



SPS (SWIR POCKET SCOPE)

TARGET ACCURACY WITH ENHANCED SITUATIONAL AWARENESS

The compact SPS is a field-ready Short Wave Infrared (SWIR) viewer providing high resolution video during day and nighttime operations. The SPS provides operators with the following capabilities:

- See battlefield lasers day and night
- Covert out-of-band SWIR imaging (0.7 to 1.7 μm)
- ID, acquire and engage targets faster
- Image through haze, dust and smoke
- Enhanced battle damage assessment
- Reduce fratricide and collateral damage
- Save SWIR images and video to removable memory card

The SPS provides distinct advantages over other available viewer technologies, including visible (CMOS), thermal and night vision (I^2) systems. Battlefield laser aim points are easily identified, reducing both the time to engage targets and the risk of fratricide and collateral damage.

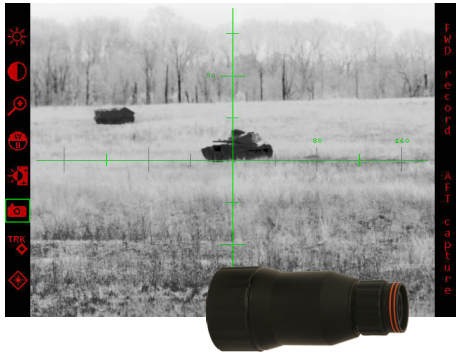
Bright lights and flashes do not degrade performance, as is common with other types of viewer technology. The SPS is also capable of imaging through conditions that degrade other systems, including haze, smoke and dust.

KEY FEATURES AND BENEFITS

- **Compact:** 6.0 x 2.6 x 3.0 inches (L x W x H) with 25 mm lens
- **Lightweight:** 1 pound
- **Modular:** Interchangeable lens options
- **Enduring:** >2 hours continuous operation at room temperature with two CR123A batteries
- **Sensitive:** Low light imaging and optimal detection throughout many aspect angles of NIR pointers, 1.06 μm laser designators and 1.55 μm eye-safe laser rangefinders in day and night
- **Detailed:** 640 x 500 resolution
- **Rugged:** MIL-STD-810G compliant design for temperature, transportability, immersion, sand, altitude, dust and humidity
- **Versatile:** Helmet and rail mountable, adjustable reticle, digital zoom, media recording, compatible with other Sensors Unlimited lenses

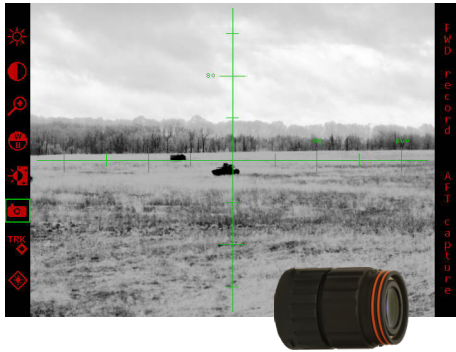


LENS SPECIFICATIONS



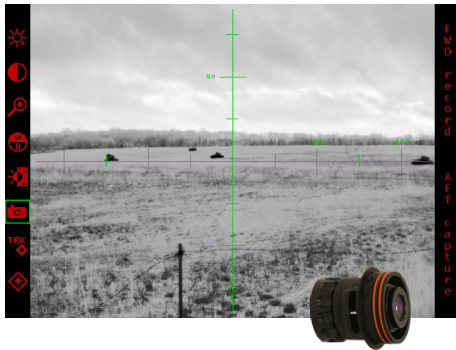
SUI Part #	8000-0878
Description	LENS ASSY, 128MM F/2.0 (L1)
Focal Length	128 mm
f/#	2.0
Field of View	3.6 degrees with SPS
Magnification	6.4X magnification (1.25*128/25) with SPS
Weight	~300 g
Length	170 mm
Diameter	64 mm

LENS SPECIFICATIONS



SUI Part #	8000-0876
Description	LENS ASSY, 50MM F1.4 (M1)
Focal Length	50 mm
f/#	1.4
Field of View	9 degrees with SPS
Magnification	2.5X magnification (1.25*50/25) with SPS
Weight	~100 g
Length	73 mm
Diameter	36 mm

LENS SPECIFICATIONS



SUI Part #	8000-1010
Description	LENS ASSY, 25MM, F1.4 (PS1)
Focal Length	25 mm
f/#	1.4
Field of View	18 degrees with SPS
Magnification	1.25 X with SPS
Weight	100 g
Length	~ 50 mm
Diameter	48 mm

$12.5/\text{pixel pitch} * \text{focal length in mm}/20\text{mm} = \text{Magnification (estimation)}$

Specifications subject to change without notice.



Model No: SPS Doc No: 4110-0408 Rev. 9 March 2019

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