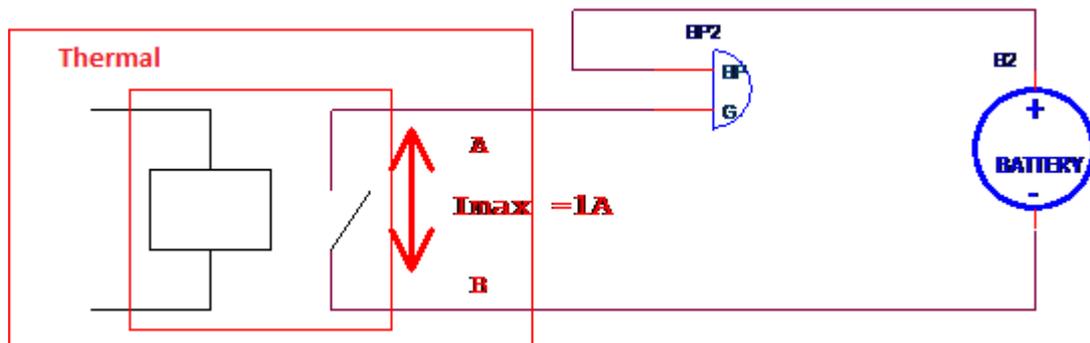


Thermal Camera Interfaces Using Method

1. Alarm Output

1.1 Wiring of Alarm Output

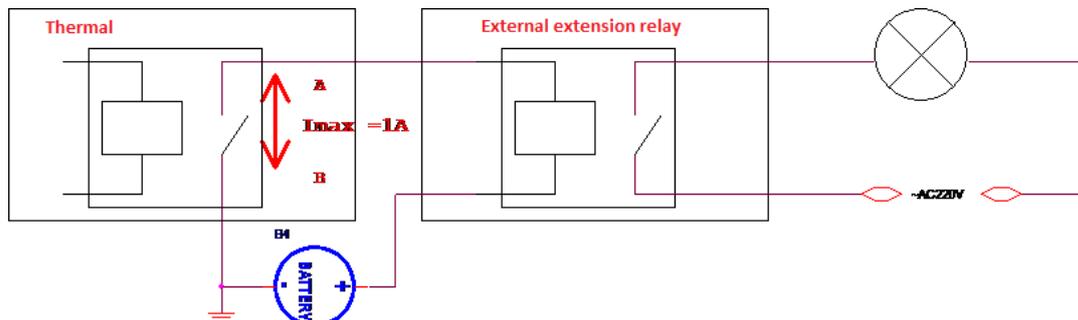
To connect to an alarm output, use the following diagram:



Connection one: be able to drive 1A maximum current

Main point:

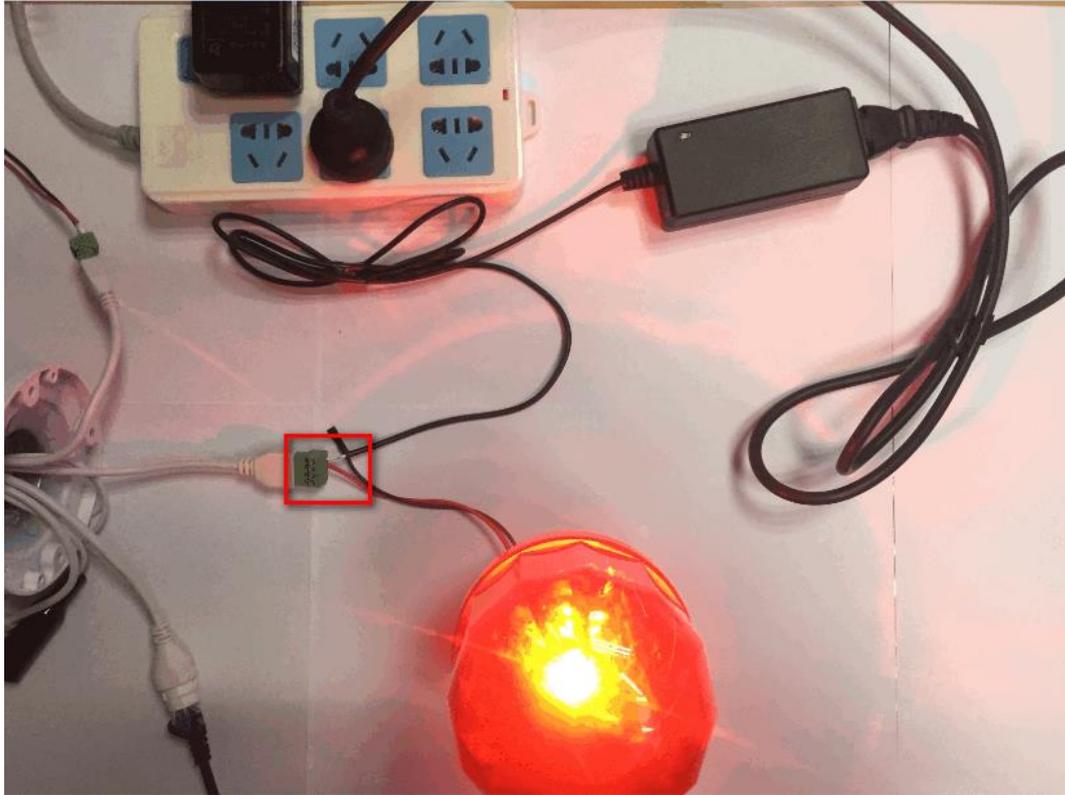
1. The internal device is equivalent to a switch, no polarity.
2. Max. Load current is 1A, Max. Battery voltage is DC30V or AC24V.
3. A, B completely hung up, no connection to the earth



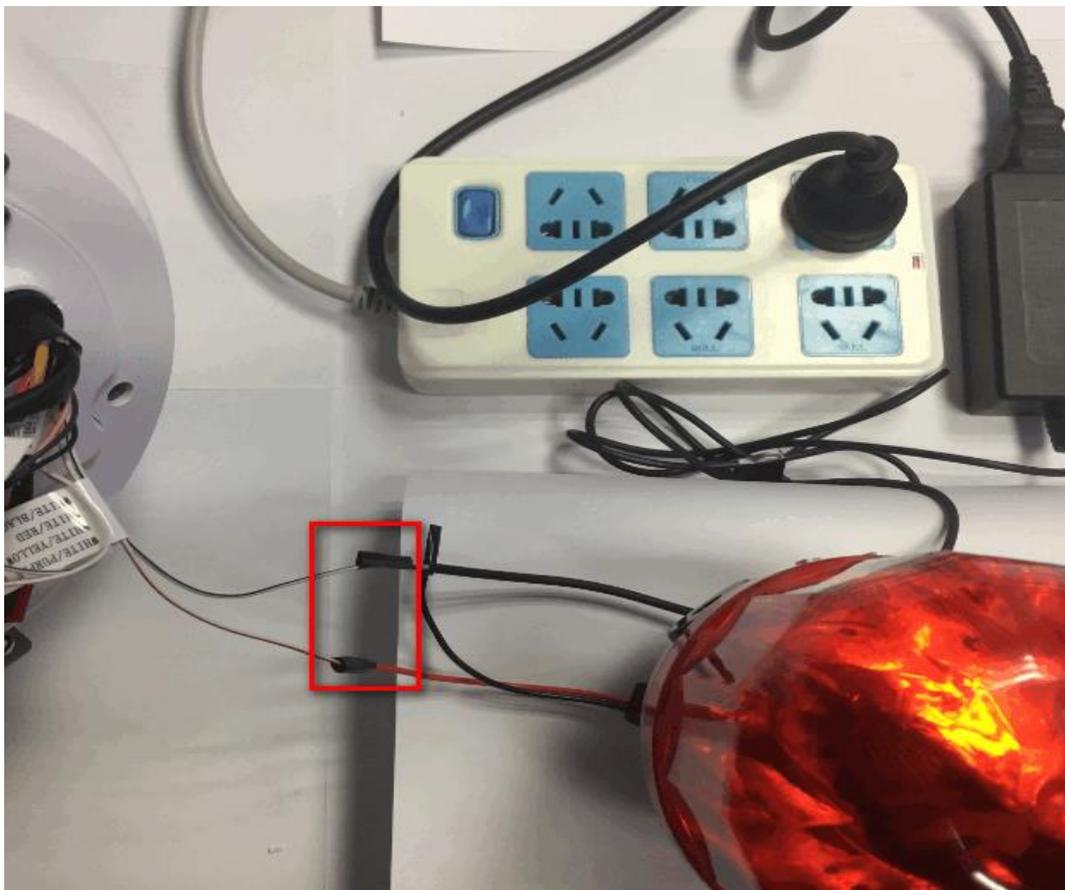
Connection two: connection method for external extension relay

Main point:

1. There is protecting tube connect between A and B, the voltage difference between earth and A/B should not exceed 48V.



Physical map of bullet camera for connection one



Physical map of PTZ camera for connection one

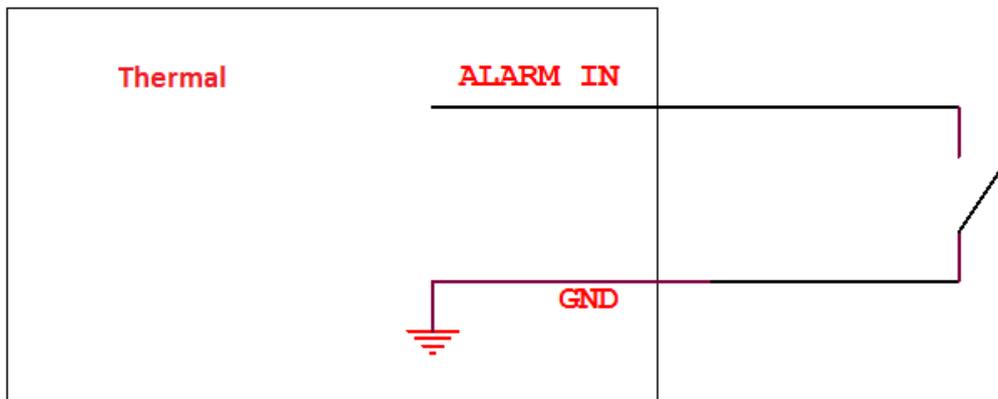
1.2 How to trigger alarm output

Enter Event—Basic Event---Alarm Output Settings interfaces. Select one alarm output channel which has connected an alarm light or loudspeaker. Click Manual Alarm to trigger an alarm manually. If the power supply of alarm out is normal, the alarm light or loudspeaker will give the proper reaction. Such as the alarm lights go on.

2. Alarm Input

2.1 Wiring of Alarm Input

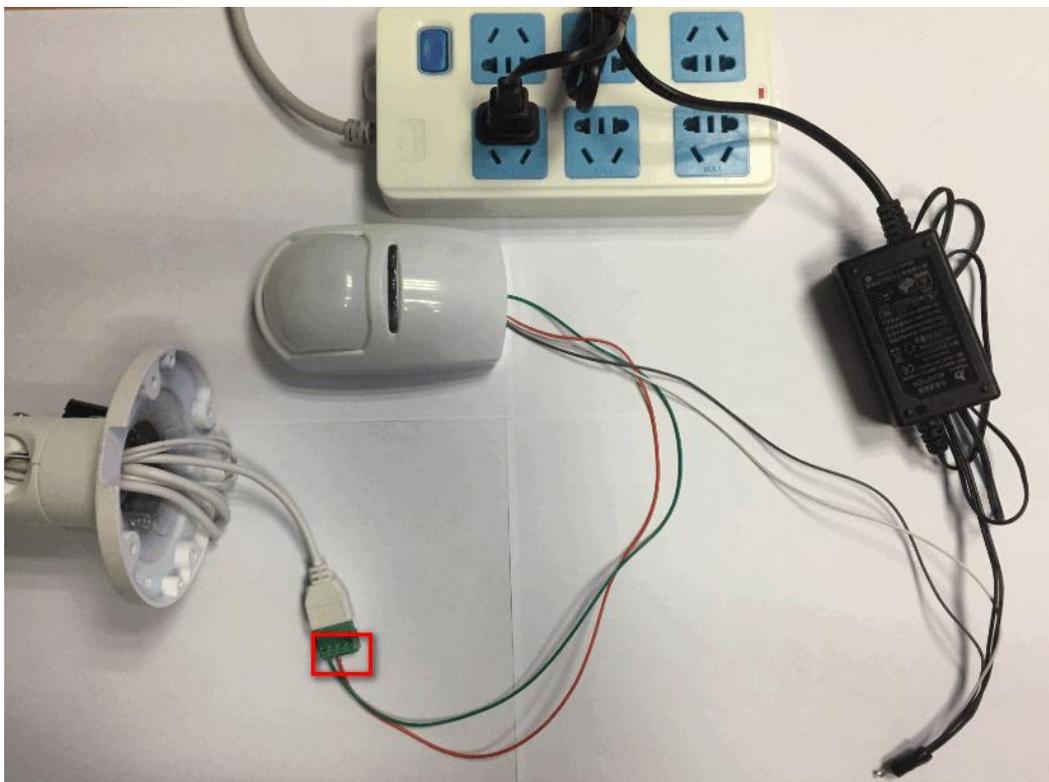
To connect to an alarm Input, use the following diagram:



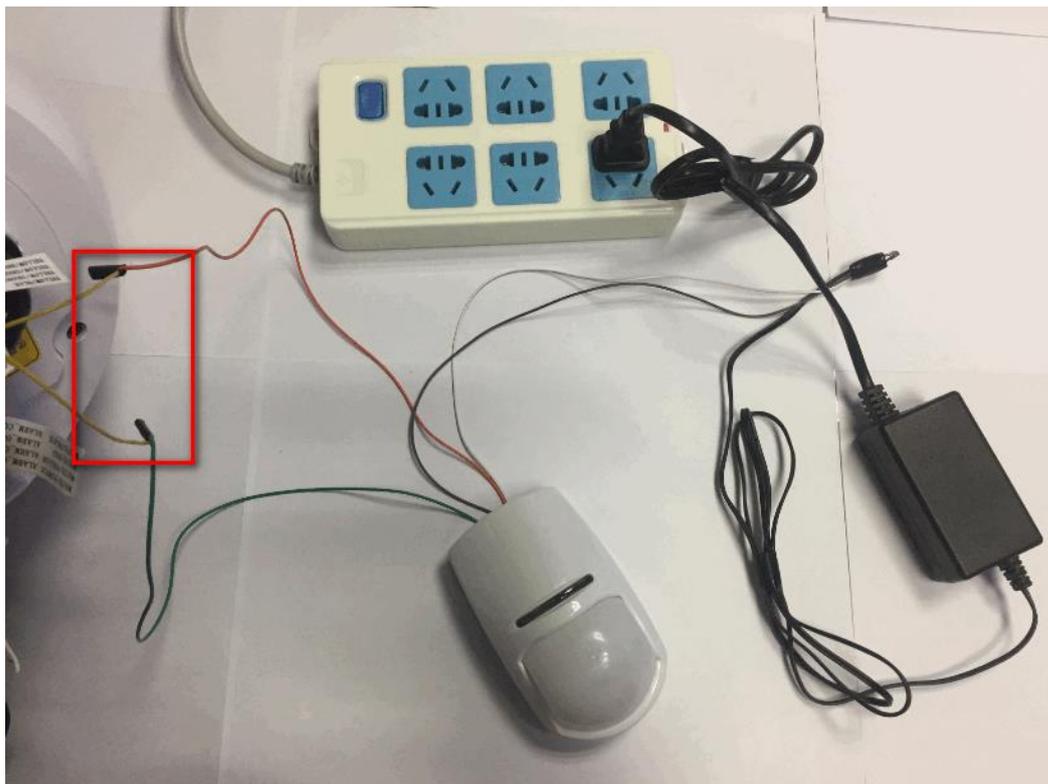
Alarm input connection method

Main point:

Short circuit the Alarm in and GND to trigger alarm.



Physical map of bullet camera



Physical map of PTZ camera

2.2 How to trigger alarm input

Enter Event—Basic Event---Alarm Input Settings interfaces. Select one alarm input channel which has connected an alarm device. Set the alarm type as NO (Normally Open) and set the arming schedule for the alarm input. Click Linkage Method and check the checkbox of trigger alarm output. (Make sure the arming schedule of alarm output has been configured.) Like the physical map above, when the alarm device detect some target passing by, it will linkage the alarm output to give the proper reaction.

3. **Audio Input: Line-In**

Main point:

Impedance: 10K Ω

Frequency Response: 20Hz ~ 20KHz

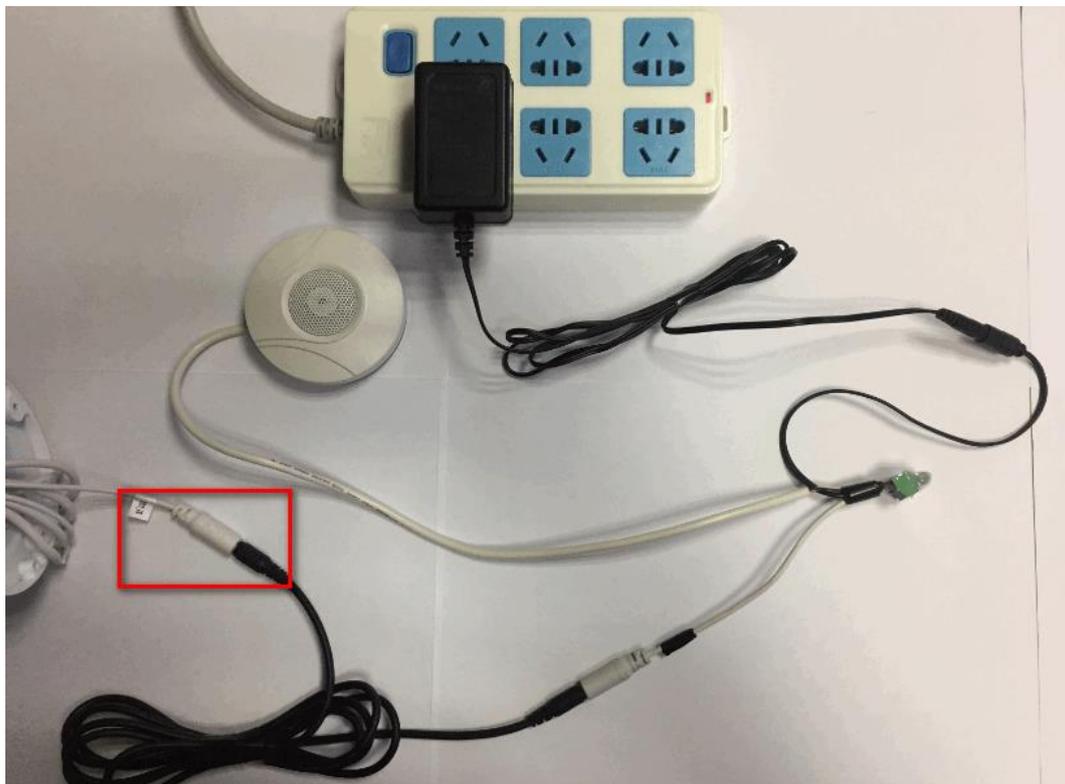
Input amplitude: Max value is 2Vpp.

Suggestion:

Support sound pick-up or input the audio source to device directly.



Physical map 1



Physical map 2

3.1 How to configure audio input

Enter Video/Audio—Video Settings interfaces. Select the stream type to video & audio

composite stream. Then the audio signal will be recorded.

4. Audio Output: Line-Out

Main point:

Impedance: 600Ω

Frequency Response: 20Hz ~ 20KHz

Drive capability:

Output power: 20mW@16Ω

It can only drive headphone above 16Ω or connect to input terminal of powered speaker directly.



Physical map

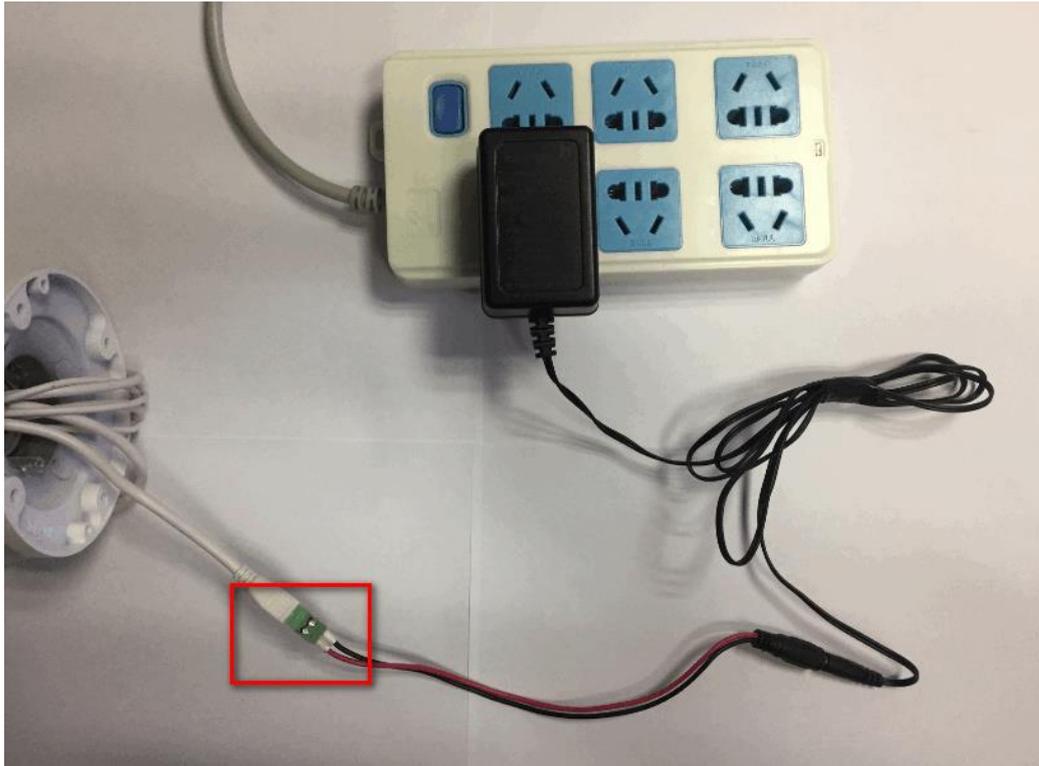
4.1 How to use audio output

Make sure the stream type is video & audio composite stream. Then click  button to hear the sound from input audio source.

5. Power Interface

Main point:

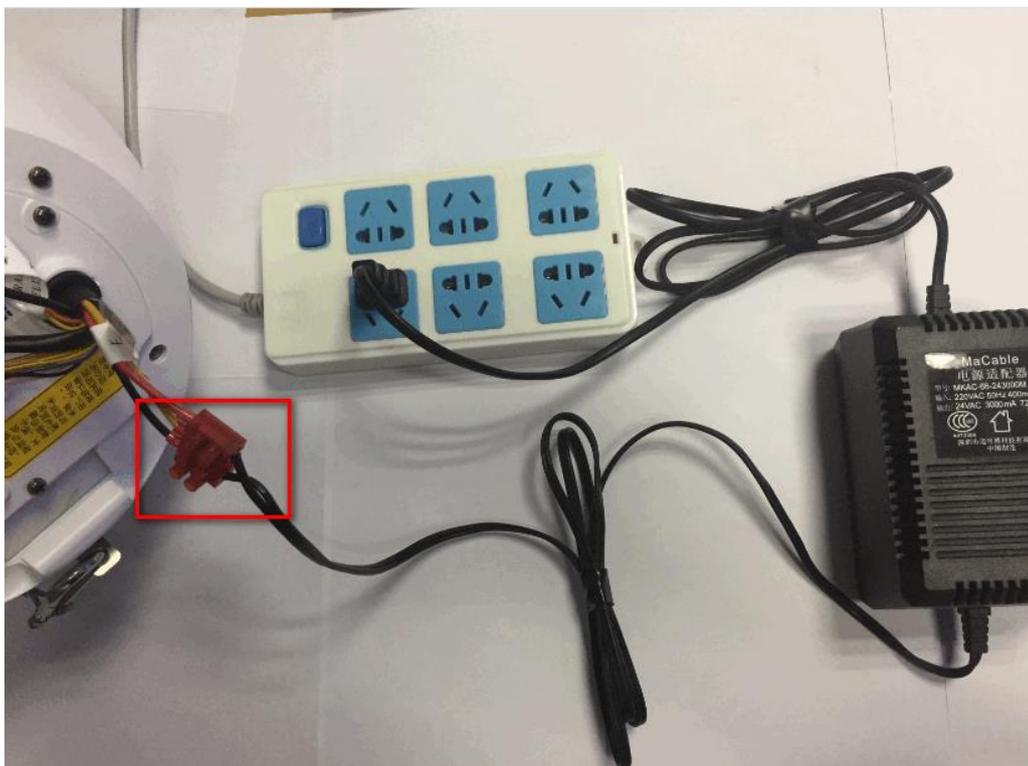
The positive and negative of the two core wires should match with the power interface.



Physical map of bullet camera

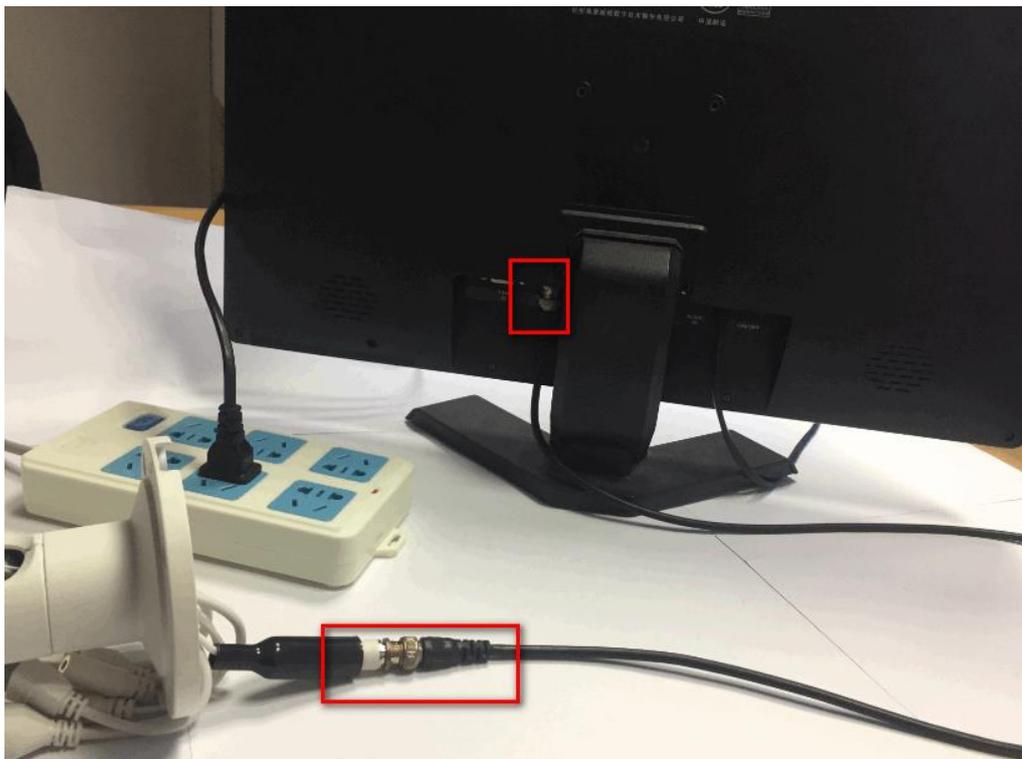
Main point:

The two ends of the power cord are randomly connected to each side. The middle side of three core interface can be connected with earth wire.



Physical map of PTZ camera

6. BNC Interface



Physical map

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