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| **Bi-spectrum Rotorcraft Camera** | | |
| **Model** | **FX-H617-W19-V02** | **FX-A317-W19-V02** |
| **Infrared performance** | | |
| Sensor type | VOx Uncooled FPA | |
| Resolution | 640\*512 | 384\*288 |
| Wavelength | 8μm~14μm | |
| Pixel size | 17μm | |
| Optical focal length | 19mm | |
| Thermal FOV | ≥28.4°×21.4°（Horizontal × vertical） | |
| Frame Rate | ≥25Hz | ≥50Hz |
| NETD | ≤50mK | |
| Start-Up Time | ≤20s（25±2℃） | |
| Operating distance (when the visibility is 8km, the temperature difference between the target and the background is not less than 5℃) | 1) For human (1.7m×0.7m): identification distance≥ than 90m; | |
| 2) For vehicles (3.0m×3.0m): identification distance≥ 300m | |
| Thermal correction | Automatic NUC | |
| **Visible performance** | | |
| Sensor type | CMOS | |
| Resolution | 1920×1080 | |
| FOV | ≥28.4°×21.4° | |
| Frame Rate | ≥25Hz | |
| Dynamic range | ≥60db | |
| Start-Up Time | ≤5s (25±2℃) | |
| Environmental illuminance range | Support 1Lx～10000Lx | |
| Operating distance | Identify 0.6m×0.6m objects in the range of 100m | |
| **Power Supply** | | |
| Rated supply voltage | 12VDC | |
| Supply voltage range | 9V～36VDC | |
| Normal temperature power consumption | ≤10W | ≤8W |
| Power consumption @low temperature heating | ≤25W | ≤22W |
| **External interface (aviation plug)** | | |
| Video format | Two-channel PAL | |
| Communication | RS232 | |
| **Environmental adaptability** | | |
| Working temperature | -40℃～55℃ | |
| Storage temperature | -55℃～60℃ | |
| Vibration | GJB 150.16A-2009 | |
| Shock | GJB 150.16A-2009 | |
| Low pressure | GJB150.2A-2009 | |
| Rain test | GJB150.8A-2009 | |
| Damp heat test | GJB150.9A-2009 | |
| Mold test | GJB150.10A-2009 | |
| Salt spray test | GJB150.11A-2009 | |
| Sand and dust test | GJB150.12A-2009 | |
| Window usage | Deicing heating | |
| **Physical characteristics** | | |
| Weight | ≤1kg | ≤1kg |
| Dimension (mm) | 107×107×56.5 | 107×107×56.5 |