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| **Model** | **FO-H612-V01** | **FO-H1212-V01** |
| **Sensor Performance** |
| Sensor type | VOx Uncooled FPA |
| Resolution | 640×512 | 1280×1024 |
| Pixel pitch | 12μm | 12μm |
| Frame Rate | 25Hz | 25Hz |
| Response wavelength | 8～14μm |
| NETD | ≤45mK@25℃ |
| **Image Adjustment** |
| Brightness and contrast | Manual/Auto |
| Polarity | Black hot/White hot |
| Pseudo-color | Support (18 types) |
| Reticle | Display/blank/move |
| Electronic zoom | 2x，4x |
| Image processing | Non-uniformity correction |
| Digital filter noise reduction |
| Digital detail enhancement |
| Image mirroring | Left/right;up/down;diagonal |
| **Software function** |
| Start-up interface | Gray and neutral screen without any words(customizable) |
| Boot time | ≤15S |
| Program upgrade | support serial port upgrade |
| **Alarm function** |
| High temperature warning | Support |
| Fire Point alarm | Support |
| Alarm response time | ≤0.2s |
| Alarm IO output | 1 channel (LVCMOS level) |
| Alarm instruction output | Support |
| **Lens control** |
| Lens type | Single FOV/dual FOV/continuous zoom |
| Auto focus | Support (auto focus time≤ 3s if near the clear point ) |
| 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 | ＜2.2W@25℃ | ＜4.4W@25℃ |
| **Interface** |
| Analog Video output | 1 way PAL /NTSC | N/A |
| Digital Video output | LVDS/BT.656/BT.1120/SDI | LVDS/SDI |
| Video sync input | Support |
| Video sync output | Support |
| Serial communication | RS232/RS422/485（Baud rate：115200（N,8,1）） |
| PELCO protocol | Supports standard PELCO-D protocol |
| **Physical characteristics** |
| Weight (w/t lens) | ≤90g | ≤165g |
| Dimension (w/t lens) | 45.8mm×34mm×34mm | ≤55mmx55mmx37mm |
| **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 |