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 though all periods of visibility.

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

KEY BENEFITS/FEATURES

• High performance and low SWaP at < 4.3 lbs / < 1.95 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

collinsaerospace.com/tase
**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 10° -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 (HD) 11 / 4.4
Wavelength: 8 to 12 μm

**LASER POINTER (OPTIONAL)**
Class llb 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: 14 - 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: <4.3 lbs (1.95 kg)

**ENVIRONMENTAL**
Designed to MIL-STD-810G
Operating temperature: -20°C to +49°C
40g shock

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Specifications subject to change without notice.