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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 |