

SPS+MMT (SWIR POCKET SCOPE+MULTI MODE TRACKER)

LASER SPOT TRACKING WITH ENHANCED SITUATIONAL AWARENESS

The SPS+MMT is the first upgrade for the SPS hand-held product line. SPS+MMT is a field-ready Short Wave Infrared (SWIR) viewer enabling high-resolution video that provides laser tracking and decoding of up to three independent sources. The SPS+MMT provides operators with the following capabilities:

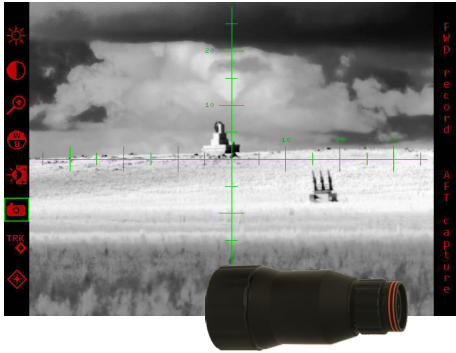
- Simultaneous tracking and decoding of three pulsed battlefield lasers day and night
- Laser range finder track/decode
- Covert out-of-band SWIR imaging (0.7 to 1.7 μm)
- Image through haze, dust and smoke
- Enhanced battle damage assessment
- Reduce fratricide and collateral damage
- Save images and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

The SPS+MMT provides distinct advantages over other available viewer technologies including visible (CMOS), thermal, and night vision (I2) 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+MMT is also capable of imaging through conditions that degrade other systems, including haze.

KEY FEATURES & BENEFITS

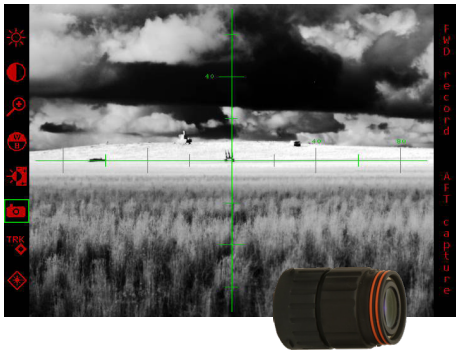
- **Tracking:** Laser tracking and decoding up to 3 pulsed laser sources (rangefinders or laser target designators/markers with NATO PRF codes)
- **See-spot:** User-selectable colored highlighting of all pulsed laser sources in field of view; enables daytime see-spot without filter
- **Compact:** 6.0 x 3.0 x 2.8 inches (L x W x H) with included 50 mm lens
- **Lightweight:** <1.5 lbs. with 50 mm lens, filter and batteries
- **Modular:** Interchangeable lens options (accomplished in under 3 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 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
- **Versatile:** Rail mountable, adjustable reticle, digital zoom, media recording, compatible with other Sensors Unlimited lenses

LENS SPECIFICATIONS



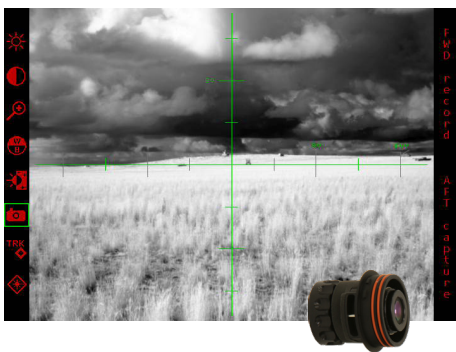
SUI Part #	8000-0878
Description	LENS ASSY, 128MM F/2.0 (L1)
Focal Length	128 mm
f/#	2.0
Field of View	4 degrees with SPS-MMT
Magnification	5.12 X magnification (0.8*128/20) with SPS-MMT
Weight	~300 g
Length	170 mm
Diameter	64 mm

LENS SPECIFICATIONS



SUI Part #	8000-0876
Description	LENS ASSY, 50MM F1.4 (M1)
Focal Length	50 mm
f/#	1.4
Field of View	11 degrees with SPS-MMT
Magnification	2 X magnification (0.8*50/20) with SPS-MMT
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	22 degrees with SPS
Magnification	1 X magnification (0.8*50/20) with SPS-MMT
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.



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