

Sensors Unlimited: SPS+MMT (SWIR Pocket Scope+Multi Mode Tracker)



Laser spot tracking with enhanced situational awareness

The SPS+MMT Warrior Handheld product line is a field-ready SWIR viewer that delivers high-resolution video and enables laser tracking and decoding of up to three independent sources.

BENEFITS

- **Tracking:** Laser tracking and decoding up to three pulsed laser sources (rangefinders or laser target designators/markers with NATO PRF codes)
- **See-spot:** User-selectable colored highlighting of all pulsed laser sources in field of view; enables daytime see-spot without filter
- **Compact:** 6.0 x 3.0 x 2.8 inches (L x W x H)
- **Lightweight:** <1.5 lbs.
- **Enduring:** Two 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 or night
- **Detailed:** 640 x 500 resolution
- **Rugged:** MIL-STD-810G-compliant design for temperature, transportability, immersion, sand, altitude, dust and humidity

The SPS+ Multi Mode Tracking System is a compact, battery-powered SWIR imaging device designed for field operations, providing high-resolution video and effective battlefield pulsed laser detection and decoding day and night. It identifies, decodes, colorizes, and overlays continuous and pulsed battlefield laser aim points with symbology, reducing target engagement time and enhancing situational awareness in the battlefield and surrounding areas.

Its small size and lightweight design allow for easy concealment and portability and ideal for mobile operations. Compared to thermal and night vision systems, the SPS+MMT maintains performance integrity in bright lights and flashes, and excels in imaging through adverse environmental conditions such as light haze, smoke, and dust.

Key features include a removable memory card for capturing snapshots and videos, enhancing intelligence gathering with on-screen display capabilities. The system can also be securely mounted on compatible weapons and lasers using rail mounts, boosting its operational versatility and integration capability.

Applications

- Simultaneous tracking and decoding of three pulsed battlefield lasers day and night
- Laser rangefinder track/decode
- Covert out-of-band SWIR imaging (0.7 to 1.7 μm)
- Image through haze, dust and smoke
- Enhanced battle damage assessment
- Reduce fratricide and collateral damage
- Save images and video to removable memory card

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Specifications (SPS-MMT)

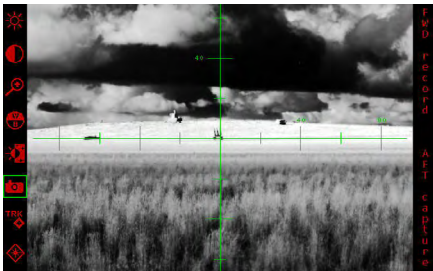
Compact	6.0 x 3.0 x 2.8 inches (L x W x H)
Lightweight	< 1.5 lbs. with 50 mm lens, filter and batteries
Modular	Interchangeable lens options (accomplished in under three seconds)
Enduring	Two hours continuous operation at room temperature with two CR123A batteries (user-selectable auto off power-saving function)
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 or night
Detailed	640 x 500 resolution
Rugged	MIL-STD-810G-compliant design for temperature, transportability, immersion, sand, altitude, dust and humidity
Versatile	Rail mountable, adjustable reticle, digital zoom, media recording, compatible with other Sensors Unlimited lenses
Tracking	Laser tracking and decoding up to three pulsed laser sources (rangefinders or laser target designators/markers with NATO PRF codes)
See-spot	User-selectable colored highlighting of all pulsed laser sources in field of view; enables daytime see-spot without filter

Lens specifications

SUI part number	8000-0876
Description	Lens assembly, 50 mm F1.4 (M1)
Focal length	50 mm
f/number	1.4
Field of view	11 degrees with SPS
Magnification	Two times magnification (0.8*50/20) with SPS+MMT
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	4 degrees with SPS-MMT
Magnification	5.12 times magnification (0.8*128/20) with SPS+MMT
Weight	~700 g
Length	170 mm
Diameter	82 mm



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Specifications subject to change without notice.



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