Raytheon
An RTX Business

Sensors Unlimited: 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.

BENEFITS

- **Compact:** 6.0 x 2.6 x 3.0 inches (L x W x H)
- **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

The SPS SWIR Pocket Scope is a compact, battery-powered imaging device designed for field operations, providing high-resolution video day and night. It enhances situational awareness in battlefield and surrounding environments, aiding rapid target acquisition and intelligence gathering. Its small size and light weight enable easy concealment and portability, ideal for on-the-go operations.

Compared to thermal and night vision systems, the SPS offers distinct advantages. It effectively detects both continuous and pulsed battlefield laser aim points, reducing target engagement time and minimizing risks of fratricide and collateral damage. Its performance remains stable in bright lights and flashes, unlike traditional imaging technologies. Additionally, the SPS excels in imaging through challenging conditions such as light haze, smoke, and dust.

Key features include a removable memory card for snapshot and video capture of SPS imagery, enhancing intelligence gathering capabilities. It can also be mounted on compatible weapons and lasers using the helmet and rail mount, expanding its operational versatility.

Applications

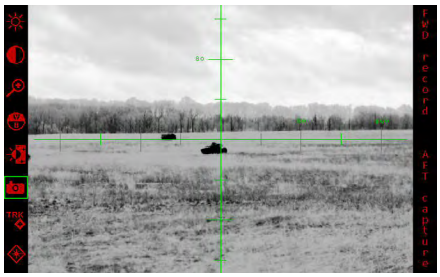
- See battlefield lasers day and night
- Covert out-of-band SWIR imaging (0.7 to 1.7 µm)
- ID, acquire and engage targets faster
- Image through haze, dust and smoke
- Enhanced battle damage assessment
- Reduce fratricide and collateral damage
- Save SWIR images and video to removable memory card

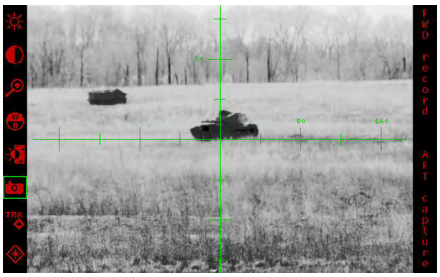
Sensors Unlimited: SPS SWIR Pocket Scope

Specifications (SPS)	
Compact	6.0 x 2.6 x 3.0 inches (L x W x H)
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 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 number	8000-0876
Description	50 mm F1.4 (M1), Lens assembly
Focal length	50 mm
f/number	1.4
Field of view	9 degrees with SPS
Magnification	2.5 times magnification (1.25*50/25) with SPS
Weight	~250 g
Length	73 mm
Diameter	52 mm

Lens specifications	
SUI part number	8000-0878
Description	Lens assembly, 128 mm F/2.0 (L1)
Focal length	128 mm
f/number	2.0
Field of view	3.6 degrees with SPS
Magnification	6.4 times magnification (1.25*128/25) with SPS
Weight	~700 g
Length	170 mm
Diameter	82 mm





Specifications subject to change without notice.

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