|  |
| --- |
| **Integrated rifle sight core** |
| **Model#** | **FO-A317-V03** |
| **Sensor** |
| Sensor resolution | 384×288 |
| Pixel size | 17μm |
| Response wavelength | 8～14μm |
| NETD | ≤45mk |
| Frame rate | 50 Hz |
| **Optical performance** |
| Focal length | 35mm | 50mm |
| FOV | 10.65°×8.00° | 7.47°×5.6° |
| Focusing | Manual，5m～+∞ |
| **Image processing** |
| Image polarity | White hot, black hot, green hot (customizable) |
| Zoom | 2x，4x , Pic-in-Pic |
| Brightness | Adjustable from 1 to 100 |
| Contrast | Adjustable from 1 to 100 |
| Image enhancement | DDE |
| Reticle | 5 optional (customizable) |
| **Image Display** |
| Video output | PAL |
| Digital video | Standard 0.39" MicroOled and BT656 |
| **Power Supply** |
| Operating voltage range | 5-10V |
| Operating voltage | 6.4-8.4V |
| MAX Working Hours | Rechargeable, dual 18650 lithium battery ≥9h |
| Power-consumption | ≤1.50W |
| **Electrical interface** |
| Analog video | PAL |
| Digital video | Color OLED |
| Communication interface | RS232 |
| Button control | Yes |
| Rotary switch (encoder interface) | Yes |
| **Environmental adaptability** |
| Storage temperature | -50℃～+60℃ |
| Working temperature | -40℃～+50℃ |
| **Reliability** |
| Mean Time Between Failure | ≥500h（Whole device） |
| Button life | Switches and button keys have no fault operation times ≥ 3000 times (whole device) |
| Battery reverse connection protection | No distinction between positive and negative, both can be installed |
| **Machanical characteristics** |
| Dimension | 100mm\*45.8mm\*42mm |
| Weight | ≤80g |