



SWE-200 LE

Lightweight, Multi-Sensor Day & Night Imaging System.

Ideal for small Aircraft and UAVs.

4-AXIS GYRO STABILIZED GIMBAL

For stable, long range imaging, a fully digital 4-axis active gyro stabilization system compensates for platform maneuvering and eliminates external vibrations.

COMPACT AND LIGHTWEIGHT

The small size and low weight of the gimbal ensures minimal impact on the center-of-gravity, power draw, and mission endurance of the platform.

FLEXIBLE INSTALLATIONS

Trakka Systems works together with customers to provide flexible installation solutions to interface the gimbal to the aircraft, and fixed or mobile ground installations.

RELIABILITY – ENVIRONMENTAL DESIGN

In order to ensure reliability, the gimbal is designed according to RTCA DO 160 standards.

EXPORTABLE

Trakka camera systems are fully exportable in accordance with EU regulations.



TRAKKA SYSTEMS SWE-200 LE

The SWE-200 LE is a compact and lightweight dual-LRU multi-sensor surveillance system offering day and night mission capabilities. With a diameter of only 200mm, the SWE-200 LE is the only product in its class that provides a fully digital 4-axis gyro-stabilized platform making it the ideal choice for installation on aircraft or rotorcraft or vehicles where size and weight are challenging factors. The SWE-200 LE can accommodate various payload options, including thermal imagers, HD TV cameras as well as a laser rangefinder. Video auto tracking, geo-location, and various remote interface options are available.



SWE-200 LE

- Compact and lightweight
- High Resolution Day and Night Capabilities
- Uncompromised 4-axis Stabilization
- Geo-location and tracking
- Digital interface to mission equipment
- Exportable
- Operable as a single LRU

PERFORMANCE SPECIFICATIONS

GIMBAL SYSTEM

Type	Four Axis Active Gyro Stabilized Gimbal
Stabilization	~ 15 μradians
Coverage Az	360° continuous
Coverage El	+90° to -120°
Diameter	Ø 200 mm (7.8")
Weight	6-8kg (13-17lb)
Power	20-30VDC, 150W

DAYLIGHT SENSOR

Option	HD	SD
Type	Full HD 1080p	PAL/NTSC
Image Sensor	1/2.8" CMOS	1/4" Super HAD CCD
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	Uncooled Microbolometer
Array Size	640 x 512 Pixels
Spectral Range	7.5-13.5μm
Lens options	18, 25, 50, 60mm

ACCESSORIES

Sensors	IMU/INS, Laser Rangefinder
Accessories	Hand Controller Unit, Interface Unit, Cables, Video Tracker, Search Light/Moving Map Interface



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