SWESYSTEM

200 LE

COMPACT AND LIGHTWEIGHT SURVEILLANCE PLATFORM

- High Resolution Day and Night Capabilities

- Uncompromised 4-axis Stabilization

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

200 LE

Responsive and accurate control

The perfect choice for Low altitude Applications.

Ideal for small Aircrafts and UAV´s

Gyro Stabilized Gimbal
For stable imaging a fully digital 4-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.

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.

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200 LE Technical

Gimbal System		
Type:	Four Axis Active Gyro Stabilized Gimbal	
Stabilization:	≈ 25 µRad	
Coverage Az:	360° continuous	
Coverage El:	+90° to -120°	
Dimension:	Ø 200 mm (7.8")	
Weight:	6-8kg (13-17lb)	
Power:	20-30VDC, 150W	

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:	≈ 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 Micro bolometer
Array Size:	640x480pixels
Spectral Range:	8-14µm
Lens options:	18, 25, 50, 60, 75mm

Accessories	
Standard:	Turret Camera Unit
Optional Sensors:	IMU/INS, Lasers
Other Options:	Hand Controller Unit, Interface Unit, Cables, Video Tracker, SLASS/Moving Map Interface, Geo-Reference capabilities.

ALAVA INGENIEROS