

TASE250 LWIR

COMPACT, LIGHTWEIGHT EO/LWIR IMAGING

A high-performance stabilized camera gimbal optimized for size, weight and power (SWaP)

The TASE250 LWIR is a 5.5 inch system that utilizes existing TASE family architecture to achieve best-in-class full motion video collection. The TASE250 imaging payload satisfies the increasing demand for exceptional full motion video performance through all periods of visibility.

The TASE250 LWIR includes operator-friendly software interfaces, onboard GPS/INS with integrated high accuracy geo-pointing and optional laser pointer.



KEY BENEFITS/FEATURES

- High performance and low SWaP at < 4.4 lbs / < (1.99 kg)
- 640 x 480 resolution EO / LWIR
- Laser pointer
- Integrated inertial measurement units (IMU) for accurate geo-pointing
- Designed to meet MIL-810G shock, vibration and environmental standards
- Integrated video processing system has key features: target tracking, scene steering, electronic image stabilization, KLV metadata, and H.264 video encoding stream
- ViewPoint software features complete control of TASE payloads - integrated moving map, real-time mosaicing, Path-Track and video recording

PAYLOAD PERFORMANCE

Field of regard: 360° Pan, +20° to -85° Tilt

2-Axis active stabilization

DAYLIGHT CAMERA

Fixed 25mm 10 MP CMOS

640 x 480 resolution

Stepped digital zoom: 4x

HFOV 14.5° - 2.5°

Wavelength: 400 to 700 nm

LWIR (LONG-WAVE INFRARED) CAMERA

640 x 480 resolution

Stepped optical zoom: 2.5x

Continuous digital zoom: 4x

HFOV 11° / 4.4°

Wavelength: 8 to 12 μm

LASER POINTER¹ (OPTIONAL)

Class IIIb laser ¹

830 nm (NVG band), 130 mW max

DATA & CONTROL INTERFACE

Ethernet

VIDEO OUT:

- (H.264): 640 x 480 30Hz

Metadata MISB compatible

MISB ST 0102.11, MISB ST 0601.9, MISB ST 0603.4, MISB ST 0604.3, MISB ST 0902.5, MISB ST 1204.1

ELECTRICAL

VIN: 16 - 30 Volts

(MIL-STD-704F)

Power: 28W (average)

100W (max)

MECHANICAL

Diameter: 5.5 inches (139.7 mm)

Height: 7.5 inches (190.5 mm)

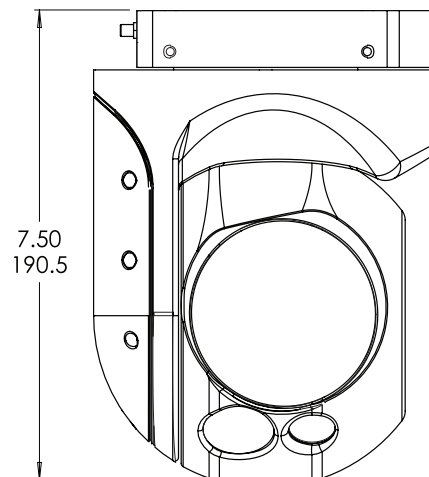
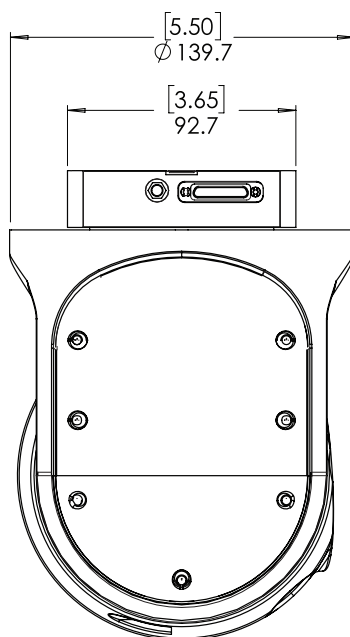
Weight: <4.4 lbs (1.99 kg)

ENVIRONMENTAL

Designed to MIL-STD-810G

Operating temperature: -20°C to +49°C

60g shock



Specifications subject to change without notice.