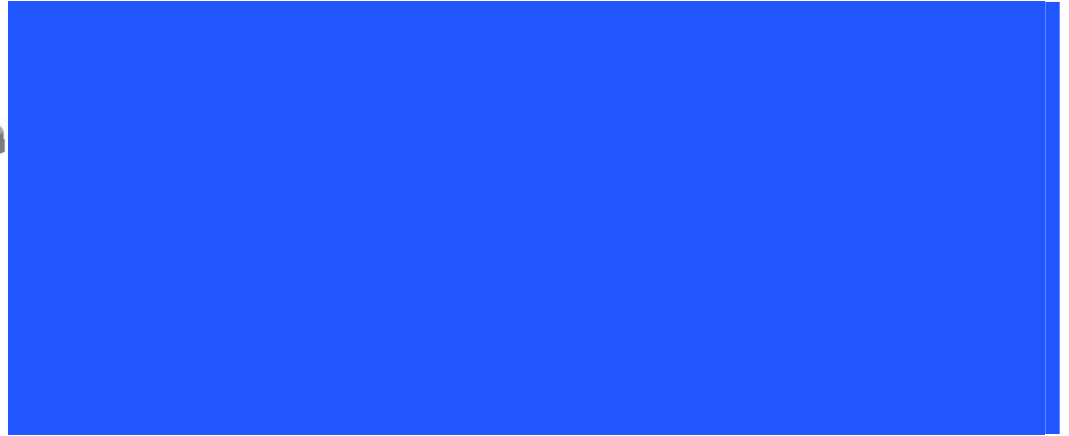




EOS Stabilized Surveillance System



APPLICATIONS

COASTAL SURVEILLANCE

MARITIME RECONNAISSANCE

COASTAL & HARBOUR PATROL

SEARCH & RESCUE (SAR)

NAVIGATION

VESSEL TRAFFIC MONITORING



HIGHLIGHTS and BENEFITS

Lightweight, 8" dual axis gyro-stabilized payload

Powerful, sensitive thermal imaging delivers crisp imagery through total darkness and most obscurants with detection beyond 10km

Powerful daylight /lowlight TV imaging (optional)
Enhances 24 hour operation with 26x/ 32x daylight color camera, assists in reading registration numbers and various daytime surveillance missions, gyro stabilization provides stable imagery in rough sea

Gyro stabilization provides stable imagery in maritime and airborne applications

Auto Tracker (optional) allows operator to lock onto targets and reduces fatigue-critical for long missions

Engineered to withstand the harsh conditions of maritime and airborne environments

Capable of integration with a variety of command and control systems, GPS devices, radar, moving map and searchlight systems

Easy and low cost maintenance





Technical Specifications

THERMAL IMAGING PERFORMANCE

Sensor type	3-5 μ m 640 x 480 Focal Plan Array
Wide FOV	25°
Medium FOV	6°
Narrow FOV	2°

DAYLIGHT IMAGING PERFORMANCE

CCD type	Color, 1/4", 740k pixels
Spectral Sensitivity	0.4 to 1.1 microns
Iris	Manual / Automatic
Focus	Manual / Automatic
Gain	Manual / Automatic
Zoom	X25 optical zoom

Gimbals

Roll-axis	$\pm 140^\circ$
Pitch-axis	-110° to +45°
Slew rate	Max 120°/sec
Stabilization	Better than 25 μ rad RMS on axis

POWER REQUIREMENTS

Power requirements	28 VDC
Power consumption	250W peak power, 100W continuous

OUTPUT

Video	NTSC or PAL video for day TV
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COMMUNICATIONS

	RS422, RS232 interface
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DIMENSIONS, WEIGHT

Dimensions	204mm diameter x 336mm height
Weight	9kg

MAINTENANCE

Limited Spare Parts are required
Supported by Nearby Maintenance Center
Short Turn Around Time
Low Total Operational Cost