

# SIRF-17

## Thermal & LLL Fusion Binocular



Suzhou Grand Sensor Inc.

## Product description

SIRF-17 is dual-band fusion thermal imaging. It adopts infrared and low-light fusion, and achieve the unique advantages. As a result, the imaging resolution is higher, and the single object is much easily to recognized. It also have the advantage of observation thought glass. Meanwhile, the device also embedded with dual wave length fusion and focus to magnify the key target at the very high definition for verification.



| Model              |                          | SIRF-17  |
|--------------------|--------------------------|--|
| Infrared           | Infrared thermal imaging | VOx detector, 8μm~14μm, 17μm, 384×288, <50mK@F/1.0, 30Hz |
|                    | FOV                      | 17°×13°  |
|                    | Shutter                  | No shutter, Auto NUC                                     |
| LLL                | Low light imaging        | 0.4μm~1.2μm, 2048×2048, <0.0001Lux, 30Hz                 |
|                    | Field angle              | 10°×7°   |
| System Performance | Image mode               | IR color/Fusion IR/LLL color/Fusion Fusion focus         |
|                    | Optical zoom             | 4x optical zoom in picture                               |
|                    | Intelligent Algorithm    | Auto hot spot identify for automatic tracking            |
|                    | Brightness/ contrast     | Manual/Automatic   |
|                    | Image enhancement        | Fusion defog enhancement                                 |

|          |  |  |
|----------|--|--|
|          | Image capture  | Tap to take an image   |
|          | Image storage  | Built-in 16GSD card, can store not less than 20000 still picture     |
|          | Image download   | USB  |
|          | Video display  | Support PAL analog video   |
|          | Built-in display   | 720×540、LCOS   |
|          | Electrical interface   | Power supply, USB, analog video                                      |
|          | Mechanical interface   | 1/4 inch tripod  |
|          | Battery charging   | USB power adapter 5V DC  |
|          | Battery continuous working hours   | ≥6h  |
|          | Fusion imaging distance  | Fusion: 1.8m × 0.5m person; detection: ≥ 4000m; identification≥1500m |
|          | Electronic compass   | Yes  |
|          | Three-dimensional attitude   | Yes  |
|          | Rangefinder  | Rangefinder via algorithm  |
| Physical | Weight   | ≤500 gram  |
|          | Size   | ≤175mm×88mm×50mm   |
|          | Operating temperature  | -20°C ~ +60°C  |
|          | Storage temperature  | -40°C ~ +60°C  |
| Features | Infrared and LLL fusion, No shutter thermal imaging, Electronic compass positioning, Small and flexible, Easy to carry |  |