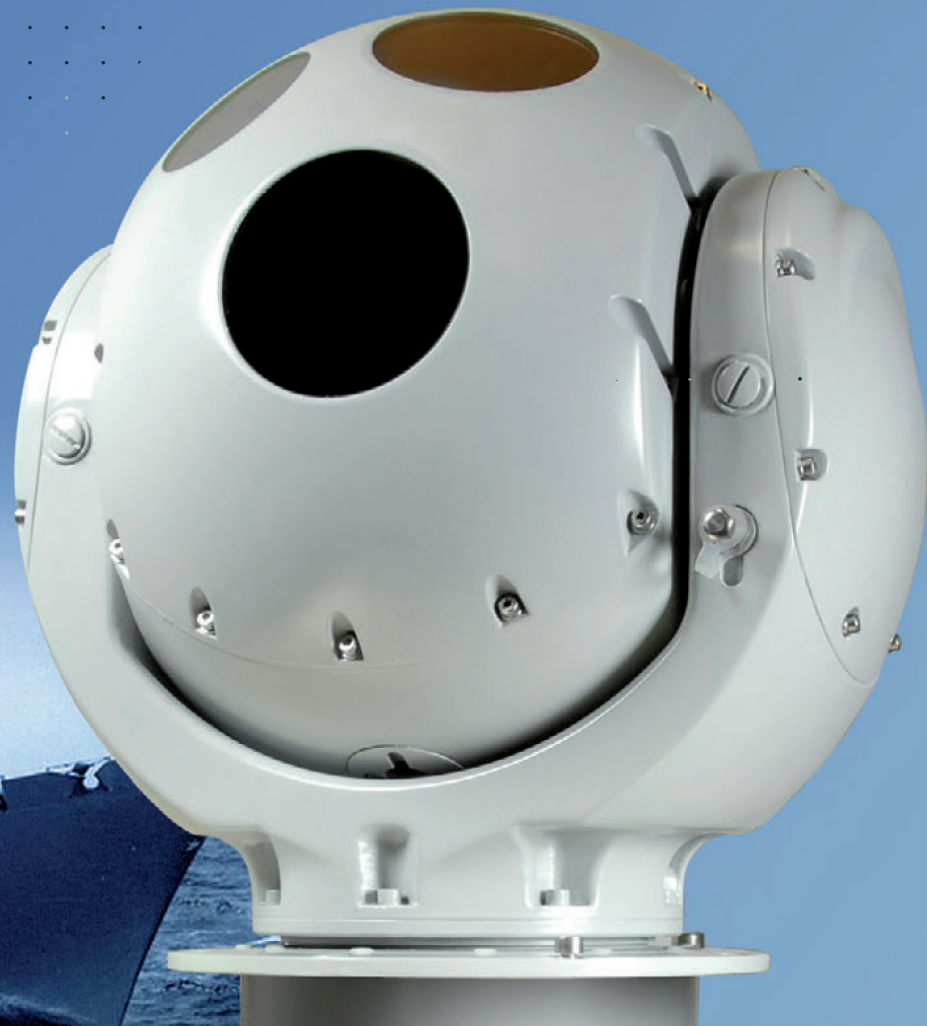


LEONARDO ELECTRONICS

JANUS-N

MULTI SENSOR NAVAL
SUITE



Designed to deliver combined medium and long range panoramic sight, day/night, all weather in rugged, sealed, self contained, compact package. JANUS-N is a field-proven, high performance stabilised multi sensor naval suite selected by the Italian Navy as surveillance sensor for sea patrolling.

It incorporates the company's high performance infrared, staring, focal plane array sensor technology for high resolution night vision and a high performance colour CCD TV with optional Laser rangefinder.

APPLICATIONS

- Day and night surveillance
- Search and rescue
- Situational awareness
- Maritime navigation and Patrolling
- Harbour Surveillance and Protection.

KEY BENEFITS

- Air, ground and sea target tracking
- Ease of operation
- Enables target detection in rough seas
- Capable of stand alone or integrated operations

TECHNICAL SPECIFICATIONS

USER INTERFACE

- Interfaces RS/422, Ethernet 10/100, S-Video, CCIR, XGA
- Controls Manual via joystick or by host system

SYSTEM PERFORMANCE

- Elevation -20° to +70°
- Azimuth coverage 360° continuous
- Stabilisation 2 axes gyro stabilised
- Stabilisation accuracy < 0.3 mrad RMS
- Maximum acceleration 2 rad/s²
- Rotation speed Elevation 1.0 rad/s
Traverse 1.5 rad/s
- Built-in test equipment Autocalibration and functional test at start up, on demand
- Optional user console

CCD TV

- Horizontal resolution 460 TV lines
- Zoom Continuous $\leq 2.4^\circ$ to $\geq 44^\circ$ (Optical)
Up to 10X (Digital)
- Video Output Standard PAL or RS 170

LASER RANGEFINDER (OPTIONAL)

- Eyesafe 1.54 μ m
- Range 100m-20,000m
- Resolution +/-5m

OPTIONAL FUNCTIONS

- Video Tracker
- Digital Video Recorder
- Washing kit
- Safety unit

THERMAL IMAGER

	ERICA	ERICA FULL FORMAT
• Detector type	HgCdTe (MCT) Staring focal plane array	HgCdTe (MCT) Staring focal plane array
• Size	384 x 288	640 x 512
• Pitch	20 μ m	16 μ m
• Operating temperature	-32° to +44°	-32° to +49°
• Operating voltage	28V DC (MIL-STD 1275 B)	28V DC (MIL STD 1275 B)
• Resolution	MCT	MCT
• Sensitivity	10 mK Typical	10 mK Typical
• Fields of view WFOV	$\geq 10^\circ$ (H) x 7.5° (V)	$\geq 10^\circ$ (H) x 7.5° (V)
• NFOV	$\leq 2.4^\circ$ (H) x 1.8° (V)	$\leq 2.4^\circ$ (H) x 1.9° (V)
• Digital zoom		2x, 4x, 8x
• Video output	European standard CCIR or American standard RS170	European standard CCIR or American standard RS170
• Cooling system	IDCA	IDCA
• LACE		YES



For more information:
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