



# SVG14F

## 黑光全彩成像单筒夜视仪



### 功能特点：

夜间4\*10<sup>-4</sup>Lux 全彩成像

1080P

FPS: 50/100

激光测距1200M

AI 夜视图像增强/超感光降噪/HDR

无补光/无红外/极黑高清成像

夜间成像无需补光，隐蔽作业，不易被反侦察

SD卡本地储存录像、拍照

18650可更换电池，>24h

电子防抖、去雾120dB宽动态

完全兼容PVS翻斗车+无需配件

IP67防水接插件读取文件

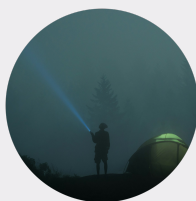
无拖影、低噪点

单按键操作，支持多种设置亮度、比对、帧率等

### 应用场景：



军警执勤与战术行动



野外生存与探险



安防与执法等

### 具体参数：

| 主芯片              | 性能    | 双核 ARM Cortex A55@850MHz (3 DMIPS/MHz)<br>32KB I-Cache, 内置NPU处理引擎 |
|------------------|-------|-------------------------------------------------------------------|
| CIS传感器           | 传感器性能 | • 200万像素1.2英寸 9.9um Progressive Scan CMOS                         |
|                  | 最低照度  | 黑白 1*10 <sup>-4</sup> lux (0.0001 Lux ) @F1.0, AGC ON             |
| 已适配显示屏<br>(不含屏幕) | 屏幕适配  | Micro OLED: 0.5吋 1600*1200                                        |
|                  | 协议    | MIPI DSI                                                          |
|                  | 兼容性   | 可支持屏幕适配 (屏幕需支持: MIPI DSI协议)                                       |
| 图像               | 照片像素  | • XVGA@800*600像素, @1280*720<br>• 1080P像素, 720P@1280*720           |
|                  | 图像防抖  | 电子防抖                                                              |
| 视频               | 录像分辨率 | • XVGA 800*600@25~80fps<br>• 1080P @25~60fps                      |
|                  | 视频输出  | MIPI DSI (屏显与视频输出二选一)                                             |

|      |        |                                            |
|------|--------|--------------------------------------------|
| 业务   | 按键分布   | 按键或旋转编码器: 开关机/红外灯控制、菜单/返回/拍摄模式、确认、屏幕亮度、对比度 |
|      | 语言     | 简体中文、英语、                                   |
| 存储   | 存储卡接口  | 支持内置存储接口 (最大256G), 支持数据线传输文件               |
| 一般规范 | 供电方式   | 支持锂电池供电, 支持IP67航插5V 3A充电                   |
|      | 充电保护   | 支持过冲、反接、短路保护                               |
|      | 尺寸     | 114*46*79 (mm)                             |
|      | 重量     | 不包含电池<245g                                 |
|      | 功耗     | MAX ≤3w                                    |
|      | 工作温度范围 | -20℃~60℃, 湿度小于95% (无凝露)                    |
| 选配功能 | WiFi   | 支持选配WiFi 传输视频                              |
|      | 外围接口   | 支持选配翻斗车支架、定制支架                             |
|      | 照明器接口  | 支持选配红外补光功能                                 |

# SVG14F

## BLACK-LIGHT FULL-COLOR MONOCULAR NIGHT VISION DEVICE



### Key Features:

0.0004 Lux Full-Color imaging at night

FPS: 50/100

AI-enhanced night vision, super low-light, HDR

1080P

Laser Rangefinder:1200M

Full-color imaging without auxiliary light / infrared

Covert night imaging without auxiliary light, hard to detect

Local storage on SD card for recording & photos

E anti-shake,120dB wide dynamic range

IP67 waterproof with plug-in data reading

Replaceable 18650 battery, >24h continuous use

Fully compatible with PVS dump trucks, no accessories required

No smear, Low Noise

One-button control, supports brightness, contrast & frame rate adjustment

### Applications:



Military & Police Duty



Outdoor Survival & Exploration



Security & Law Enforcement

### Specifications:

|                                                       |                                     |                                                                                            |
|-------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------|
| Master chip                                           | function                            | Dual-core ARM Cortex A55@850MHz (3 DMIPS/MHz) 32KB L-Cache, built-in NPU processing engine |
| CIS sensor                                            | Sensor performance                  | • 2 megapixels 1.2-inch 9.9um Progressive Scan CMOS                                        |
|                                                       | minimal illumination                | Black and white 1*10-4lux (0.00 01 Lux) @F 1.0, AGC ON                                     |
| Display screen is already adapted (Excluding screens) | Screen adaptation                   | Micro OLED: 0.5 inch 1600*1200                                                             |
|                                                       | protocol                            | MIPI DSI                                                                                   |
|                                                       | compatibility                       | Screen adaptation is supported (screen must support: MIPI DSI protocol)                    |
| picture                                               | Photo pixel                         | • XVGA@800*600 pixels, @1280*720<br>• 1080P pixels, 720P@1280*720                          |
|                                                       | Image stabilization                 | Electronic stabilization                                                                   |
| video frequency                                       | Video resolution                    | • XVGA 800*600@25~80fps<br>• 1080P @25~60fps                                               |
|                                                       | video monitor 525 vidicon video out | MIPI DSI (screen display and video output, choose one)                                     |

|                   |                             |                                                                                                                        |
|-------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| vocalational work | Key distribution            | Key or rotary encoder: Power on/off/infrared light control, menu/back/shot mode, confirm, screen brightness-, contrast |
|                   | language                    | Simplified Chinese, English,                                                                                           |
| memory            | Storage card interface      | Supports built-in storage interface (up to 256G) and supports file transfer over data cable                            |
| General norms     | power supply mode           | Supports lithium battery power supply, supports IP67 aviation plug 5V 3A charging                                      |
|                   | Charging protection         | Support overcharge, reverse connection and short circuit protection                                                    |
|                   | size                        | 114*46*79 (mm)                                                                                                         |
|                   | weight                      | Does not include battery <245g                                                                                         |
|                   | power dissipation           | MAX ≤3w                                                                                                                |
|                   | operating temperature range | -20℃~60℃, humidity less than 95% (no condensation)                                                                     |
| Optional features | WiFi                        | Supports optional WiFi video transmission                                                                              |
|                   | peripheral interface        | Support optional dump truck bracket and custom bracket                                                                 |
|                   | Lighting fixture interface  | Support optional infrared backlight function                                                                           |