



400 LE

MULTI SENSOR SURVEILLANCE PLATFORM

- High Resolution Thermal and Daylight Imagers
- Continuous Zoom for long standoff capabilities

Features like Geo-Reference and Video Tracking Interfaces for Moving Map and Search Light



400 LE



Responsive and accurate control

**With 5 axis active
stabilization**

**The perfect choice
for Demanding
Surveillance
Applications.**

Gyro Stabilized Gimbal

For stable imaging a fully digital 5-axis active gyro stabilization system compensate for the aircraft movements and vibrations.

Reliability and Lightweight

In order to ensure a reliable and lightweight gimbal solution, the Swesystem gimbals are designed and manufactured using an aluminum structure combined with composite covers.

Turret as Single LRU

The TCU is possible to operate as a single LRU, using digital interface.

On Screen Graphics

Operator on screen graphic information like camera angles, GPS, time and date.

Environmental Design

According to RTCA DO 160

IMU/INS for Geo-reference

Enabling GPS positioning of target.





400 LE Technical

Gimbal System

Type: Five Axis Active Gyro Stabilized Gimbal
Stabilization: $\approx 15 \mu\text{Rad}$
Coverage Az: 360° continuous
Coverage El: +90° to -120°
Dimension: $\varnothing 400 \text{ mm (15.7")}$
Weight: 30kg (66lb)
Power: 20-30VDC, 250W

Daylight Imager

Option: HD	SD
Type: Full HD 1080p	PAL/NTSC
Image Sensor: 1/2.8" CMOS	Super HAD CCD (1/4")
Number of pixels: $\approx 2,380,000$ Pixels	$\approx 570,000$ Pixels
Optical Zoom: 30x (60° to 2°)	40x (60° to 1.6°)
Digital Zoom: Yes	Yes

Thermal Imager

Detector: Cooled MCT
Array Size: 640x512 pixels
Spectral Range: 3-5 μm
NETD: <18mK
Lens: Continuous zoom
Fields of View: 39° to 1.8° (HFOV)

Object	Detection	Recognition	Identification
Man	9.7 km	2.9 km	1.55 km
Vehicle	16.6 km	6.4 km	3.5 km

Actual Range vary on a number of factors (camera setup, environmental condition, monitors etc)

Accessories

Standard config: Turret Camera Unit, Hand Controller Unit, Interface Unit, Cables
Optional: IMU/INS, Lasers, Video Tracker, SLASS/Moving Map Interface, Geo-Reference capabilities.
Installation Kit: Available for most helicopter types, please enquire.

