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| **Low-light Level (LLL)imaging core** | | |
| **Model** | **WO-S1904-V01** | **WO-S1912-V01** |
| **Sensor Performance** | | |
| Sensor type | 4um color HD CMOS | |
| Resolution | 1920×1080 | 1936 x 1216 |
| Pixel pitch | 4μm | 12μm |
| Frame Rate | 25/30fps switch | |
| Response wavelength | Visible light 400-700nm，near infrared 700-950nm narrow band 1064nm | |
| **Image adjustment** | | |
| Brightness and contrast adjustment | Manual/Auto | |
| Color switch | Full Color/black and white image switch, then color and brightness are adaptively adjusted. | |
| Image enhancement | Adaptive adjustment according to the scene | |
| Exposure mode | Shutter exposure | |
| Reticle | Display/blanking; Position adjustable, position information can be saved, automatically read after power-off and on. | |
| Electronic zoom | 1x~4x continuous zoom | |
| Image process | Digital filter noise reduction | |
| Image time overlay function | |
| Sharpness enhancement | |
| Sensor mode switch | sensor master-slave mode switchover | |
| Day/night scene switch | Support day/night switch | |
| Image mirror | Horizontal/vertical | |
| **Software Function** | | |
| Start-up interface | Gray and neutral screen without any words (customizable) | |
| Boot time | ≤8S | |
| Program upgrade | Support serial port/USB upgrade | |
| **Optical Control** | | |
| Lens type | Single FOV/dual FOV/continuous zoom | |
| Auto focus | Support | |
| Motorized focus | Continuous adjustment/fine adjustment (duty cycle adjustable) | |
| Electric zoom | Continuous adjustment/fine adjustment (duty cycle adjustable) | |
| **Power Supply** | | |
| Typical supply voltage | 12V DC | |
| Power supply protection | Overvoltage, undervoltage, reverse connection | |
| Typical power consumption | ＜2W@25° | ＜2.5W@25° |
| **Interface** | | |
| Analog Video output | 1 way PAL | |
| Digital Video output | SDI | |
| Video sync input | Support | |
| Video sync output | Support | |
| Serial communication | RS-232/RS-485 | |
| PELCO protocol | Supports standard PELCO-D protocol | |
| **Physical characteristics** | | |
| Weight (w/t lens) | ≤90g | |
| Dimension (w/t lens) | 38mmx40mmx40mm | |
| **Environmental adaptability** | | |
| Working temperature | -40℃～+60℃ | |
| Working humidity | 0%～90%RH | |
| Storage temperature | -45℃～+70℃ | |
| Storage humidity | 0%～95%RH | |
| Impulse Test | GJB150-18 Experiment 7 100g/6ms | |
| Vibration Test | GJB150-16 2.3.1.1 | |