**WO-S1903 LLL Camera Core**

**Technical Specification**

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| **Model number** | **WO-S1903** |
| Sensor details | |
| Probe type | Color HD CMOS |
| Resolution | 1920×1080 |
| Pixel size | 3μm |
| Illuminance degree | F1.2 , 0.001Lux |
| Response-band | 0.4-0.9um. |
| Image processing | |
| Start-on time | ≤ 3S |
| Open the machine interface | Customizable |
| Image amplification | 1x-4x. |
| Frame frequency | [1920x1080p@25/30/50/60fps Switch](mailto:1920x1080p@25/30/50/60fps切换" \o "mailto:1920x1080p@25/30/50/60fps切换) |
| Image | Color / black / white switch |
| Cross line | Show / blanking / move |
| Sharpness | (3rd gear) Adjustable |
| Gain | Manual / auto-adjustable |
| Digital noise reduction | Yes |
| Brightness, contrast, and saturation | Adjustable |
| Image enhancement | (4th gear) Adjustable |
| Exposure time | Adjustable |
| Electron fog | Low, middle, high three gear adjustment |
| Program upgrade interface | Yes |
| Wide-width dynamic | Yes |
| Self-test function | Power on / command self-inspection |
| Start-up time | ≤ 3s |
| Image display | |
| Communication interface | UART TTL |
| Output the image | Support for custom development, with the output: BT1120,BT601,RGB888 |
| Support to drive the OLED display |
| Power supply | |
| Operating voltage range | 3.3v-5v |
| Typical operating voltage | 5v |
| Power consumption | ≤ 2W |
| Backverse protection | Yes |
| Over-pressure protection | Yes |
| Environmental parameters | |
| Operating temperature | —40℃～+60℃ |
| Working humidity | 0%~80%RH. |
| Storage temperature | —45℃～+85℃ |
| Store the humidity | 0%~95%RH |
| Anti to shock | |
| Vibration | GJB 150-16 2.3.1 |
| Impact | GJB 150-18 Test: 7,100 g/6ms |
| Physical parameters | |
| Weight (excluding the lens) | ≤ 20g |
| Dimensions (excluding the lens) | 40mmx40mmx15mm |