



SWE-300 LE

PROVEN, COST-EFFECTIVE, COMPACT 300mm MULTI SENSOR SURVEILLANCE SYSTEM

- High Resolution Thermal and TV Sensors
- Continuous Zoom for Optimal Situational Awareness
- Options for Geo-Reference and Video Tracking
- Interfaces for Moving Maps and Searchlights

GYRO STABILIZED GIMBAL

A fully digital 4-axis active gyro stabilization system compensates for aircraft movements and vibrations to provide stable imagery.

RELIABILITY AND LOW MASS

Gimbals are designed and manufactured using an aluminium structure combined with composite covers to provide a reliable and lightweight solution.

ON-SCREEN GRAPHICS OPERATION

The operator is provided with comprehensive on-screen graphics information including camera look-angles, GPS coordinates, time and date etc.

ENVIRONMENTAL DESIGN

According to RTCA DO 160

IMU/INS FOR GEO-REFERENCE

Enabling accurate target geo-location and geo-hold

NON-ITAR

Fully exportable in accordance with EU regulations



MULTI SENSOR SURVEILLANCE SYSTEM

The SWE-300 LE offers high performance in a compact size in the SWE- range of gimbal systems. The 300mm fully digital 4-axis gyro-stabilised platform provides good capacity for high performance sensor payloads

The SWE-300 LE can accommodate various payload options, including cooled thermal sensors, HD TV and lasers. Video target tracking, geo-location, and various laser rangefinders, illuminators and pointers are also available.



Additional Features

- Interface for remote control by third party devices
- Searchlight and Radar slaving interfaces.
- Accurate geo-location, geo-hold and distance measurements of objects
- Advanced video auto tracking for robust tracking of moving or stationary objects
- Compatible with augmented reality moving map systems for full situational awareness

GIMBAL SPECIFICATIONS

Type	Four Axis Active Gyro Stabilized Gimbal
Coverage Azimuth	360° continuous
Coverage Elevation	+90° to -120°
Dimension	Ø 300 mm (11.8")
Weight	18kg (39lb)
Power	22-30VDC, 250W

TV SENSOR

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

THERMAL IMAGER

Detector	Cooled MCT, focal plane array
Array Size	640x512 pixels
Spectral Range	3-5µm
Lens	Continuous zoom
Field of View	25° to 2.0° (HFOV)

Object	Detection	Recognition	Identification
Man	9.2 km	2.9 km	1.2 km
Vehicle	15.5 km	6.0 km	3.3 km

ACCESSORIES

Standard Configuration	Turret Camera Unit, Hand Controller Unit, Interface Unit, Cables, GPS antenna
Options	IMU/INS, Lasers, Video Tracker, SLASS/ Moving Map and Serial Interfaces, Geo-Reference capabilities.



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