



# Cloud Cap Technology TASE400LRS

## Long Range Day / Night Imaging

The TASE400LRS is the ultimate day and night imaging solution. It features a mid-wave infrared camera with continuous optical zoom down to 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 superior nighttime imaging as well as long-range daylight surveillance for fixed wing, helicopter, manned and unmanned applications.

### Key Features

- High performance and low SWaP at 8.9 lbs / 4.04 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
- Fiber Optic Gyro (FOG) stabilization
- Common control and operator interface across TASE family
- 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, < 75 µRAD jitter

## Mid Wave IR Camera

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

MWIR: 3 to 5 µm

Resolution: 640 x 512

HFOV: 22° - 2.2 ° continuous

## Daylight Camera

31x continuous optical zoom

HFOV: 55.7° - 1.94°

Video Out: NTSC or PAL

## Spotter Camera

53x fixed zoom

HFOV: 1.06° (SD) / 2.12° (HD)

Video Out: NTSC or H.264

## Laser Illuminator (optional)

Class IIIb laser<sup>1</sup>

830 nm (NVG band)

150 mW max

## Control Interface

RS-232, CAN, Ethernet (with adaptor)

## Electrical

VIN: 10 - 30 Volts

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

## Mechanical

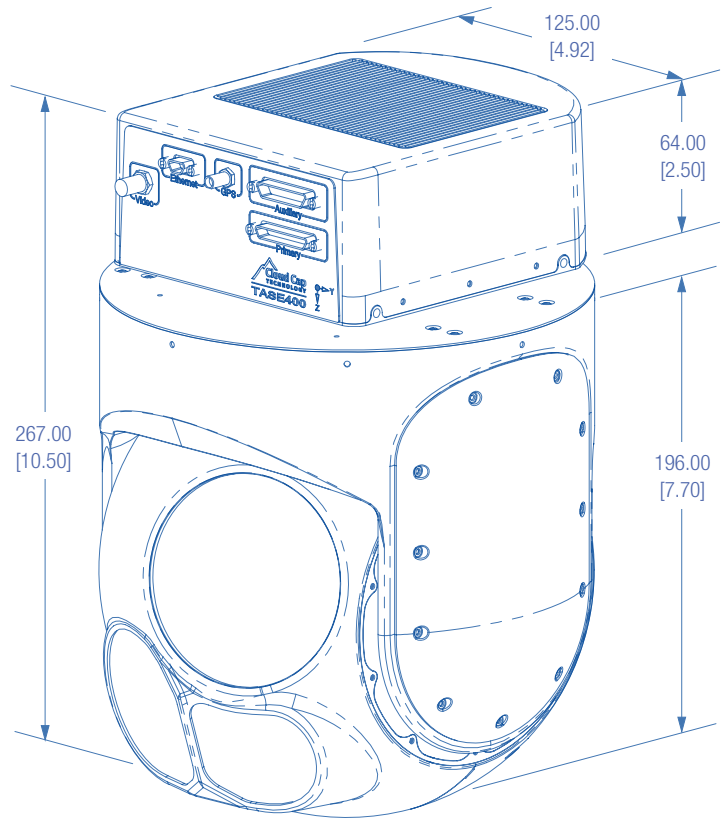
Diameter: 7 inches (177.8mm)

Height: 10.5 inches (266.7 mm)

Weight: 8.9 lbs. (4.04 kg)

## Environmental

Operating Temperature: -20°C to +60°C



Dimensions in mm [inches]

