#  Product Main Parameter/Function

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| **Camera** | **Details** |
| Chip | CV181X |
| Sensor | SOI F37 |
| Resolution | 1920×1080P |
| Diagonal angle of view | 161.6° |
| Lens focal length | 2.3mm |
| Night vision function | Infrared night vision |
| **AV** | **Details** |
| Video coding protocol | H.264/H.265 |
| Video code rate | 80Kbps~800Kbps (self-adaption) |
| Audio compression method | G.711A/AAC |
| **Major function** | **Conformity or not** |
| 3D digital noise reduction | Yes |
| Wide dynamic | Yes |
| Backlight compensation | Yes |
| White balance | Yes |
| IR-CUT | Yes |
| **Smart** | **Conformity or not** |
| Human shape detection | Yes |
| Motion detection | Yes |
| Voice detection | Yes |
| Forced demolition alarm | Yes |
| Wandering detection | Yes |
| Low battery alarm | Yes |
| **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 | 5V⎓1A Charge+(built-in battery) |
| Button | Call button, reset button, switch button |
| Network interface | 2.4G WIFI |
| **Storage** | **Description** |
| Local storage | Micro SD, support a maximum of 128GB |
| **Operation** | **Description** |
| Working environment | -10℃ to +45℃ |

**CV181X+F37 Wiring diagram**



 

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| **Interface** | **Description** |
| J9 | 1:SC\_CD 2:SC\_D2 3:SC\_D3 4:SC\_CMD 5:V3P3\_SC 6:GND 7:SC\_CLK 8:GND 9:SC\_D0 10:SC\_D1  |
| J2 | 1:MIC+ 2:MIC- |
| J11 | 1:WIFI\_LED 2:CHARGE\_LED 3:RING\_LED 4:KEY 5:VUSB\_CON 6:V3P3A 7:STDBY\_LED 8:GND 9、10:NC |
| J8 | 1:SPK+ 2:SPK-  |
| J1 | 1:VBAT 2:GND |
| J5 | 1:IR\_OUTA 2:IR\_OUTB |