# Product Main Parameter/Function

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| **Camera** | **Description** |
| Chip | CV1821  |
| Sensor | SC3336(Short focal lens), GC2063(Telephoto lens) |
| Resolution | 2304×1296(Short focal lens), 1920×1080(Telephoto lens) |
| Diagonal angle of view | 110°(Short focal lens), 45°(Telephoto lens) |
| Lens focal length | 3.6mm/8mm |
| Night vision function | Infrared night vision / Color night vision |
| **Audio and video** | **Description** |
| Video coding protocol | H.264/H.265 |
| Video code rate | 80Kbps~800Kbps (self-adaption) |
| Audio compression method | G.711A/AAC |
| **Major function** | **Description** |
| 3D digital noise reduction | Support |
| Wide dynamic | Support |
| Backlight compensation | Support |
| White balance | Support |
| IR-CUT | Support |
| POE power supply | Support |
| Human shape detection | Support |
| Motion detection | Support |
| Voice detection | Support |
| Motion Tracking | Support |
| Network | **Description** |
| Network Protocol | L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP,RTP,RTSP, RTCP,UPnP, DNS,PPPoE,DDNS,NTP, FTP,HTTP, HTTPS,SIP, 802.1x |
| **Interface** | **Description** |
| Audio input and output | Audio wiring, 1 wires input, 1 wires output |
| Power | DC 12V⎓1A,PoE 48V⎓0.3A |
| Button | Reset button |
| Network interface | RJ45 10M/100M 2.4G WIFI |
| **Storage** | **Description** |
| Local storage | Micro SD, support a maximum of 128GB |
| **Operation** | **Description** |
| Working environment | -20℃ to +60℃ |

**CV1821+SC3336/GC2063 Wiring diagram**

 

 

 

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| **Interface** | **Description** |
| J9 | 1:TXP 2:TXN 3:RXP 4:RXN 5:PHY\_LED |
| J10 | 1:SPK- 2:SPK+ |
| J1 | 1:KEY 2:GND 3:12V\_IN |
| J6 | 1:MT\_5V 2:MA4 3:MA3 4:MA2 5:MA1 |
| J7 | 1:MT\_5V 2:MB4 3:MB3 4:MB2 5:MB1 |
| J11 | 1:MIC\_IN 2:GND |
| J8 | 1:PIR 2:WLED 3:GND 4:CDS 5:IRLED 6:5V\_IN |
| J12 | 1、2、3:SPI\_VCC 4、6、8、13、16、19、22、25、28:GND 5:CAM\_MCLK1 7:CAM\_MCLK2 9:I2C2\_SCL 10:I2C2\_SDA 11:RST1 12:RST2 14:CKP 15CKN 17:DOP 18:DON 20:D1P 21:DIN 23:CKP 24:CKN 26:D0P 27:D0N 29:IR\_CUT\_EN\_SC 30:IR\_CUT\_EN\_GC |
| J3 | 1:IR\_OUTA1 2:IR\_OUTB1 |
| J5 | 1:IR\_OUTA2 2:IR\_OUTB2 |
| J2 | 1、2、3:SPI\_VCC 4、6、8、13、16、19、22、25、28:GND 5:CAM\_MCLK1 7:CAM\_MCLK2 9:I2C2\_SCL 10:I2C2\_SDA 11:RST1 12:RST2 14:CKP 15CKN 17:DOP 18:DON 20:D1P 21:DIN 23:CKP 24:CKN 26:D0P 27:D0N 29:IR\_CUT\_EN\_SC 30:IR\_CUT\_EN\_GC |