



# Cloud Cap Technology TASE400HD

## Daylight HD with Night Imaging

Compact in size, light weight and full featured, the TASE400HD features a mid-wave infrared camera with continuous optical zoom down to 2° FOV. The 1280 x 720 HD daylight camera provides high definition imagery in a wide range of daylight conditions. The TASE400HD has superior stability performance and is designed to maximize day and night surveillance imaging for fixed wing, helicopter, manned and unmanned applications.

### Key Features

- High performance and low SWaP at 7.75 lbs
- Full motion HD daylight imager and continuous zoom MWIR thermal 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



**UTC Aerospace Systems**

### Payload Performance

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

Slew Rate: 150°/sec

Payload Stabilization: 2axis, < 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 480

HFOV: 22° - 2.2 ° continuous

### HD Daylight Camera

30x Optical Zoom

Resolution: 1280 x 720

HFOV: 39.7° - 1.4°

Video Out:

- SD: NTSC or PAL

- HD-SDI: 720P 30Hz

### Laser Illuminator (optional)

Class IIIb laser<sup>1</sup>

850 nm (NVC band)

150 mW max

### Control Interface

RS-232, CAN, Ethernet (with adaptor)

### Electrical

VIN: 10 - 30 Volts

Power: 40W (average) 125W (max)

### Mechanical

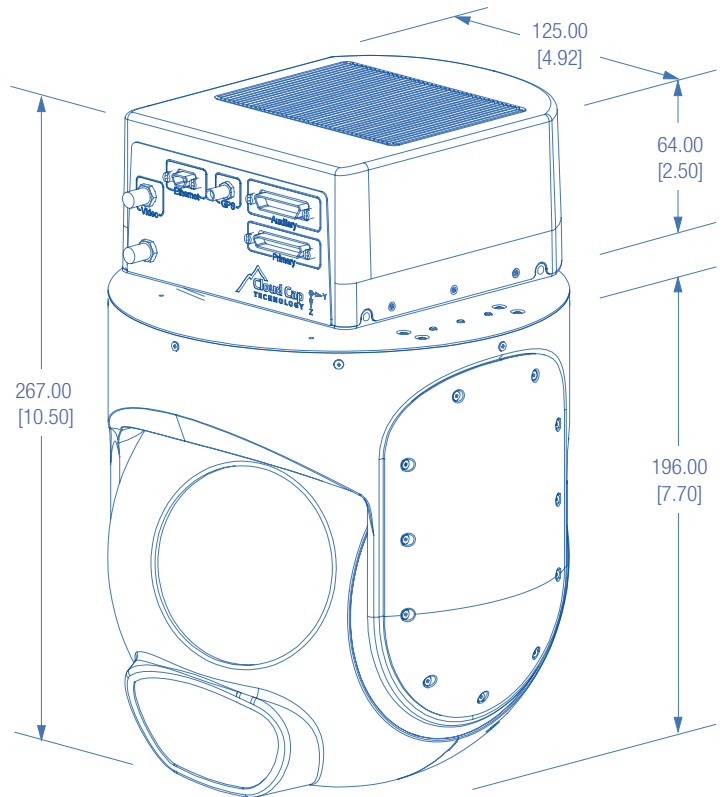
Size: 178 x 178 x 267 mm (7 x 7 x 10.5 inches)

Turret Diameter: 178 mm (7 inches)

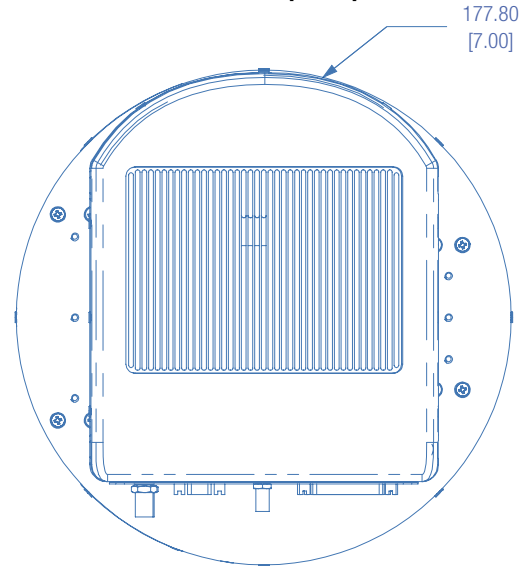
Weight: 3.5 kg (7.75 lbs)

### Environmental

Operating Temperature: -20°C to +60°C



Dimensions in mm [inches]



#### For additional information:

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Cloud Cap Technology  
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