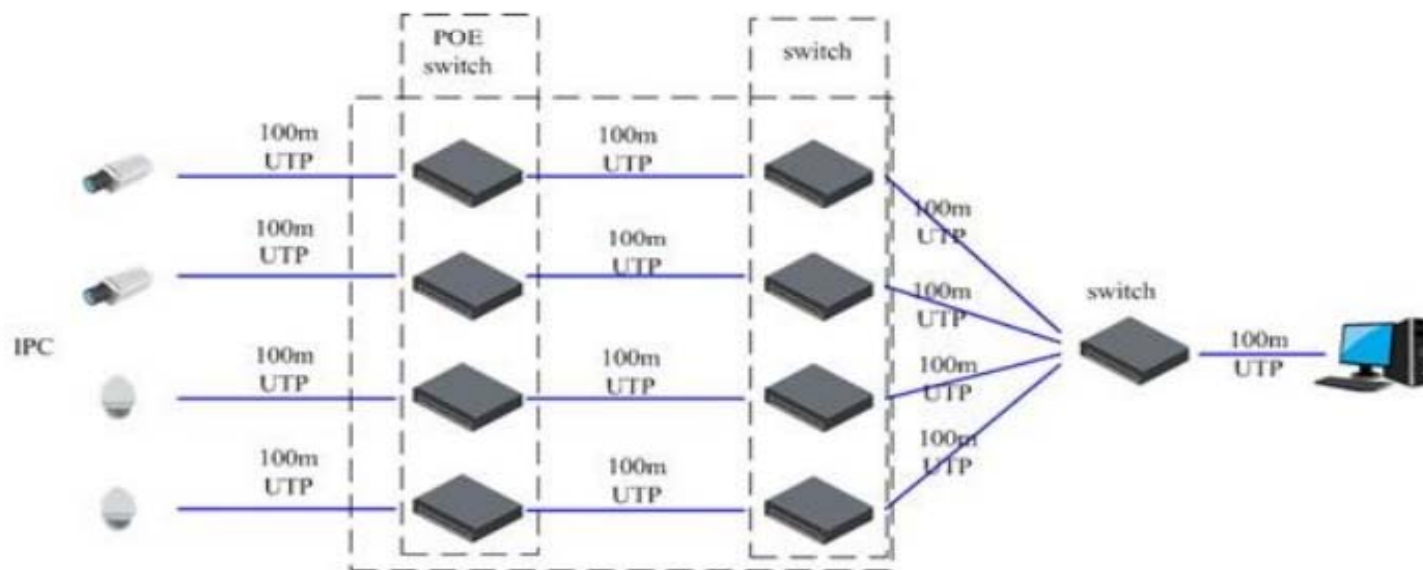
A man in a white tank top and black shorts is running on a paved road that stretches into the distance. The road has '800m' painted on it in large white letters. The background shows a green field and a blue sky with clouds.

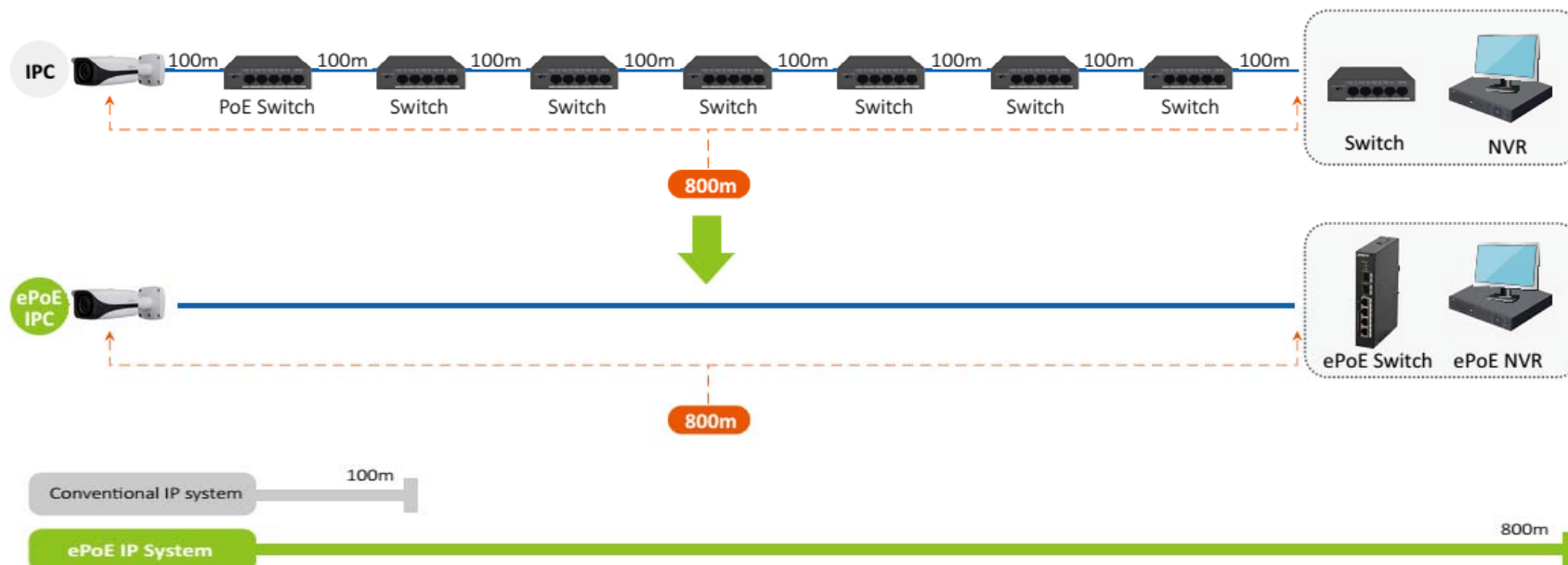
Reach The Unreachable

800m ePoE to reduce cabling & repeater costs

- Eco - Friendly
- Economic
- Extended
- EoC

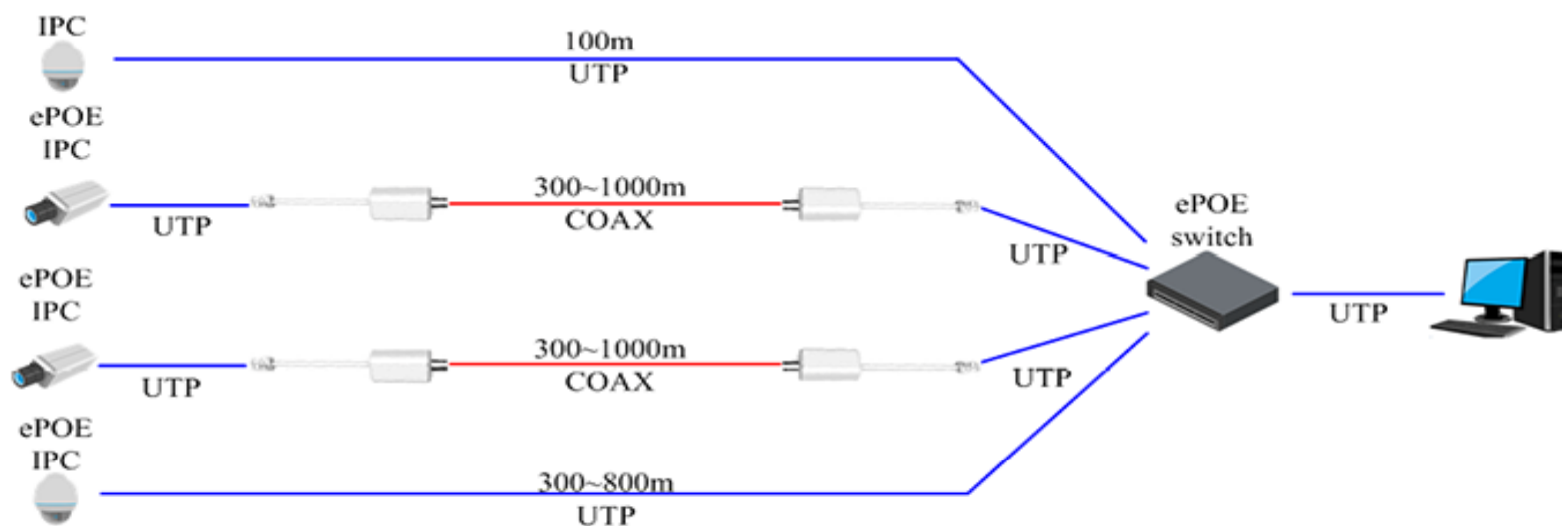






Test of 800m transmission over Cat5E cable

ePoE System (Network Cable)		
Cable (m)	Bandwidth (Mbps)	PoE Load Capability (W) (IEEE802.3af/at)
100	100	25.5
200	100	25.5
300	100	25.5
400	10	23
500	10	20
800	10	13



3. Single cable pair transmission lowers network cable fault rate.

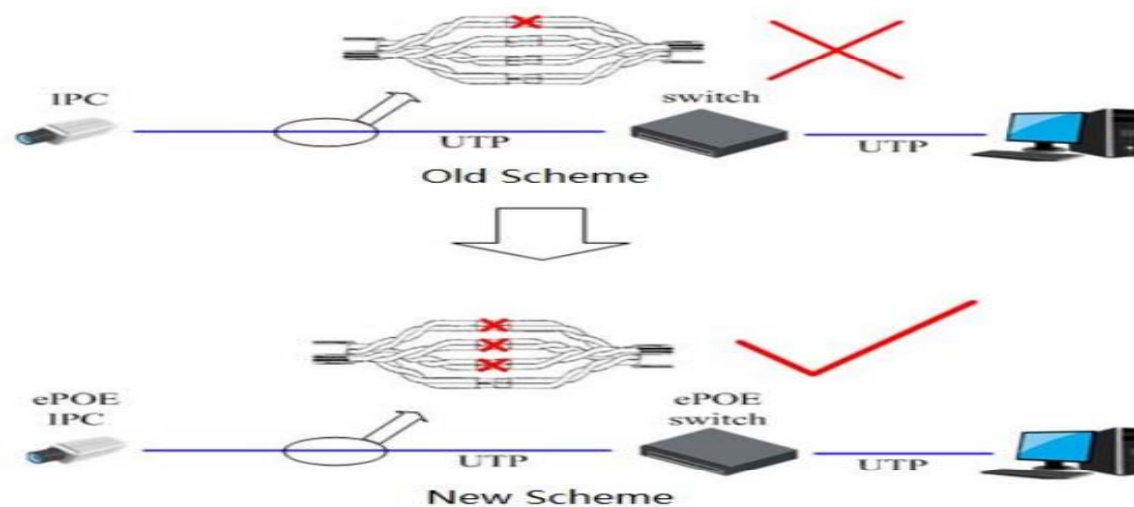
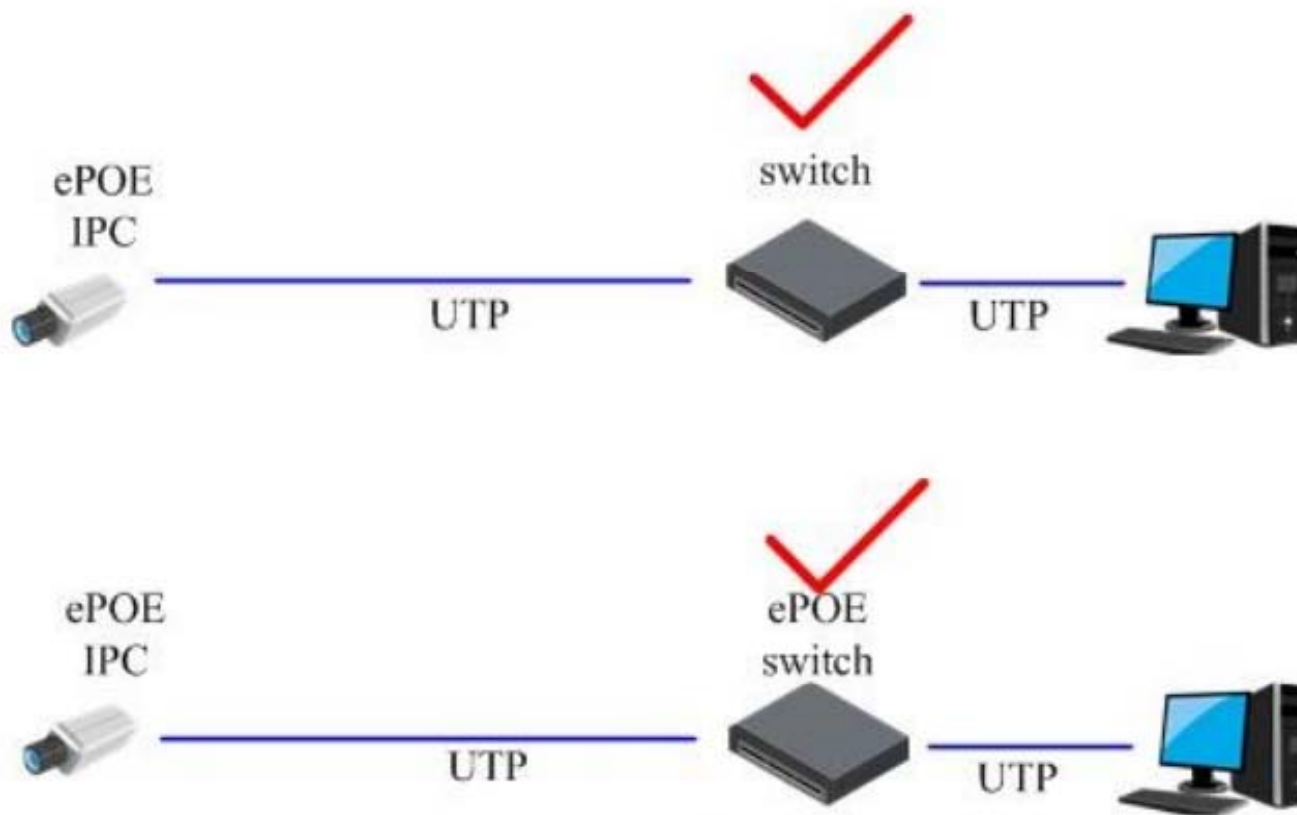


Figure 13 Advantage of ePoE IP System

Съвместимост IEEE, E100, E10



ePoE Switch

- Long distance PoE transmission up to 800 meters
- Self-adaptive transmission mode
- Non-blocking video transmission
- Wide temperature range
- High level lightning protection

ePoE Switch

	PFL2106-4ET-96
Model	
Fast/Gigabit Ethernet	4FE PoE+1GE PoE
SFP Slots	1GE SFP
Switching Capacity	6.8Gbps
Packet Forwarding Rate	3.57Mpps
Packet Buffer Memory	1Mb
MAC Table Size	8K
PoE Standard	PoE (802.3af), PoE+ (802.3at), Hi-PoE
PoE Budget	96W
Long Distance PoE Transmission	Yes (800 meters)
VLAN	--
Link Aggregation	--
Flow Control	Support
Spanning Tree	--
Management	--
Lightning Protection	Common Mode 4KV, Differential Mode 2KV
Working Temperature	-30°C~+65°C (-22°F~+149°F)
Dimensions	150×100×30mm (5.9"×3.9"×1.2")

PFL2106-4ET-96



100/1000M Base-X(SFP)

10/100/1000 Base-T

10/100 Base-T
(Hi-PoE/PoE+/PoE)

10/100 Base-T
(PoE+/PoE)



Data + Power long range over UTP



Three mode self-adaptive,
IEEE、E100、E10 modes



Network compatible, no configuration

PFL2106-4ET-96



800m

300m

100m

100m

Data + Power Hi-PoE

Data + Power IEEE

Data + Power E100

Data + Power E10



Transmission Performance:

Cable (m)	Bandwidth (Mbps)	PoE Load Capacity (W)	Hi-PoE Load Capacity (W)	Working Mode
100	100	25.5	53	IEEE/E100
200	100	25.5	33	E100
300	100	19	19	E100
400	10	17	17	E10
500	10	13	13	E10
800	10	7	7	E10

ePoE switch supply voltage 48V

CAT5E/CAT6, max. DC resistance < 10Ω/100m

Cable (m)	Bandwidth (Mbps)	PoE Load Capacity (W)	Hi-PoE Load Capacity (W)	Working Mode
100	100	25.5	53	IEEE/E100
200	100	25.5	47	E100
300	100	25.5	32	E100
400	10	23	26	E10
500	10	20	20	E10
800	10	13	13	E10

ePoE switch supply voltage 53V

CAT5E/CAT6, max. DC resistance < 10Ω/100m

LR1002

EoC Passive Converter



Features

- Supports IEEE802.3, IEEE802.3u standards
- Port: 1*RJ45 10/100Mbps, 1*BNC
- Supports RG59 coaxial cable: 400m/100Mbps, 1000m/10Mbps
- Supports MDI/MDIX self-adaption
- Supports long range power supply transmission via coaxial cable

Product Overview

LR1002 is designed to work as a type of converter from RJ45 to BNC port, which supports long range power supply transmission via coaxial cable. It provides one BNC coaxial port and one RJ45 port. The product is equipped with two transmission modes which are 100Mbps and 10Mbps.

LR1002-1ET/LR1002-1EC

Single-Port Long Reach Ethernet over Coax Extender



LR1002-1ET



LR1002-1EC

Product Overview

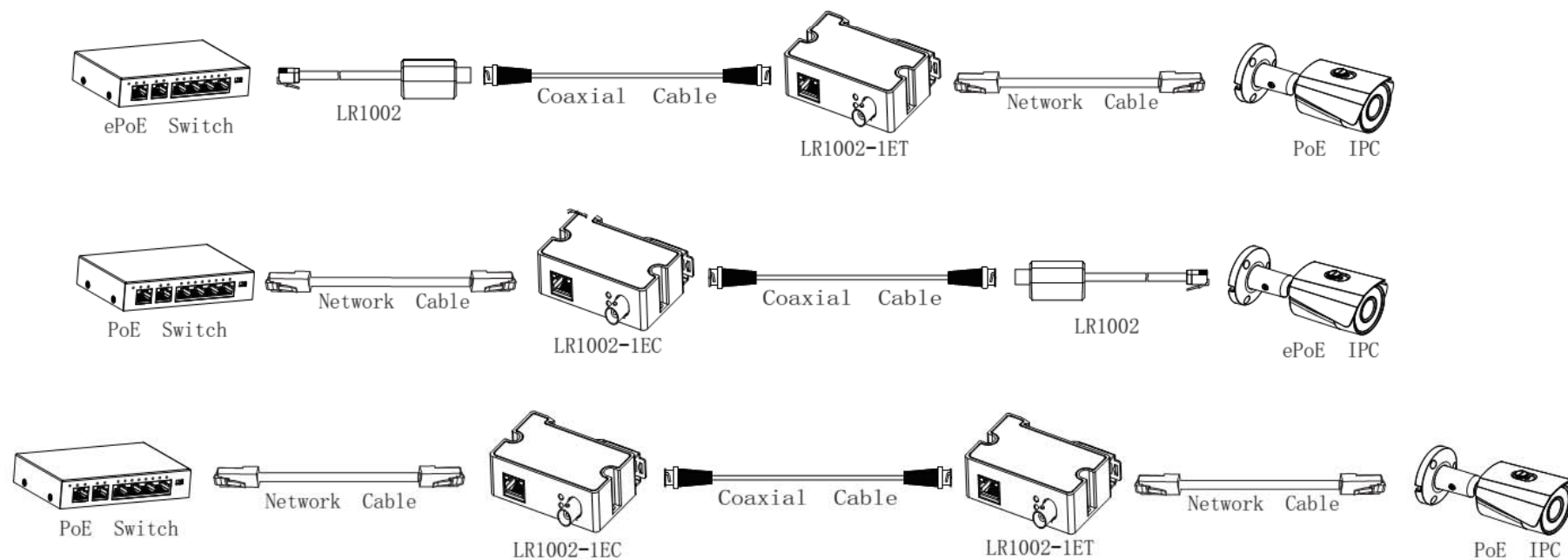
The product is divided into transmitter (LR1002-1ET) and receiver (LR1002-1EC). It is designed to work as a type of converter from RJ45 to BNC port, which supports long range power supply transmission via coaxial cable. It provides one BNC coaxial port and one RJ45 port. The product is equipped with two transmission modes which are 100Mbps and 10Mbps. It can be modified according to the transmission distance.

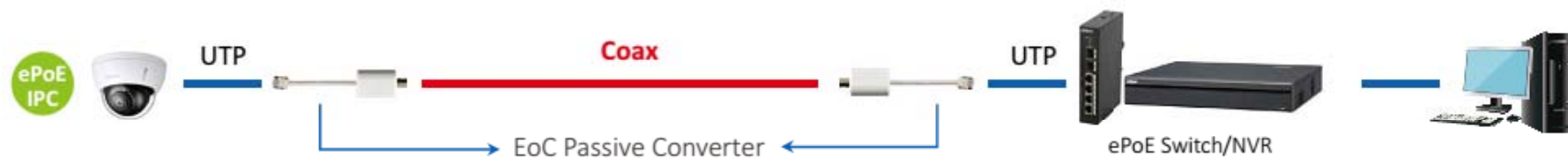
Features

- Supports IEEE802.3, IEEE802.3u standards
- Supports IEEE802.3af and IEEE802.3at power supply standards
- Port: 1*RJ45 10/100Mbps, 1*BNC
- Supports RG59 coaxial cable: 400m/100Mbps, 1000m/10Mbps
- Supports MDI/MDIX self-adaption
- Supports long range power supply transmission via coaxial cable

Cable Length (m)	Communication Bandwidth (Mbps)	PoE Max Load Capacity (W)	Hi-PoE Max Load Capacity (W)	Network Operating Mode	Take RG59 as an example (Max. DC resistance < 5.0Ω/100m)		
					LR1002-1ET/LR1002-1EC	Supports with 48V	Supports with 53V
100	100	25.5	50	IEEE/E100	100m	Bandwidth (Mbps)	100
						Load Capacity (W)	21
200	100	25.5	30	E100	200m	Bandwidth (Mbps)	100
						Load Capacity (W)	15
300	100	18	18	E100	300m	Bandwidth (Mbps)	100
						Load Capacity (W)	11
400	100	15	15	E100	400m	Bandwidth (Mbps)	100
						Load Capacity (W)	9
500	10	12	12	E10	500m	Bandwidth (Mbps)	10
						Load Capacity (W)	7
800	10	6	6	E10	800m	Bandwidth (Mbps)	10
						Load Capacity (W)	5
1000	10	5	5	E10	1000m	Bandwidth (Mbps)	10
						Load Capacity (W)	4

ePoE switch power supply voltage is 48V.
The cable is RG59 coaxial cable, 100m DC impedance is no more than 5Ω.





Test of 800m transmission over RG59 cable

ePoE System (RG-59)		
Cable (m)	Bandwidth (Mbps)	PoE Load Capability (W) (IEEE802.3af/at)
100	100	25.5
200	100	25.5
300	100	25.5
400	100	20
500	10	16
800	10	10
1000	10	8



IPC-HFW5831E-ZE/Z5E

IPC-HDBW5831E-ZE/Z5E

IPC-HFW5831R-ZE

IPC-HDW5831R-ZE

IPC-HFW5631E-ZE/Z5E

IPC-HDBW5631E-ZE/Z5E

IPC-HFW5631R-ZE

IPC-HDW5631R-ZE

IPC-HF5431E-E

IPC-HFW5431E-ZE/Z5E

IPC-HDBW5431E-ZE/Z5E

IPC-HFW5431R-ZE

IPC-HDW5431R-ZE

IPC-HF5231E-E

IPC-HFW5231E-ZE/Z5E/Z12E

IPC-HDBW5231E-ZE/Z5E

IPC-HFW5231R-ZE

IPC-HDW5231R-ZE



IPC-HFW4831E-SE

IPC-HDBW4831E-ASE

IPC-HDW4831EM-ASE

IPC-HFW4631E-SE

IPC-HDBW4631E-ASE

IPC-HDW4631EM-ASE

IPC-HFW4431E-SE

IPC-HDBW4431E-ASE

IPC-HDW4431EM-ASE

IPC-HFW4231E-SE

IPC-HDBW4231E-ASE

IPC-HDW4231EM-ASE



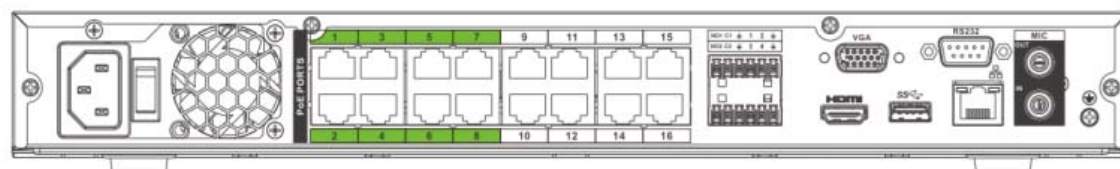
NVR5216-16P-4KS2E



NVR5416-16P-4KS2E



NVR5816-16P-4KS2E



8 green ePoE ports

Coming soon in the 4th
quarter 2017...

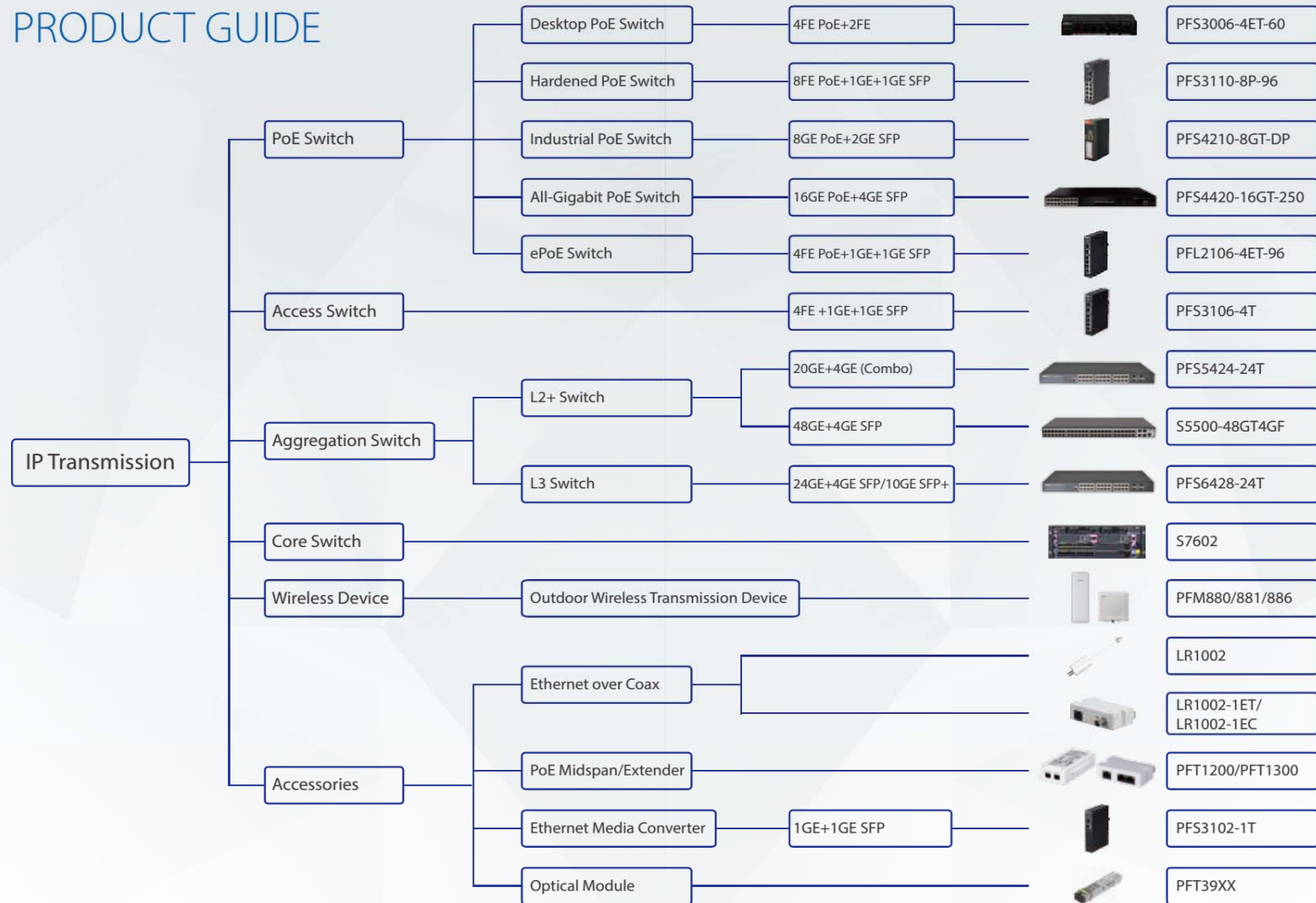
ePoE NVR

- Long distance PoE transmission up to 800 meters
- 1-8 PoE ports support ePoE & EoC
- Powerful processor: ARM Cortex A17 Quad Core CPU
- Advanced Smart H.265+ to save up to 70% bandwidth and storage
- Outstanding decoding capacity up to 4ch@4K/16ch@1080P
- Fisheye Dewarp, ANPR, POS, Easy4ip
- Advanced intelligent functions: IVS/Face Detection with smart IPC

ePoE NVR

	8HDD 4K & H.265 ePoE NVR		
	NVR5816-16P-4KS2E	NVR5832-16P-4KS2E	NVR5864-16P-4KS2E
Model			
Processor	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
IP Video Inputs	16 channel	32 channel	64 channel
Max Input/Record	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps
Max Decoding	4ch@4K/16ch@1080P	4ch@4K/16ch@1080P	4ch@4K/16ch@1080P
Display	2HDMI, 2VGA	2HDMI, 2VGA	2HDMI, 2VGA
Max HDD	8x10TB	8x10TB	8x10TB
RAID	--	--	--
eSATA/Mini SAS	1/-	1/-	1/-
Audio In/Out	1/2, 2-way	1/2, 2-way	1/2, 2-way
Alarm In/Out	16/6	16/6	16/6
Ethernet	1 Gigabit Ports	1 Gigabit Ports	1 Gigabit Port
PoE	16 Ports (IEEE802.3at/af), 150W 1-8 PoE Ports for ePoE & EoC	16 Ports (IEEE802.3at/af), 150W 1-8 PoE Ports for ePoE & EoC	16 Ports (IEEE802.3at/af), 150W 1-8 PoE Ports for ePoE & EoC
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC100V~240V <17.5W(Without HDD)	AC100V~240V <17.5W(Without HDD)	AC100V~240V <17.5W(Without HDD)
Intelligent Video	Tripwire, Intrusion Abandoned/Missing Scene Change, Face Detection People Counting, Heat Map	Tripwire, Intrusion Abandoned/Missing Scene Change, Face Detection People Counting, Heat Map	Tripwire, Intrusion Abandoned/Missing Scene Change, Face Detection People Counting, Heat Map
Star Features	Fisheye Dewarp, ANPR, POS Easy4ip, Plug & Play	Fisheye Dewarp, ANPR, POS Easy4ip, Plug & Play	Fisheye Dewarp, ANPR, POS Easy4ip, Plug & Play

PRODUCT GUIDE



PoE Switch				
	Desktop PoE Switch			
Model	PFS3005-4P-58	PFS3006-4ET-60 ★	PFS3008-8ET-60 ★	
				
Fast/Gigabit Ethernet	4FE PoE+1FE	4FE PoE+2FE	4FE PoE+4FE	
PoE Switch				
	Hardened PoE Switch			
Model	PFS3106-4P-60 ★	PFS3206-4P-96/120 ★	PFS4206-4P-96/120	PFS3110-8P-96 ★
				
Fast/Gigabit Ethernet	4FE PoE+1GE	3FE PoE+1GE PoE	3FE PoE+1GE PoE	8FE PoE+1GE
PoE Switch				
	Industrial PoE Switch			
Model	PFS4210-8GT-DP	PFS4410-6GT-DP	PFS3106-4GT-DP	PFS3210-8ET-DP
				
Fast/Gigabit Ethernet	8GE PoE	6GE PoE	4GE PoE+1GE	8FE PoE+2GE(Combo)

