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 μm
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 laser
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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