# Product Main Parameter/Function

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| **Camera** | **Description** |
| Chip | CV1821 |
| Sensor | SC3335/GC4653/SC401AI/OV4689/SC4336 |
| Resolution | 2304x1296P、2560x1440P |
| Diagonal angle of view | 106° |
| Lens focal length | 4mm,6mm |
| Night vision function | Infrared night vision ,Color night vision |
| AV | **Description** |
| Video coding protocol | H.264/H.265 |
| Video code rate | 80Kbps~1Mbps(self-adaption) |
| Audio compression method | G.711A/AAC |
| Function | Description |
| 3D digital noise reduction | Support |
| Wide dynamic | Support |
| Backlight compensation | Support |
| White balance | Support |
| Human shape detection | Support |
| Motion detection | Support |
| Voice detection | Support |
| Cloud broadcasting | Support |
| Aural-visual alarm | 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, 2 wires output |
| Power supply | 12V⎓1A,PoE 48V⎓0.3A |
| Button | Reset button |
| Network interface | RJ45 10M/100M  |
| **Storage** | **Description** |
| Local storage | Micro SD, support a maximum of 128GB |
| **Operation** | **Description** |
| Working environment | -20℃ to +60℃ |

**CV1821+SC3335/GC4653/SC401AI/OV4689/SC4336**

**Wiring diagram**



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| **Interface** | **Description** |
| J4 | 1:12V\_IN 2:USB\_DP 3:USB\_DM 4:GND |
| J8 | 1:VCC3.3 2:VCC1.8 3:VCC1.2 4:SEN\_PWDN 5:CAM\_RST 6:CAM\_I2C\_SCL 7:CAM\_I2C\_SDA 8:GND 9:CAM\_MCLK 10:GND 11:CAM\_RX\_0N 12:CAM\_RX\_0P13:GND 14:CAM\_RX\_1N 15:CAM\_RX\_1P 16:GND 17:CAM\_RX\_2N 18:CAM\_RX\_2P 19:GND 20:CAM\_RX\_3N 21:CAM\_RX\_3P 22:GND 23:CAM\_RX\_4N 24:CAM\_RX\_4P 25:GND 26:IR\_CUT\_P 27:IR\_CUT\_N 28:IRC\_PWR |
| J7 | 1:MIC\_IN 2:GND |
| J3 | 1:GPIO1 2:GPIO2 3:GPIO3 4:GPIO4 5:GPIO5 6:GND |
| J6 | 1:SPK- 2:SPK+ |
| J9 | 1:RCA\_OUT 2:GND |
| J2 | 1:IRLED 2:WLED 3:CDS |
| J5 | 1:12V\_IN 2:GND 3:ETH\_RX- 4:ETH\_RX+ 5:ETH\_TX-6:ETH\_TX+ 7:PHY\_LED 8:KEY  |