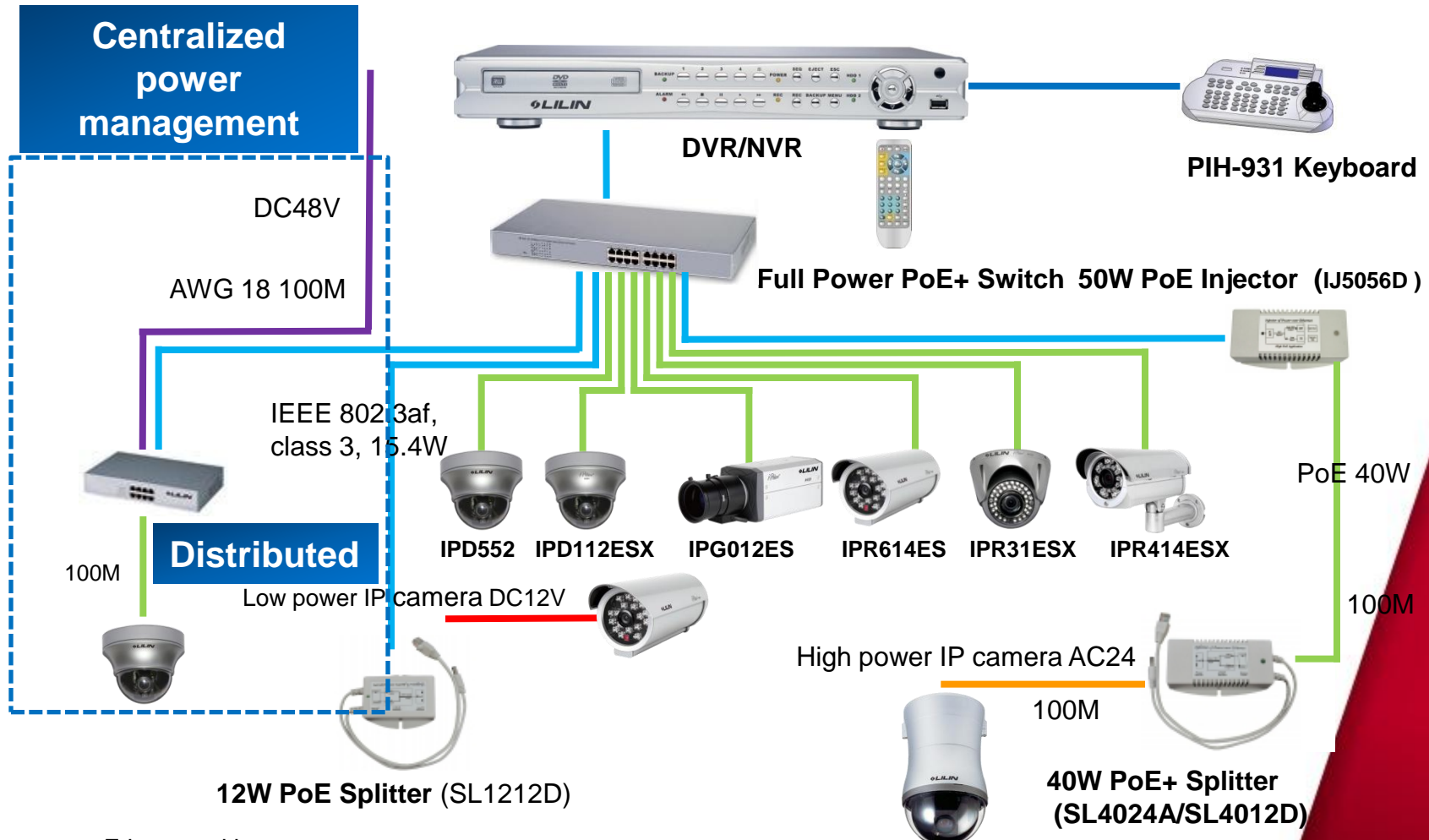


LILIN PoE Solution

2014/09/21

LAS-102

PoE Technology



- Ethernet with no power
- Ethernet with 48VDC
- 12VDC
- 24VAC
- 48VDC

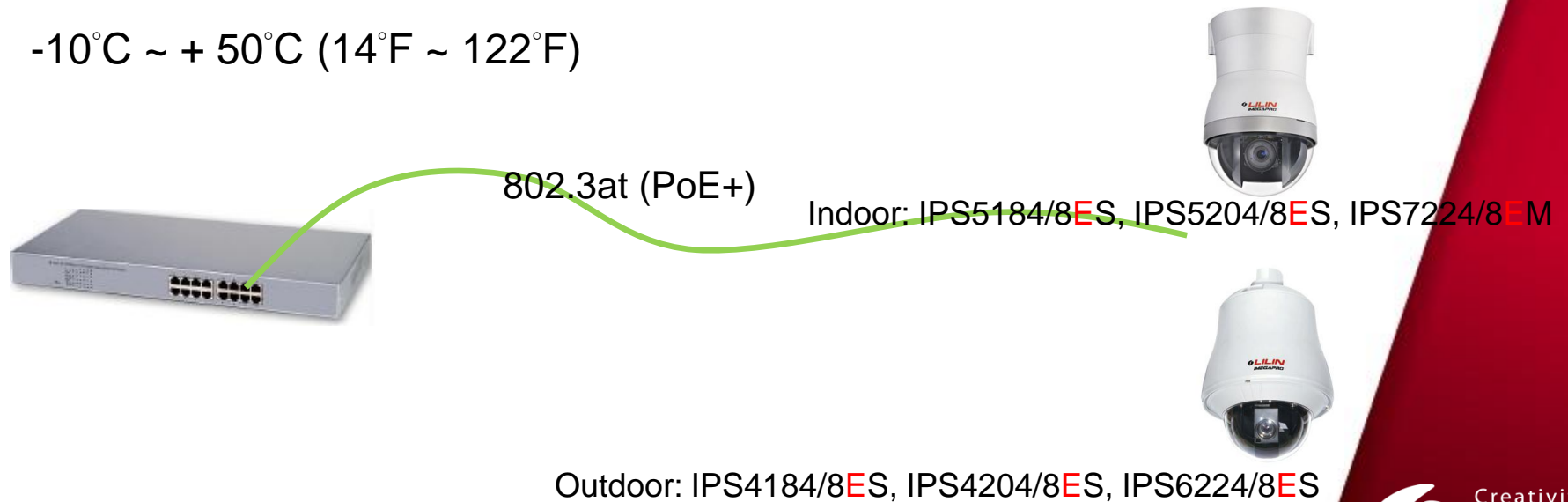
IPS125/130/135 (H.264)

Recommended PoE PTZ Selection Guide

-40°C ~ + 50°C (-40°F ~ 122°F)

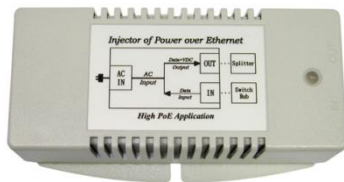


-10°C ~ + 50°C (14°F ~ 122°F)



Full HD PoE PTZ Cameras

- IPS4, 5, 6, and 7 series, PoE+ model available
- Dual voltage power supplier: 24vac + PoE or full range + PoE model available.
- **When PTZ PoE power is used solely, the heater is disabled.**
- The operation temperature is $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$ ($14^{\circ}\text{F} \sim 122^{\circ}\text{F}$), if PoE is used.
- The operation temperature is $-40^{\circ}\text{C} \sim +50^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim 122^{\circ}\text{F}$) if 24vac or full range power is used.
- If $-40^{\circ}\text{C} \sim +50^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim 122^{\circ}\text{F}$) is a must, use IJ5056 (50W) and SL4012D/SL4024A.
- **Do not use IJ5056 injector to power PoE PTZ.**
- **Use IEEE 802.3at or PoE+ switch to power PoE PTZ**



IJ5056



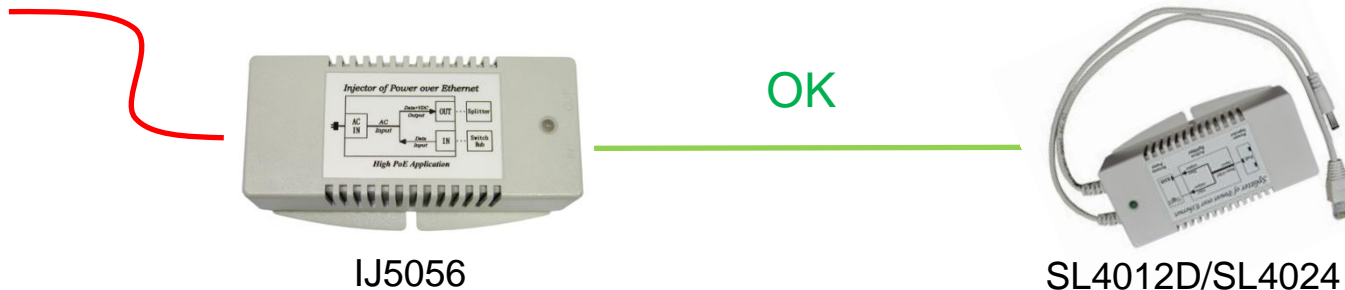
IPS4, 5, 6, or 7 PoE series

IJ5056 Injector and PoE Splitters

- IJ5056 is a PoE injector (50W).
- SL4012D is a PoE splitter (40W) with DC12V output.
- SL4024A is a PoE splitter (40W) with AC24V output.
- IJ5056 and SL4012D/SL4024A must use **as a pair** for powering DC12V/AC24V (40W) device.

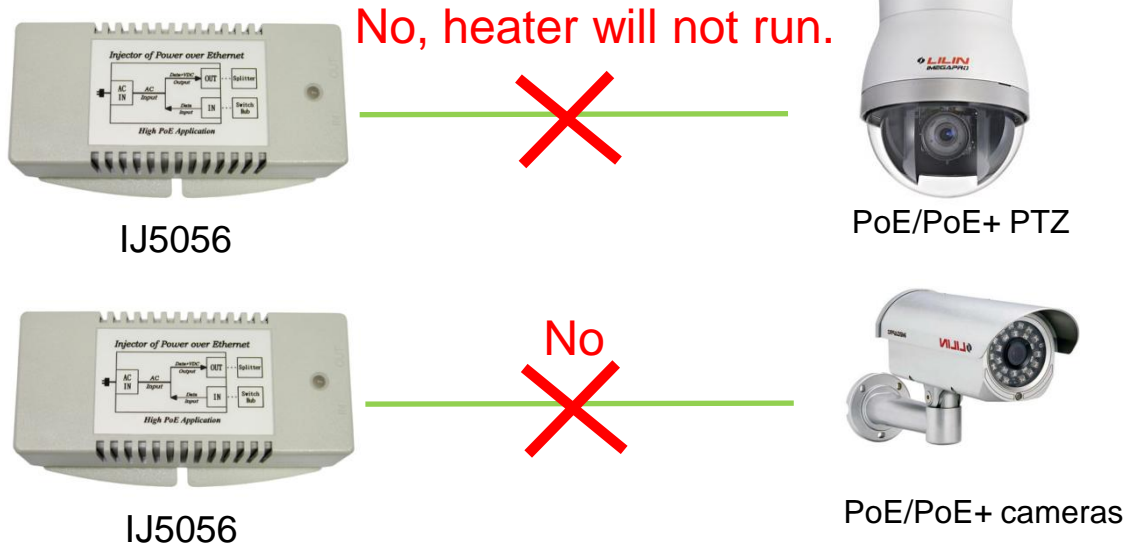
Input: AC110~220V

Output: DC12V or SL4024A 40W



IJ5056 PoE SL4024A

- High power injector, IJ5056 (50W) can only support SL4024A or SL4012D for powering devices, not for other LILIN PoE cameras.



Elevator Installation



Coaxial cable 0.6 mm inner conductor

Data: 50 Mbps, Power: 13 W with 100 m

Data: 50 Mbps, Power: 11 W with 500 m

Telephone line/bell wire 0.8 mm

with 50 m Data: 50 Mbps,

Power: 13 W with 100 m Data: 50 Mbps,

Power: 13 W with 200 m Data: 50 Mbps,

Cat-7

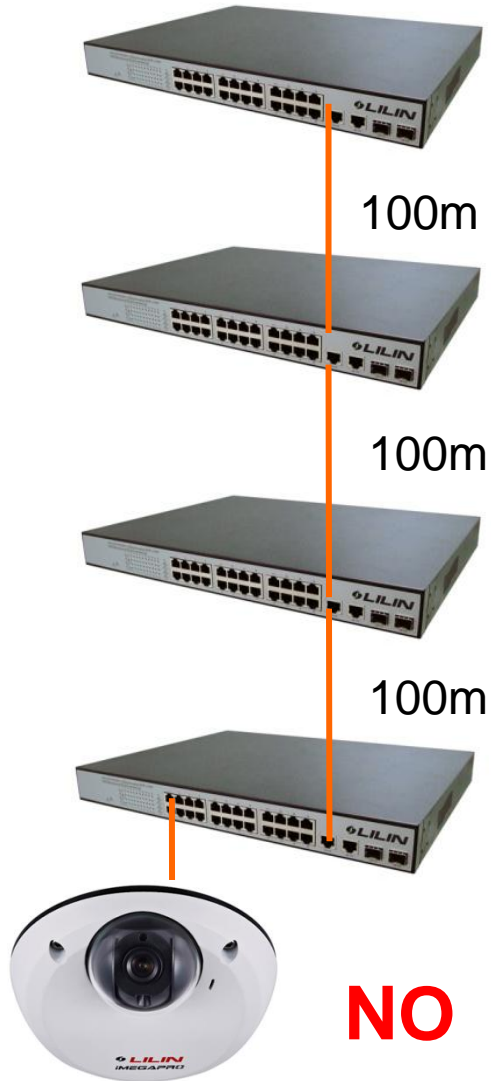
with 200 m Data: 50 Mbps, Power: 13 W

with 300 m Data: 50 Mbps, Power: 13 W

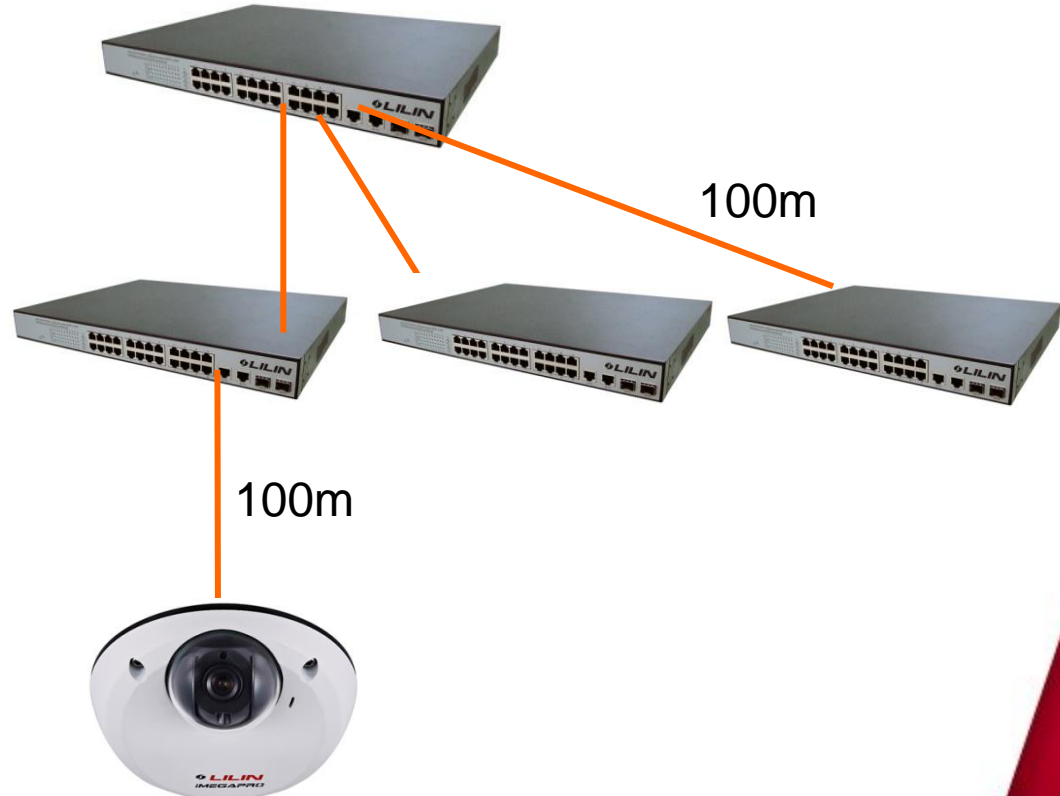
with 500 m Data: 45 Mbps, Power: 12 W

Warning: Please ask certified elevator installer for installing IP cameras.

Latency of Switches

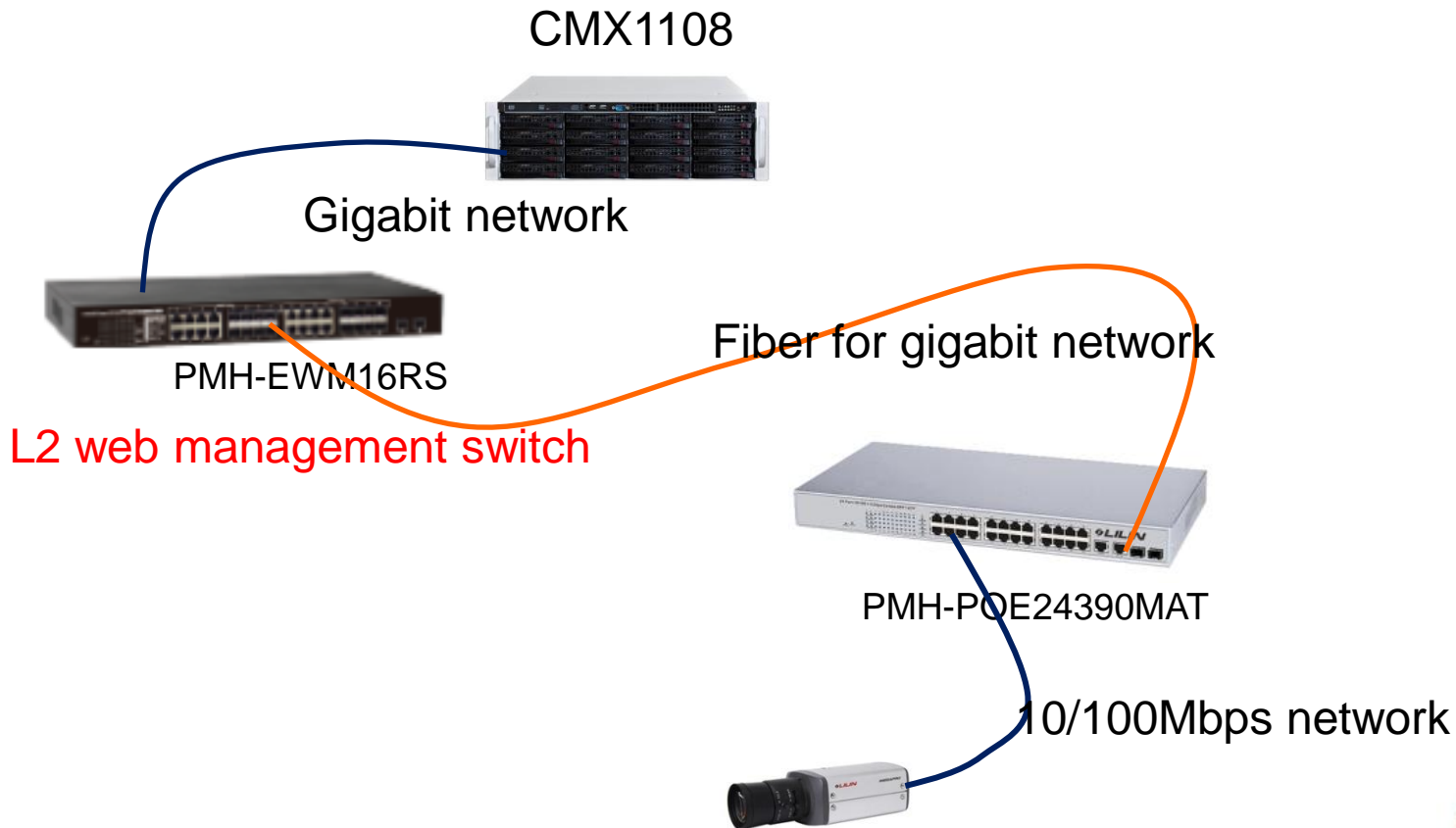


L2 web management switch

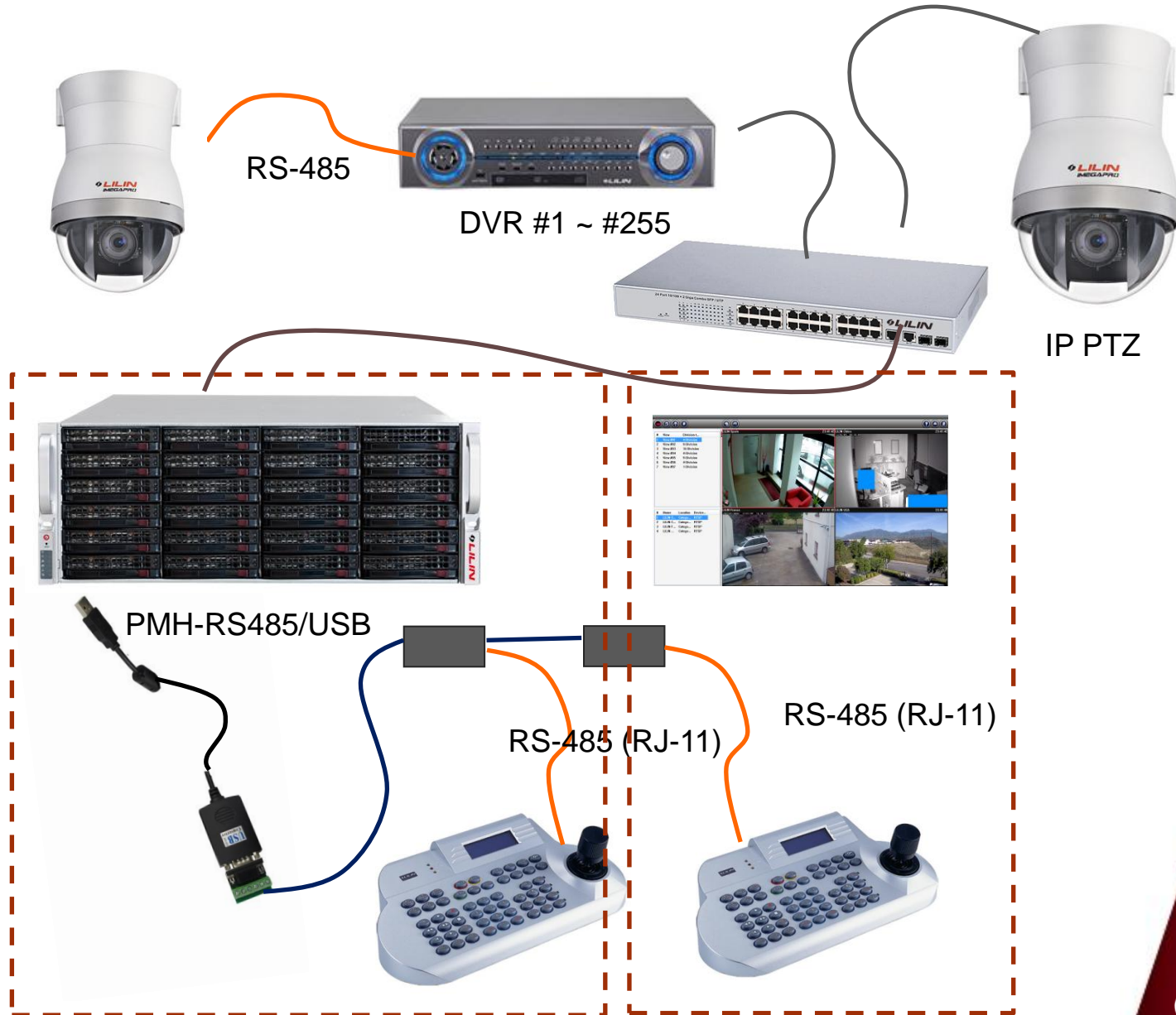


Network System Architecture Using Fiber

- PMH-716M—Fiber to RJ-45 switch,
16 Combo UTP/SFP ports +2 SFP + 16 Giga RJ-45 ports
- CMX can take up to 400Mbps upload and download.
- Make sure that the core switch is **L2 web management switch** for managing TCP/IP traffic.



Keyboards and CMX



PoE Switch



PMH-POE16260WAT, L2 management switch

PMH-POE16260WAT



16 Combo UTP/SFP ports +2 SFP + 16 Giga RJ-45 ports

PMH-EWM16RS



10/100/1000BaseT to 1000SX/LX SFP Media Converter

PMH-RF-G



24 Port 10/100/1000 PoE Port / 4 combo SFP Rack-Mount Gigabit Ethernet Switch Web-Smart, 250W

PMH-24G250W



24 Port 10/100/1000 PoE Port / 4 combo SFP Rack-Mount Gigabit Ethernet Switch Web-Smart, 500W

PMH-24G500W

Conclusion

