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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) |
| 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 |