



Cloud Cap Technology TASE400 Advanced Day / Night Imaging

Cloud Cap Technology's most advanced payload. The TASE400 features a mid-wave infrared camera with continuous optical zoom down to 2° FOV, a daylight camera, and industry leading stability with fiber optic gyros. A third payload bay is configurable to host a laser rangefinder and illuminator as well as a range of other options. This payload is designed to provide superior day and night surveillance imaging for fixed wing, helicopter, manned and unmanned applications.

Key Features

High performance and low SWaP at 7.5 lbs

Full motion EO imager and continuous zoom MWIR camera

Flexible 3rd bay for additional payload options

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: 2axis, < 75

µRAD jitter

Mid Wave IR Camera

10x Optical Zoom with continuous digital zoom up to 4x

MWIR: 3 to 5 μ m Resolution: 640 x 480 HFOV: 22° - 2 ° continuous

Daylight Camera

31x continuous optical zoom

HFOV: 55.7°- 1.94° Video Out: NTSC or PAL

Laser Rangefinder (optional)

Class I Eye-safe 1550 nm 4km range

Laser Illuminator (optional)

Class IIIb laser¹ 850 nm (NVG 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 260 mm (7 x 7 x

10 inches)

Turret Diameter: 178 mm (7 inches)

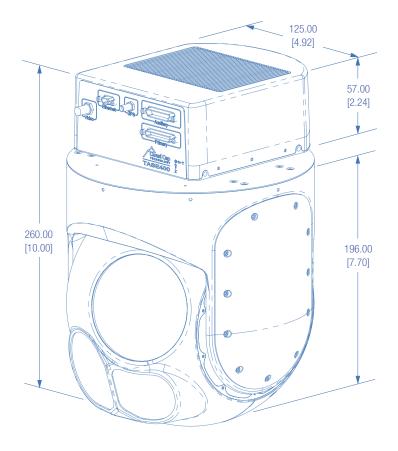
Weight: 3.4 kg (7.5 lbs)

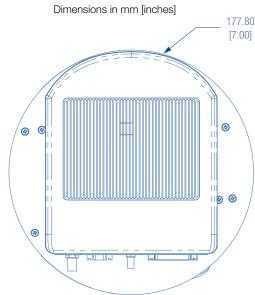
Environmental

Operating Temperature: -20°C to

+60°C







For additional information:

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