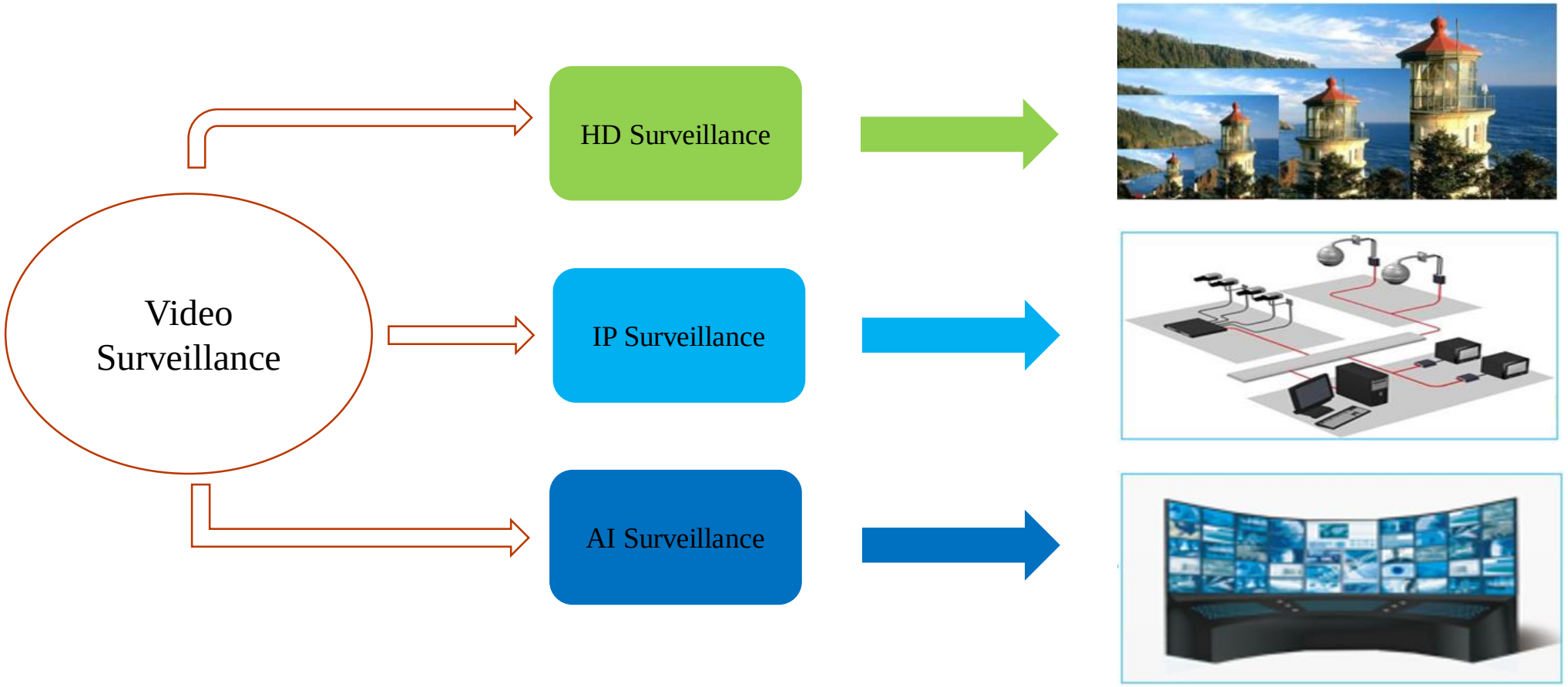
Tenda

Tenda PoE Switches

All for better networking.

Content

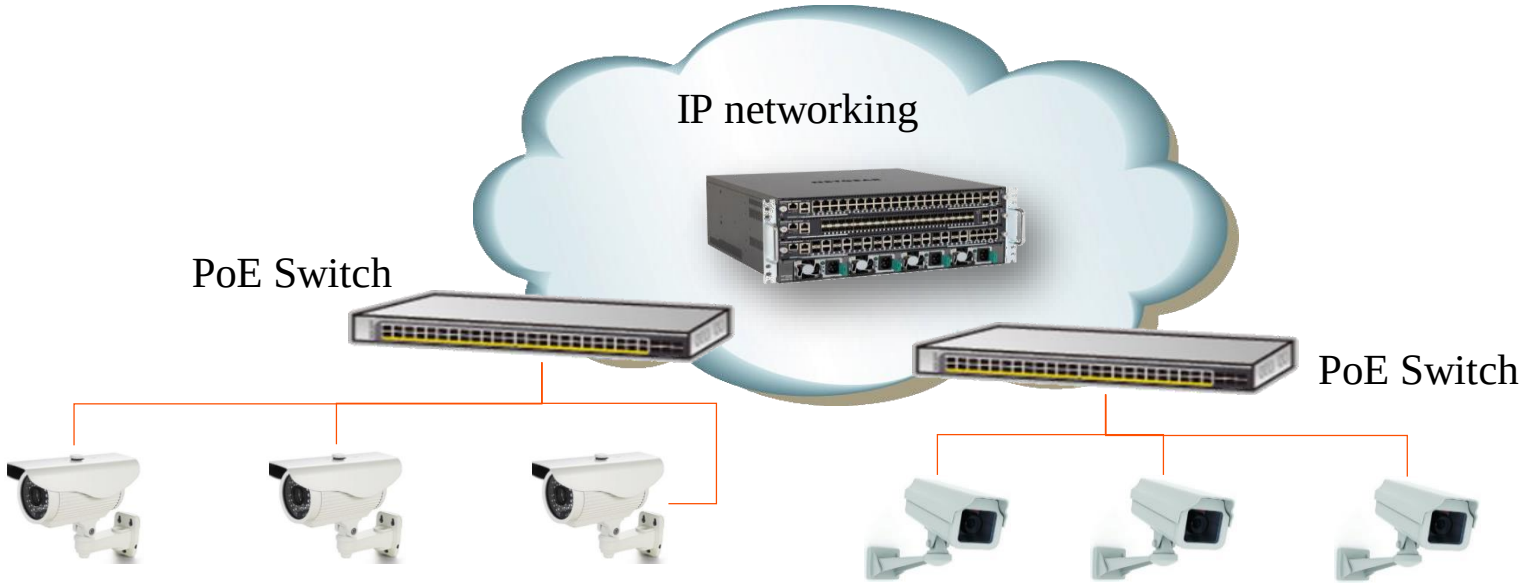
Video surveillance system development trend



Performance requirements

- Low delay
- No packet loss, no frame loss
- Stable power supply
- Adapt to harsh environments
- Large bandwidth of uplink ports
- High reliability

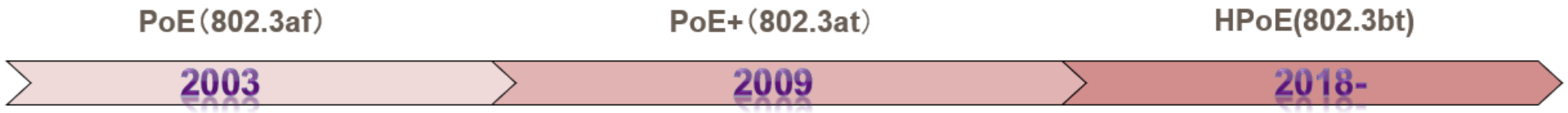
IP surveillance solution



Advantage: IP surveillance system deployment is simpler, more flexible, safer and more cost effective

PoE over Ethernet (PoE)

PoE (Power over Ethernet) refers to some IP-based terminals (such as IP phones, WLAN access points AP, network cameras) without any changes to the existing Ethernet Cat.5 cabling infrastructure. While transmitting data signals, it can also provide DC power for such devices.



11n AP

11ac AP

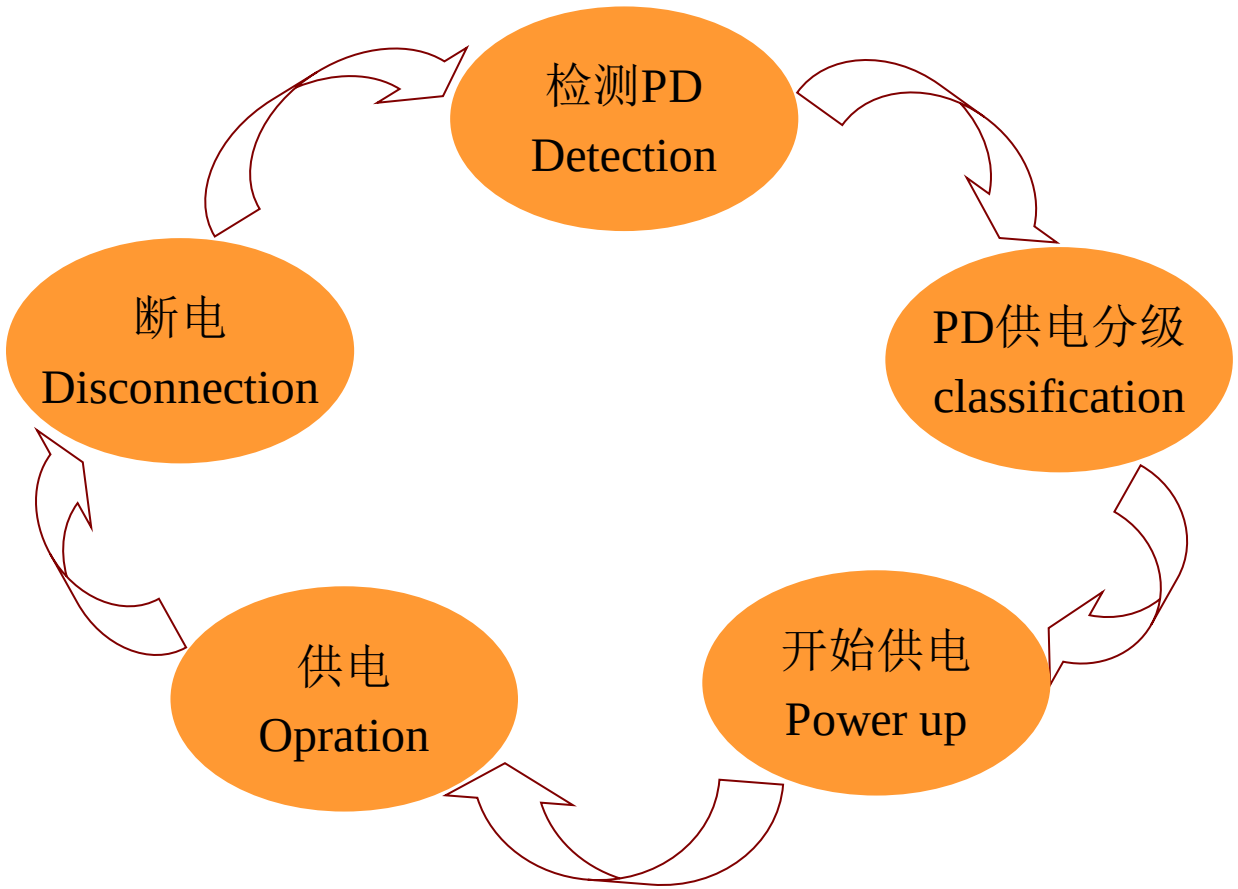
Terminal

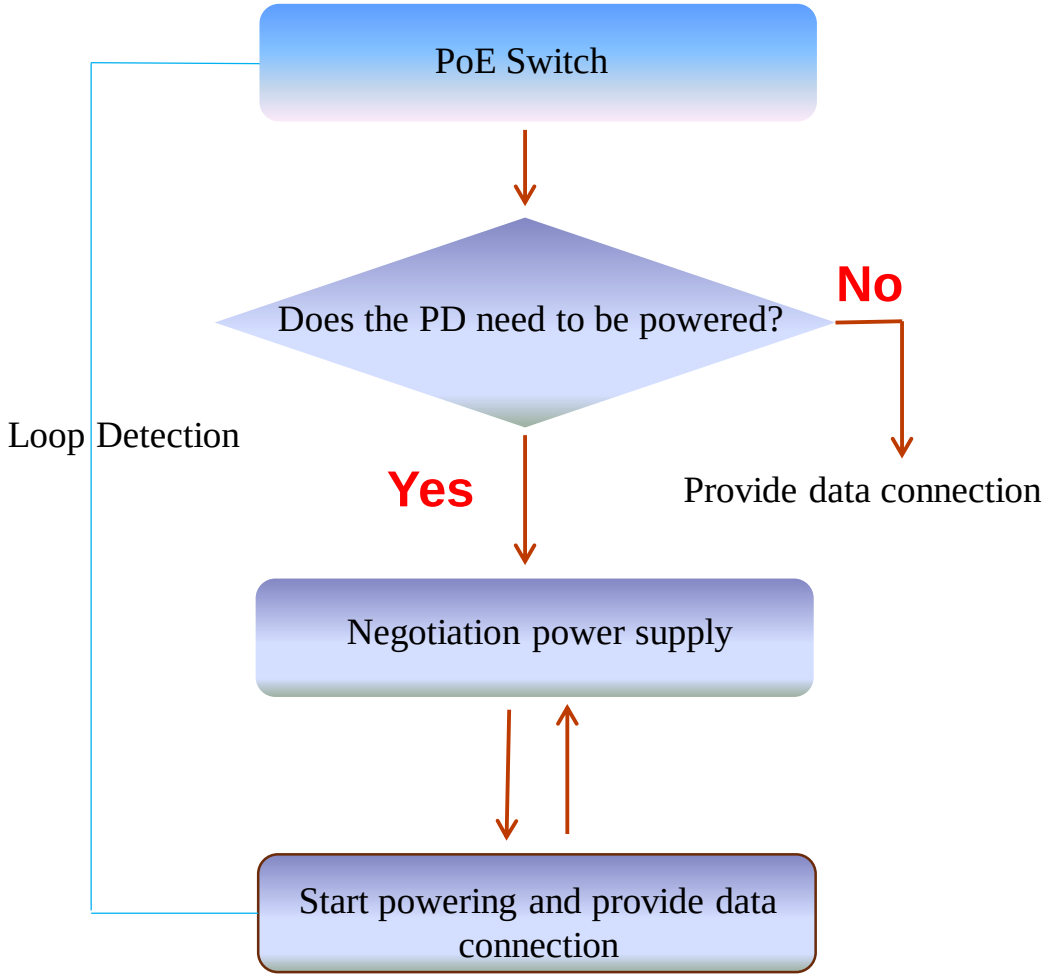
VoIP

HD surveillance

Video wall

The process of PoE power supply





The standards of PoE power supply

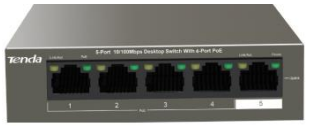
Protocol	802.3af	802.3at（PoE+）
classification	0~3	0~4
Maximum current	350mA	600mA
Output voltage(PSE)	44~57V DC	50~57V DC
Output Power(PSE)	≤15.4W	≤30W
Input voltage(PD)	36~57V DC	42.5~57V DC
Maximum power(PD)	12.95W	25.5W

Content

Tenda PoE un-managed switches

1000M

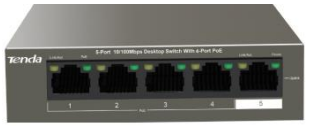
TEG1105P-4-63W
4*PoE Ports
5* GE RJ45 Ports
AF/AT
MAX PoE 58W



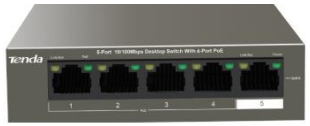
TEG1009P-EI
8*PoE Ports
9* GE RJ45 Ports
AF/AT
MAX PoE 99W

100M

TEF1105P-4-38W
4*PoE Ports
5 FE RJ45 Ports
AF
MAX PoE 35W



TEF1105P-4-63W
4*PoE Ports
5 FE RJ45 Ports
AF/AT
MAX PoE 58W



TEF1109P-8-63W
8*PoE Ports
9 FE RJ45 Ports
AF/AT
MAX PoE 58W

4 ports

8 ports

Tenda PoE un-managed switches

1000M

TEG1116P-16-150W
16*PoE Ports
16*GE RJ45 Ports
AF/AT
MAX PoE 135W

TEG1124P-24-250W
8*PoE Ports
9* GE RJ45 Ports
AF/AT
MAX PoE 225W

100M

TEF1110P-8-102W
8*PoE Ports
2*GE RJ45 Ports
AF/AT
MAX PoE 99W

TEF1118P-16-150W
16*PoE Ports
1*GE/SFP Combo
AF/AT
MAX PoE 135W

TEF1126P-24-250W
24*PoE Ports
1*GE/SFP Combo
AF/AT
MAX PoE 225W

8 ports

16 ports

24 ports

Tenda PoE managed switches

1000M

TEG3210P
8(GE)*PoE Ports
2*SFP
AF/AT
MAX PoE 115W

TEG3224P
24(GE)*PoE Ports
4*SFP Combo
1*Consle Port
AF/AT
MAX PoE 370W

100M

TEF1210P-8-150W
8(FE)*PoE Ports
2*GE/SFP Combo
AF/AT
MAX PoE 123W

TEF1218P-16-250W
16(FE)*PoE Ports
2*GE/SFP Combo
AF/AT
MAX PoE 230W

TEF1226P-24-440W
24(FE)*PoE Ports
2*GE/SFP Combo
AF/AT
MAX PoE 370W

8 ports

16 ports

24 ports

Tenda PoE un-managed switches

1000M

TEG1109P-8-102W
8(GE)*PoE Ports
9* GE RJ45 Ports
AF/AT
MAX PoE 92W

New

100M

TEF1109P-8-102W
8(FE)*PoE Ports
9* FE RJ45 Ports
AF/AT
MAX PoE 92W

TEF1109TP-8-102W
8(FE)*PoE Ports
1* GE Uplink Port
AF/AT
MAX PoE 92W

New

8 ports

Content

Installation Scenes

Hotel

Factory

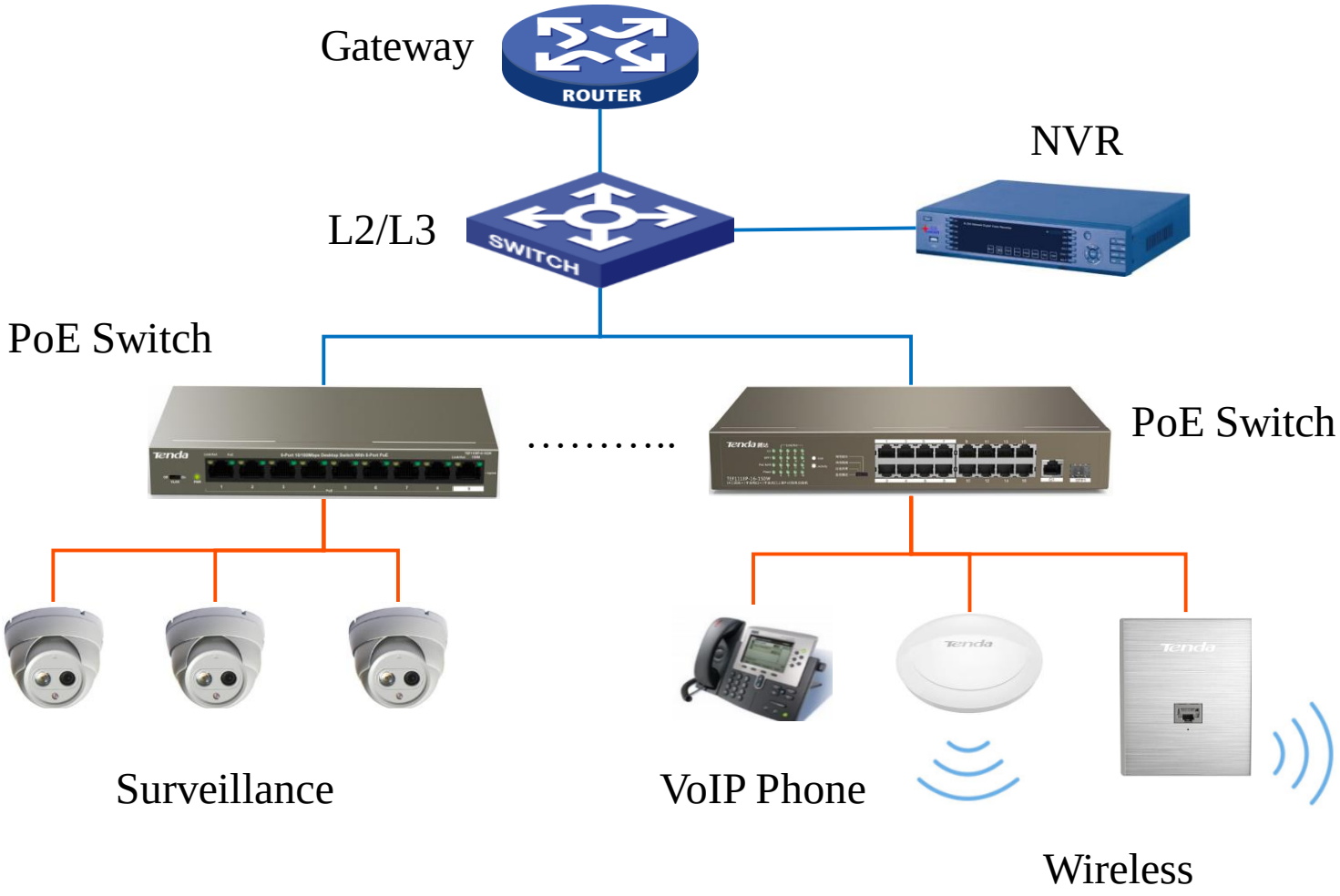
Installation Scenes

Store

School

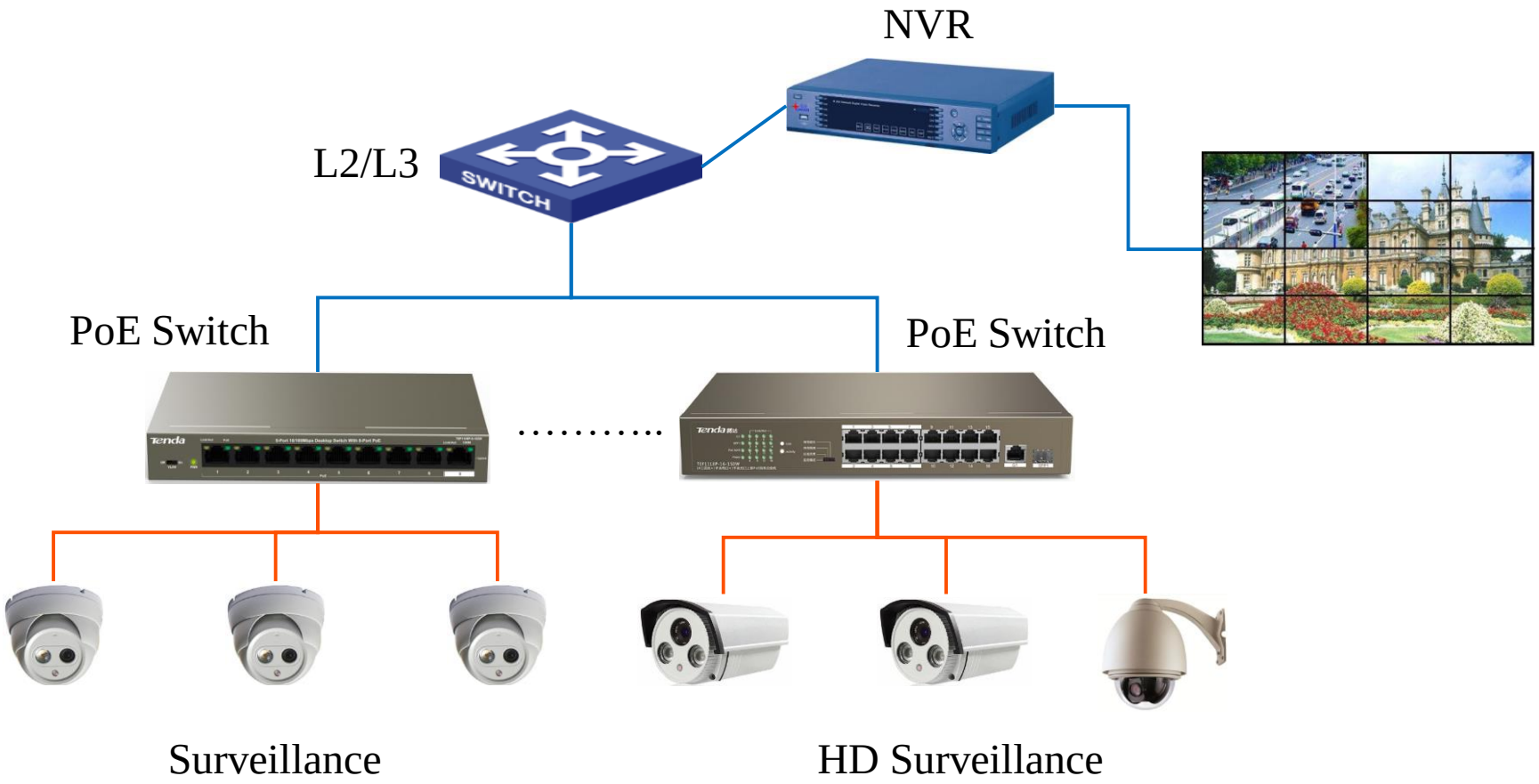
For Hotel

PoE
Data



For Factory

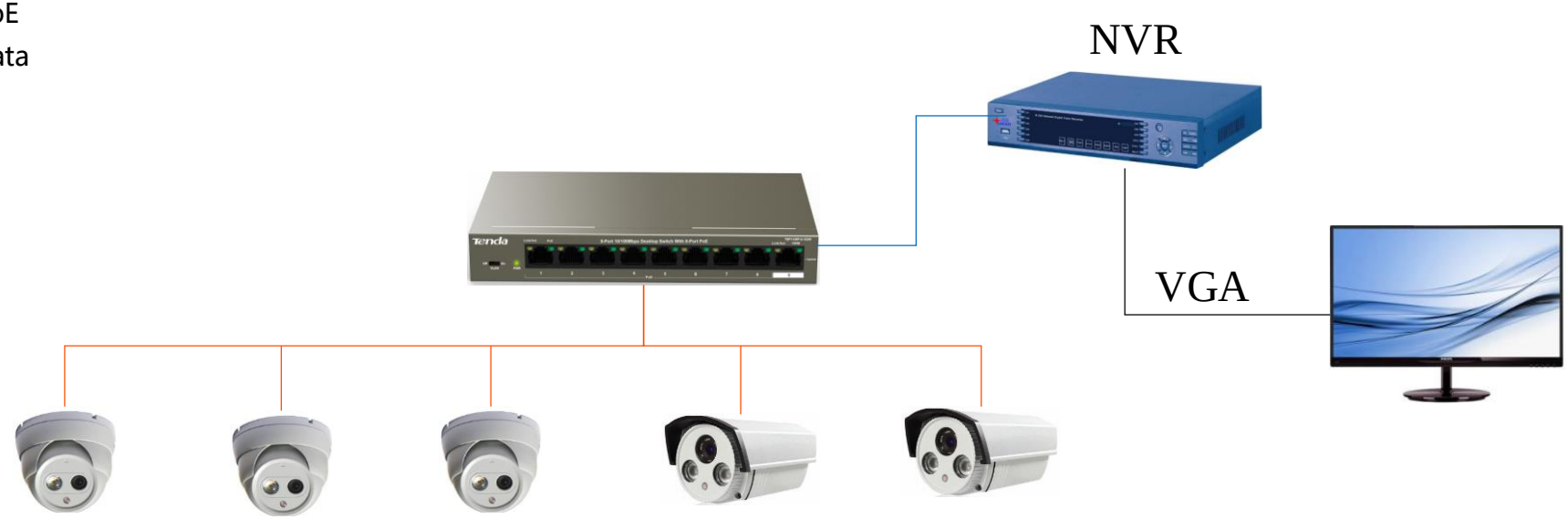
PoE
Data



For Store

PoE

Data

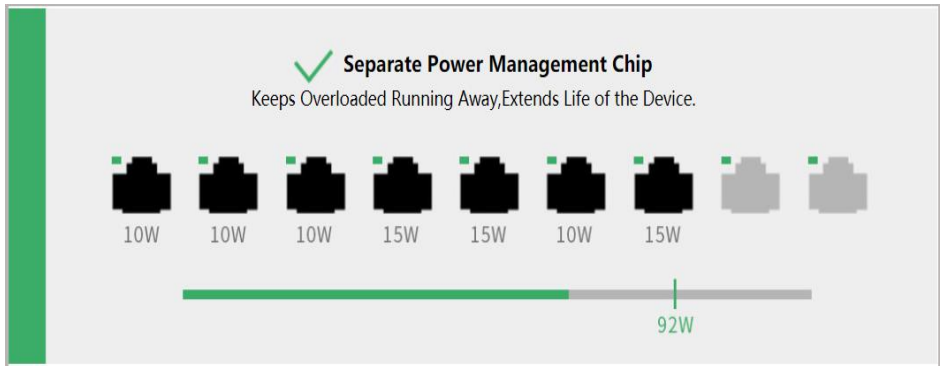


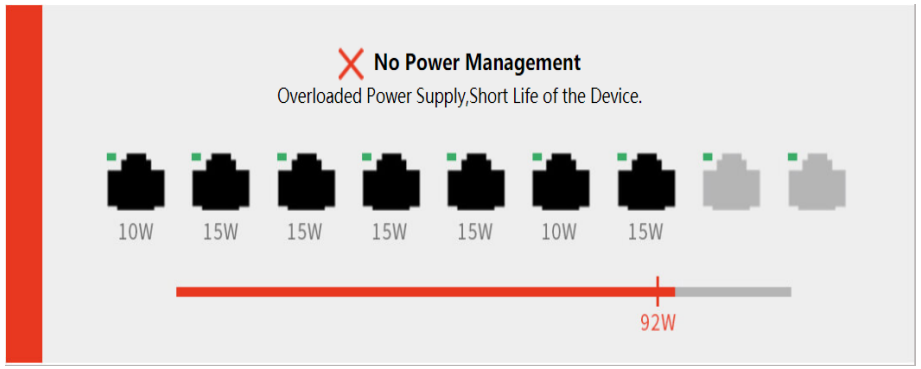
Surveillance

Content

1、Smart PoE Supply

Integrated with Smart Power Management Chip Makes the Switch Get Rid of Overload

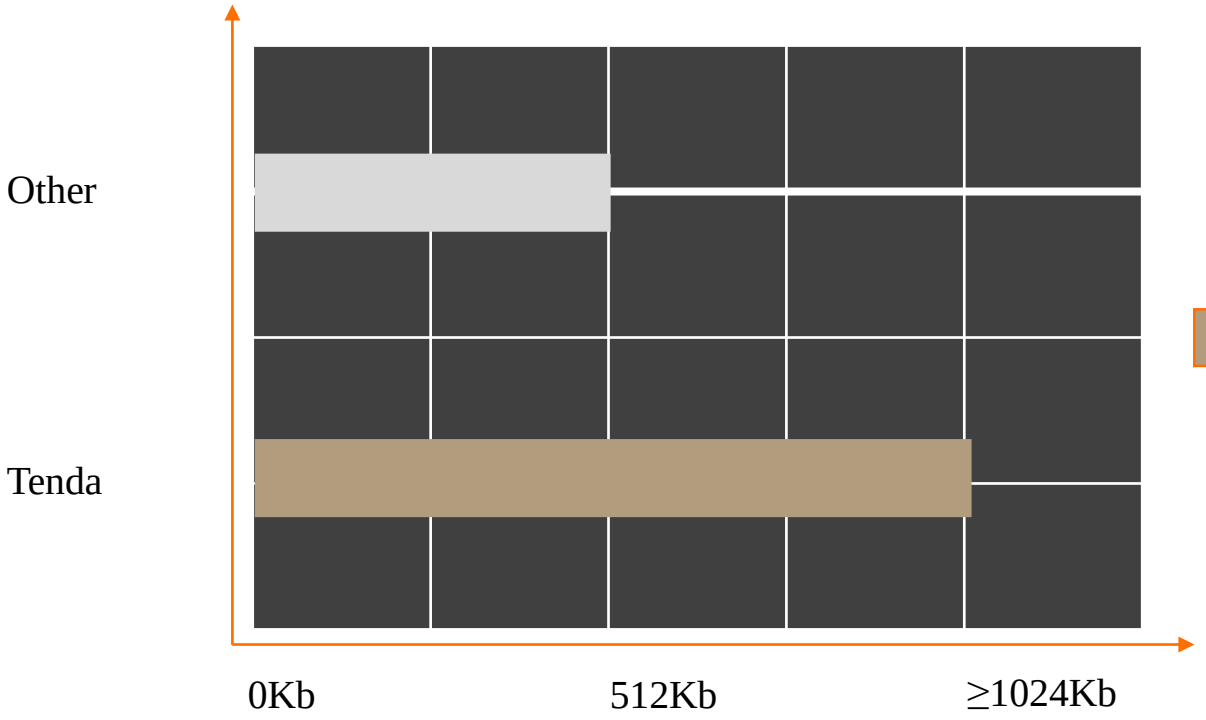




It includes chips with smart power management function and integrated professional chip control algorithm, which can accurately calculate the output power. When the power of the receiving equipment exceeds the rated power of the PoE switch, the low priority port will automatically power off to avoid the over-run of the equipment and prolong the service life of the equipment.

2、Large Cache Design

Equipped with large packet buffer, it ensures smooth streaming even when eight HD IP cameras of 500W are working simultaneously.



HD Video viewing is smooth and stable

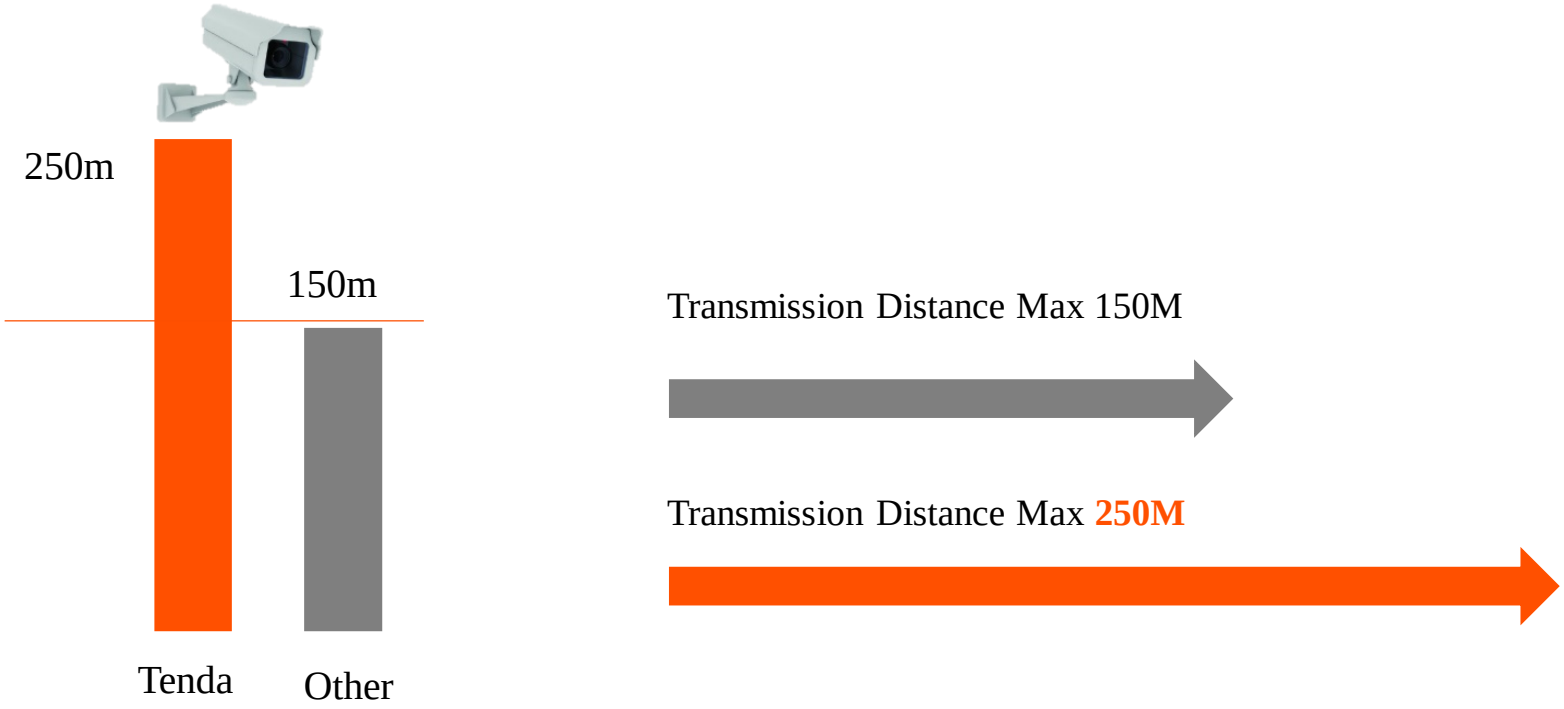
3、Excellent Lightning Protection

The switch supports 6 kV lightning protection for uplink port, protecting the switch from thunderstorms and making it more stable.

* 6KV surge protection protects all Ethernet ports from port damage due to power surges or lightning strikes. Improve network reliability and reduce maintenance costs.

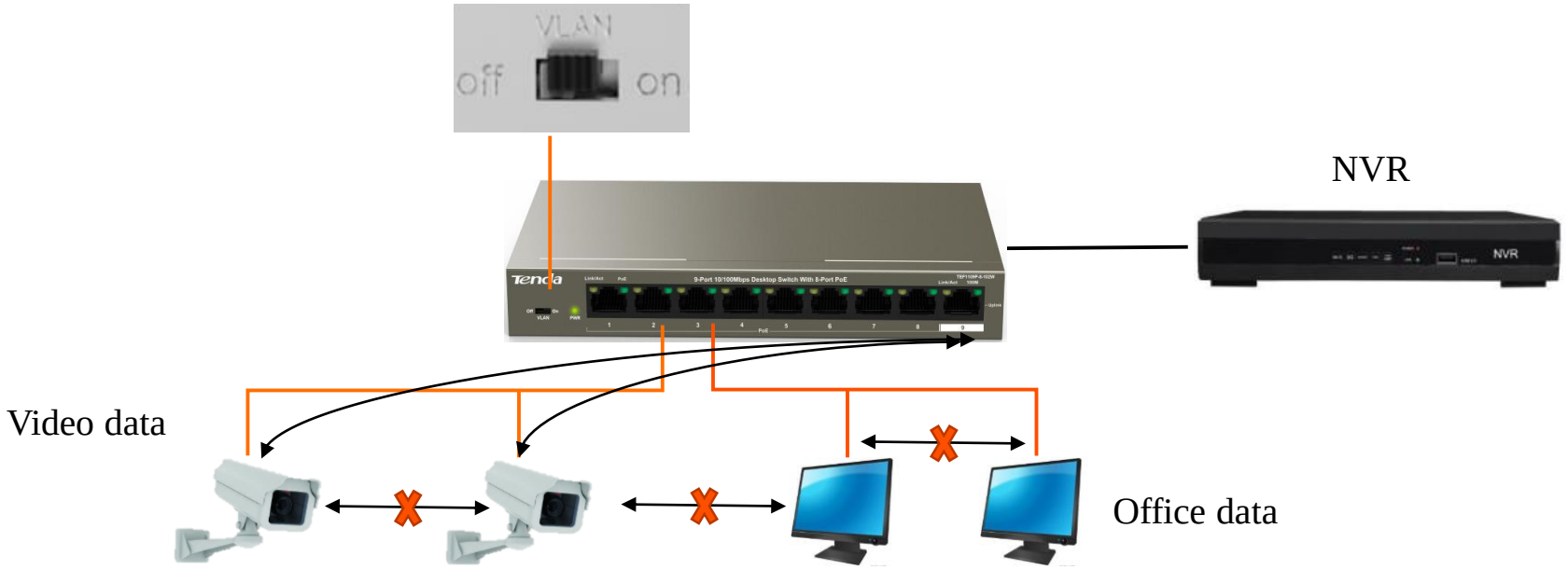
4、 250m Long Distance Transmission

With the extension technology,data can be transmitted through 250 meters cable which would be a cost-effective replacement for extenders and optical fibers.



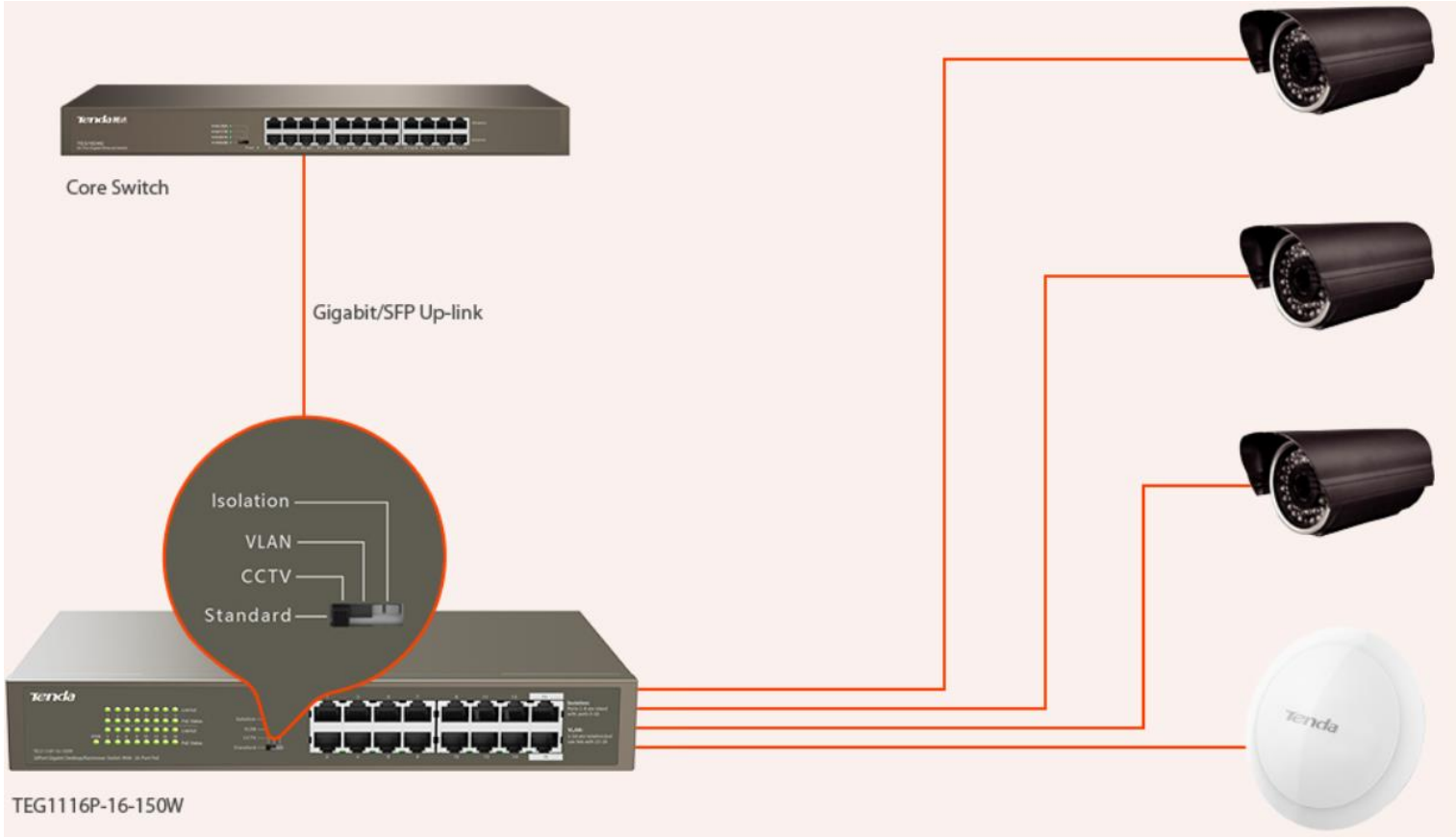
5、VLAN mode

eg: When TEF1109P is enabled to VLAN mode, ports 1 to 8 are isolated from each other, enabling the switch to isolate broadcast storm, improving LAN security and data transmission.



6、CCTV mode

CCTV: the port cache is optimized and PoE ports 1-8 have higher priorities over the other ports. All the ports of the switch can communicate with each other.



Content

Comparison

Model	Tenda TEF1105P-4-38W	Tenda TEF1105P-4-63W	TP TL-SF1005P
Product Appearance			
Interface	4*FE（PoE）+1*FE uplink	4*FE（PoE）+1*FE uplink	4*FE（PoE）+1*FE uplink
PoE standard	802.3af	802.3af/at	IEEE 802.3af
PoE power output	35W	58W	58W
Certification	3C、FCC、CE、RHOS	3C、FCC、CE、RHOS	FCC, CE, RoHS
Lightning Protection	6KV for ports	6KV for ports	/
Features	**Standard mode & extend mode**	**Standard mode & extend mode**	/

Comparison

Model	Tenda TEF1109P-8-102W	TP TL-SF1009PH
Product Appearance		
Interface	9 10/100M ports	9 10/100M ports
Exchange Capacity	1.8Gbps	1.8Gbps
Packet forwarding rate	1.34Mpps	1.34Mpps
Packet buffer	1024Kb	512Kb
PoE standard	IEEE 802.3af/at	IEEE 802.3af/at
PoE power output	92W	80W
Lightning Protection	6KV(uplink port) & 4KV(power)	/
Features	**Standard mode & Vlan mode & extend mode**	Standard mode & extend mode

Comparison

Model	Tenda TEF1109TP-8-102W	D-link DES-1009P+
Product Appearance		
Interface	8 10/100M ports & 1 10/100/1000M port	8 10/100M ports & 1 10/100/1000M port
Exchange Capacity	3.6Gbps	3.6Gbps
Packet forwarding rate	2.68Mpps	2.68Mpps
Packet buffer	1024Kb	/
PoE standard	IEEE 802.3af/at	IEEE 802.3af/at
PoE power output	92W	80W
Lightning Protection	6KV(uplink port) & 4KV(power)	/
Features	**Standard mode & Vlan mode & Extend mode**	Standard mode & Vlan mode

Comparison

Model	Tenda TEG1109P-8-102W	TP TL-SG1009PH
Product Appearance		
Interface	9 10/100/1000M ports	9 10/100/1000M ports
Exchange Capacity	18Gbps	18Gbps
Packet forwarding rate	13.39Mpps	13.39Mpps
Packet buffer	2048Kb	/
PoE standard	IEEE 802.3af/at	IEEE 802.3af/at
PoE power output	92W	76W
Lightning Protection	6KV(uplink port) & 4KV(power)	/
Features	**Standard mode & Vlan mode**	/

Comparison

Model	Tenda TEG3224P	TP T2600G-28MPS（TL-SG3424P）
Product Appearance		
Interface	24*GE(PoE) + 4*SFP	24*GE(PoE) + 4*SFP
PoE standard	IEEE 802.3at、IEEE 802.3af	IEEE 802.3at、IEEE 802.3af
PoE power output	370W	384W
Certification	3C、FCC、CE、RHOS	FCC、CE、RHOS
Lightning Protection	6KV for ports and 6KV for power	/
Features	**Web/Telnet/SNMP/IGMP/STP**	**Web/Telnet/SNMP**

THANK YOU