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| **IP Low-light Level Imaging Core** | | |
| **Model#** | **WN-S1904-V01** | **WN-S1912-V01** |
| **Sensor** | | |
| Resolution | 1920H×1080V | |
| Pixel size | 4μm | 12μm |
| Exposure method | Shutter exposure | |
| Working wavelength | Visible light 400-700nm/Near infrared 700-950nm/Narrowband 1064nm | |
| Dynamic range | HDR mode：＞100dB | |
| Linear mode：84dB | |
| Frame rate | 25(default)/30/50/60Hz | |
| Optical spec | 1/1.8” | |
| **Imaging Performance** | | |
| Dimming | Manual≤2s | |
| White balance | Auto white balance | |
| DDE | 4 levels adjustable | |
| Filter | External IR-cut | |
| Electronic fog | Low, medium and high 3 levels adjustable | |
| Low illumination enhancement | [Clear imaging at dusk/dawn (1lux@F1.6)](mailto:1lux@F1.6" \o "mailto:1lux@F1.6) | |
| Exposure time | Settable | |
| Brightness | Step adjustment | |
| Contrast | Step adjustment | |
| Saturation | Step adjustment | |
| Gain | Value settable | |
| Sharpness | Step adjustment | |
| Image mirroring | Horizontal/vertical adjustable | |
| Wide dynamic | Support | |
| BLC | Support | |
| Digital noise reduction | Support time domain/space domain noise reduction | |
| Image switching | Color/black and white image switching, self-adjusting brightness | |
| Frame rate switching | 25/30/50/60Hz switchable | |
| Electronic zoom | 1×～4×（Continuous Zoom） | |
| External wake up | Support | |
| Internal wake up | Support | |
| Auto focus | Real-time output of definition evaluation | |
| Reticle | Display/blanking, the position is adjustable and can be saved, automatically read when power on | |
| Parameter settings | Save current settings/restore factory settings | |
| Self-check function | Power-on self-check/command self-check, feedback normal or not. | |
| Upgrade | Support Program Upgrade | |
| **Communication** | | |
| Method | Serial port (2 channels) | |
| Type | 1 channel RS232/1 channel RS422（Baud rate：115200（N,8,1）） | |
| External synchronization | RS422 | |
| **Vedio** | | |
| Type | rtsp stream | |
| Format | ONvif | |
| **Interface** | | |
| Power supply/video interface | PoE/RJ45 | |
| Communication interface | 1.25 pitch 8pin connector | |
| **Electrical** | | |
| Power Voltage | DC48V | |
| Power Consumption | ≤1.8W | |
| Boot time | ≤8S | |
| Boot interface | Gray and neutral picture | |
| **Mechanical** | | |
| Weight | ≤0.5kg | |
| Dimension | ≤60mm×40mm×40mm（L×W×H） | |
| **Environmental adaptability** | | |
| Working temperature | -40℃～+60℃ | |
| Working humidity | 0%～90%RH | |
| Storage temperature | -45℃～+70℃ | |
| GJB150.3A-2009 | |
| Storage humidity | 0%～95%RH | |
| Impulse Test | Vertical direction≥20g, horizontal axis and vertical axis direction≥15g; 11ms each time; | |
| GJB150-18A 2009 | |
| Vibration Test | ≥2g（15Hz～500Hz～15Hz）； | |
| GJB150-16A 2009 | |
| Standard packing list | Digital infrared camera module | |
| Lined bag | |
| Warranty card | |
| QA test report | |
| Corrugated box (lined with foam) | |
| Desiccant | |