



## 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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