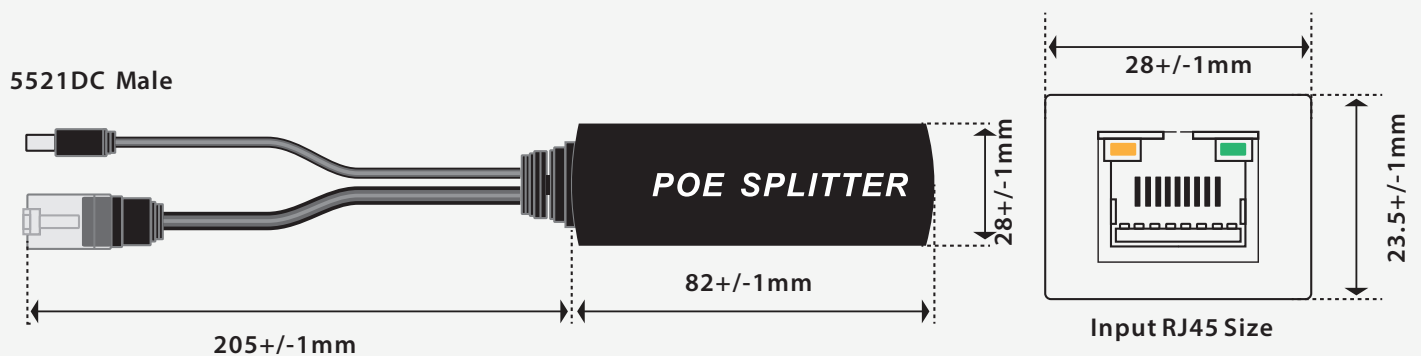




# POE Splitter User Manual

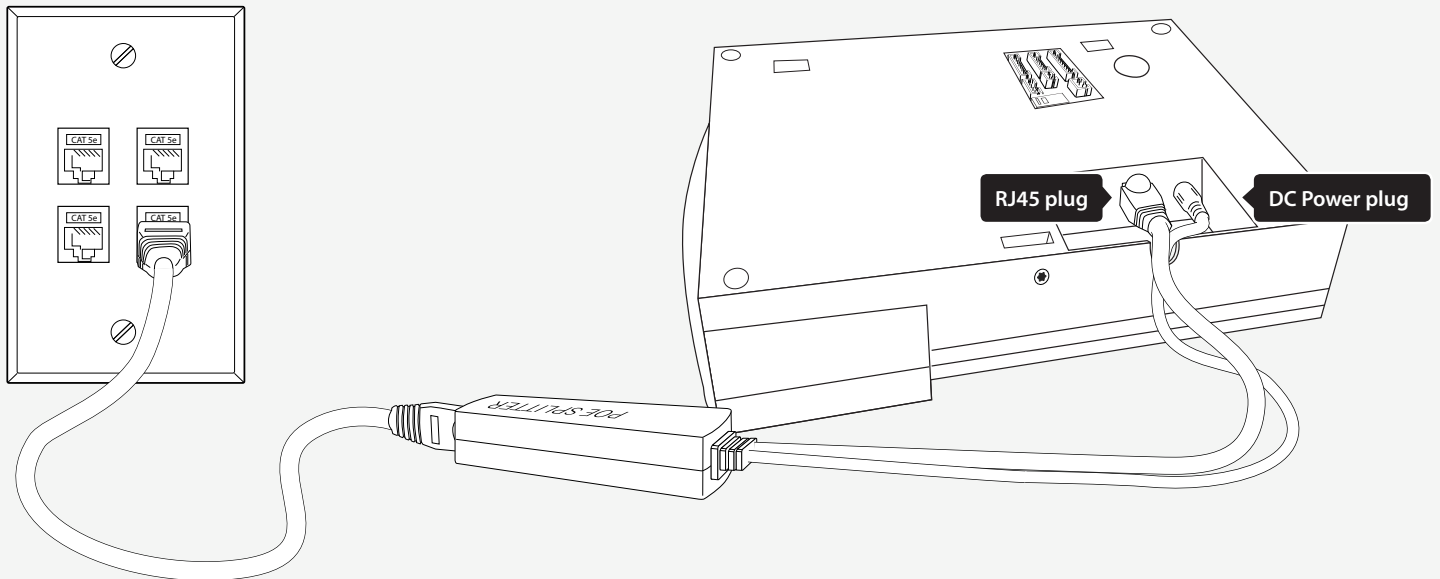
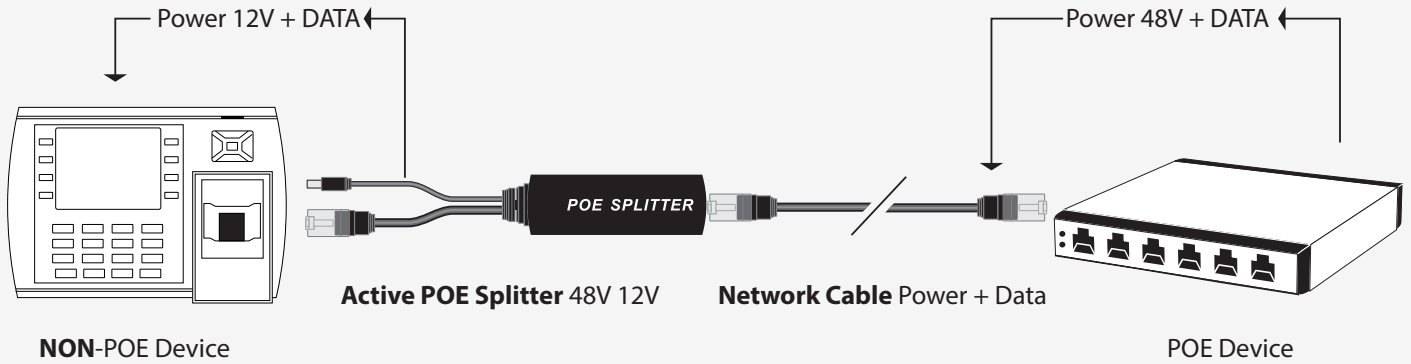
- LS-PE1210G is a high-performance optoelectronic isolation POE product complies with the IEEE 802.3af Ethernet standard, and with the size of 28\*82mm and wire length of 205mm. The output power meets the power consumption demand of over 90% camera.
- **Chip:** SD4952B. Compatible with 38~57V DC voltage, overvoltage protection.
- **POE Standard:** IEEE802.3af
- Compatible with non-standard 48V~57V power supply (only support with 45+78-).
- **Output Power:** 15.4W (12V/1A)
- **Isolation:** 1500V
- **POE Power Pin:** support both (1, 2)+/(3, 6)- and (4, 5)+/(7, 8)-
- **Plug output:** Data (1, 2)/(3, 6)
- Power Output by 5521DC Male (5.5\*2.1mm).



# How to Use

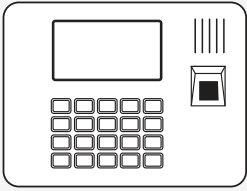
## Correct Connection

Using between POE Switch and NON-POE Device. The Active POE Splitter splits POE signal into a 12VDC power and 10/100Mbps Ethernet data source.



# Wrong Using Method

## Incorrect Connections



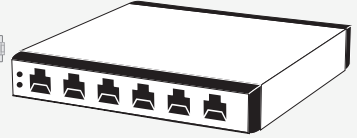
PoE Device

Using between POE Switch and POE Device

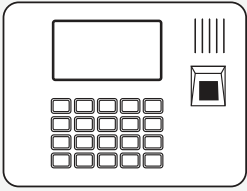


Active PoE Splitter

Network Cable



PoE Switch



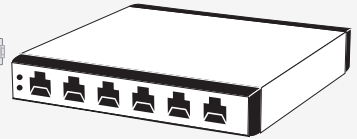
PoE Device

Using between NON-POE Switch and POE Device

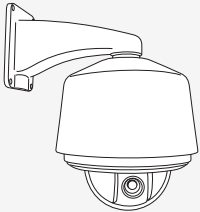


Active PoE Splitter

Network Cable



Non PoE Switch



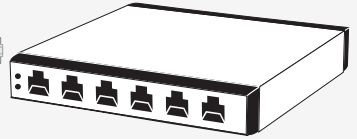
Non PoE Device

Using between NON-POE Switch and NON-POE Device



Active PoE Splitter

Network Cable



Non PoE Switch

## Electrical Parameters

| Voltage Type                    | POE Switch 48V Voltage Input  |             |         |
|---------------------------------|---|-------------|---------|
|                                 | Minimum   | Rated Value | Maximum |
| Input Voltage                   | 38Vdc   | 51Vdc       | 57Vdc   |
| Output Voltage                  | 11.8V   | 12V         | 12.2V   |
| Output Current                  | 0.9A  | 1A          | 1.2A    |
| Output Ripple                   | 200mV Max   |             |         |
| <b>Efficiency</b>               | <b>Above 85%</b>  |             |         |
| <b>Short-Circuit Protection</b> | When the output to the ground short circuit, the product input power will be reduced and will not be damaged. When the short circuit relieved, the product will automatically return to normal. |             |         |

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