The Collins Aerospace TASE400 is our most advanced imaging payload featuring a mid-wave infrared camera with continuous optical zoom down to 2° FOV, a daylight camera, and industry leading stability. 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 manned and unmanned airborne applications.

**KEY BENEFITS/FEATURES**

- High performance and low SWaP at 8.0 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
- 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

**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**
36x continuous optical zoom
HFOV: 57.8° - 1.7°

**LASER RANGEFINDER (OPTIONAL)**
Class I Eye-safe
1550 nm
4km range

**LASER POINTER (OPTIONAL)**
Class IIIb laser
830 nm (NVG band)
130 mW max

**CONTROL INTERFACE**
RS-232, CAN, Ethernet (with ethernet to serial adaptor)

**VIDEO OUT**
Video Out: NTSC or PAL

**ELECTRICAL**
VIN: 10 - 30 Volts
Power: 40W (average) 125W (max)

**MECHANICAL**
Diameter: 7 inches (177.8 mm)
Height: 10.5 inches (266.7 mm)
Weight: 8.0 lbs. (3.62kg)

**ENVIRONMENTAL**
Operating Temperature: -20°C to +60°C