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| **Observation thermal imaging core** |
| **Model#** | **FO-A317-V06** |
| **Sensor** |
| Sensor resolution | 384×288 |
| Pixel size | 17μm |
| Respond wavelength | 8～14μm |
| NETD | ≤50mk |
| Frame rate | 50hz |
| **Optical performance** |
| Focal length | 19mm, 25mm,35mm, 50mm(customizable) |
| Focusing | Manual |
| **Image process** |
| NUC | Shutter correction |
| Image polarity | 5 optional (customizable) |
| Zoom | 2x，4x , Pic-in-Pic |
| Brightness | Adjustable from 1 to 9 |
| Contrast | Adjustable from 1 to 9 |
| Image enhancement | DDE |
| Reticle type | 8 optional (customizable) |
| Reticle color | Black, white, red, green |
| Sharpness | Adjustable |
| **Image display** |
| Video output | Two-channel PAL |
| **Power Supply** |
| Operating voltage range | DC 3-12V |
| Operating voltage | DC 5V |
| **Electrical interface** |
| Analog video | PAL |
| Laser illuminator interface | Available |
| Laser rangefinder interface | Available |
| Communication Interface | TTL |
| Switch button | Available（4 buttons） |
| **Environmental adaptability** |
| Storage temperature | -50℃～+70℃ |
| Working temperature | -40℃～+60℃ |
| Humidity | 0%～95%RH |
| **Machanical characteristics** |
| Dimension | 33mmx34mmx32mm |
| Weight | ≤55g |