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| **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 | |