



## TASE™400 LRS

# LONG RANGE DAY/NIGHT IMAGING

The Collins Aerospace TASE™400 LRS is the ultimate day and night imaging solution. It features a mid-wave infrared camera with continuous optical zoom down to 2.2° FOV, and a dual daylight imaging system with a high performance long range spotter camera capable of a 1.06° (SD) or 2.12° (HD) optical FOV. The 'LRS' series is designed to provide long-range daylight and night time surveillance for fixed wing, helicopter, manned and unmanned airborne applications.



### KEY BENEFITS/FEATURES

- High performance and low SWaP at 9.0 lbs / 4.08 kg
- Dual full motion EO imagers with long range spotter camera and continuous zoom MWIR camera
- Onboard GPS/INS - no external IMU needed for geo-pointing
- Common control and operator interface across TASE family of systems
- Environmentally sealed
- Onboard image processing capable of target tracking, scene steering and electronic image stabilization
- ViewPoint payload software features complete control of TASE payloads - integrated moving map, real-time mosaicing, Path-Track, and video recording

**PAYLOAD PERFORMANCE**

Rotation Limits: 360° continuous pan,  
+ 45°/-85° tilt

Slew Rate: 150°/sec

Payload Stabilization: 2-axis

**MID WAVE IR CAMERA**

10x optical zoom with continuous  
digital zoom up to 4x

MWIR: 3 to 5  $\mu\text{m}$

Resolution: 640 x 512

HFOV: 22° - 2.2° continuous

**DAYLIGHT CAMERA**

36x continuous optical zoom

HFOV: 57.8° - 1.7°

**SPOTTER CAMERA**

55x fixed zoom

HFOV: 1.06° (SD) / 2.12° (HD)

**LASER POINTER (OPTIONAL)**

Class IIIb laser<sup>1</sup>

830 nm (NVG band)

130 mW max

**CONTROL INTERFACE**

RS-232, CAN, Ethernet

**VIDEO OUT**

NTSC or H.264 with embedded KLV metadata

**ELECTRICAL**

VIN: 10 - 30 Volts

Power: 35W (average) 100W (max)

**MECHANICAL**

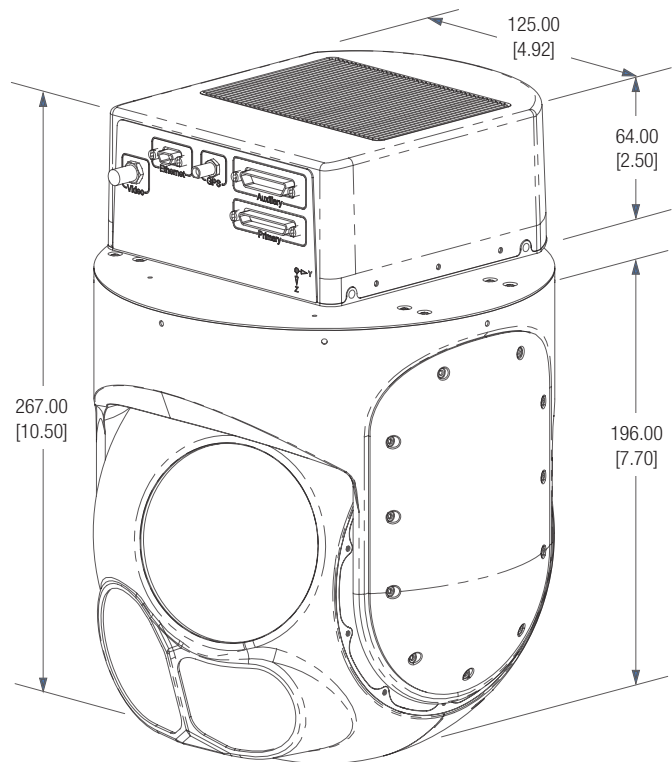
Diameter: 7 inches (177.8 mm)

Height: 10.5 inches (266.7 mm)

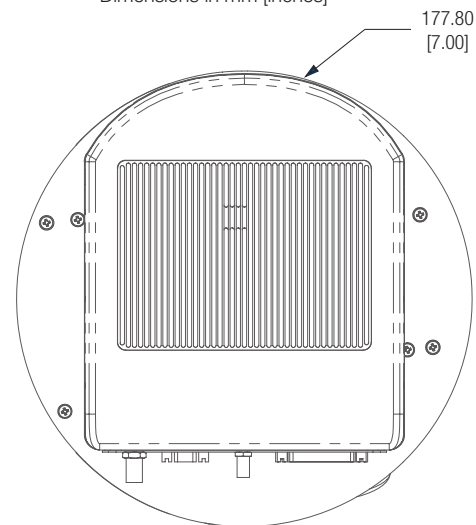
Weight: 9.0 lbs. (4.08 kg)

**ENVIRONMENTAL**

Operating Temperature: -20°C to +60°C



Dimensions in mm [inches]



Specifications subject to change without notice.