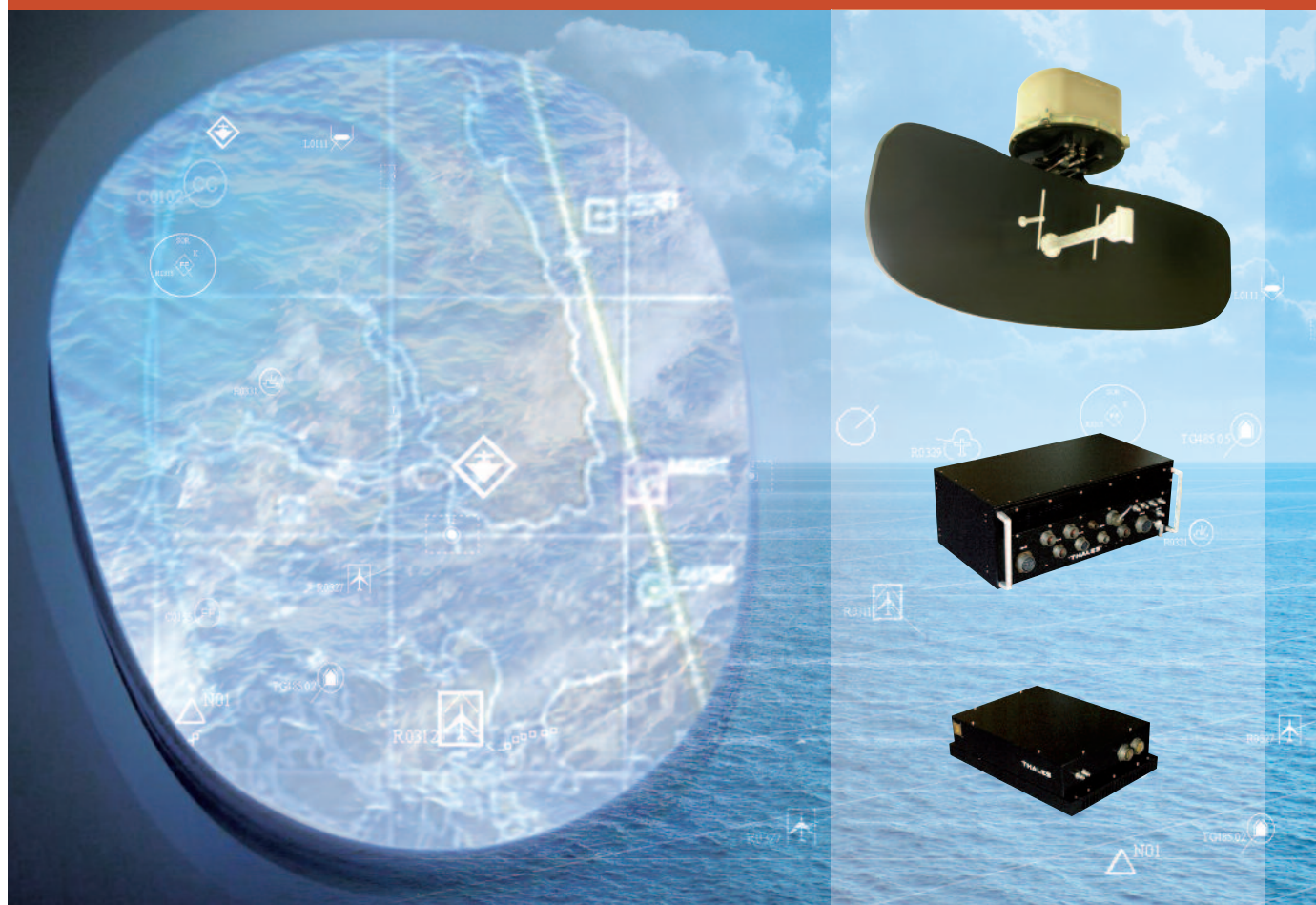


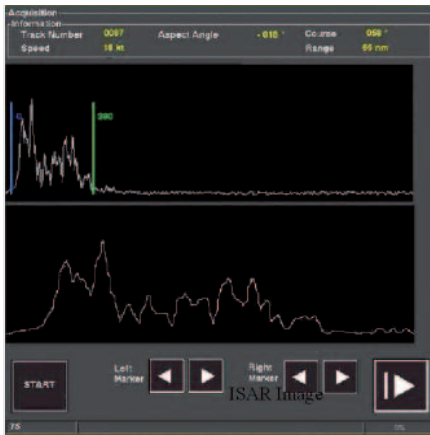
## AIRBORNE MULTIMODE RADAR

- ▷ Thales is a market leader in airborne multimode radars and one of the few companies in the world with the capability to design, develop and produce radars for maritime security missions. Ocean Master leverages 40 years of experience in this field. Designed to cover the entire spectrum of maritime air missions, Ocean Master meets all the requirements of maritime surveillance and patrol.
- ▷ Robust, lightweight, easy to install and simple to operate, Ocean Master is continuously evolving to address emerging maritime challenges from the open ocean to the littoral zone. Sophisticated design features combined with powerful signal processing algorithms deliver optimum effectiveness even in high sea state conditions.
- ▷ Today, numerous Ocean Master are in service worldwide, meeting the specific requirements of the armed forces and maritime agencies of countries including France, Indonesia, Japan, Malaysia and Turkey.

# OCEAN MASTER

## Maritime Surveillance and Patrol Radar





# OCEAN MASTER

## Airborne Maritime Surveillance and Patrol Radar

Thales is constantly evolving the Ocean Master system to provide current and future customers with the latest technologies and operational capabilities.

- Ocean Master's wideband frequency agility makes it resistant to countermeasures and improves detection performance in sea clutter.
- Ocean Master is a three-LRU system comprising one Exciter Receiver Processor (ERP), one Transmitter (TX) and one antenna unit.
- Ocean Master is available for installation on rotary-wing as well as fixed-wing aircraft.

### MISSIONS

Long-range detection up to 200 nm for blue water/brown water surveillance. High level of discrimination allowing multimode surveillance missions:

- High-traffic density areas
- Exclusive Economic Zone surveillance
- Illegal immigration control
- Fisheries protection
- Anti-smuggling
- Trafficking control
- Fight against piracy
- Prevention of asymmetric threats
- Search and rescue

With its high-level detection, automatic tracking and imaging performance, Ocean Master is ideally suited to complex missions in:

- Anti-surface warfare (ASuW)
- Anti-submarine warfare (ASW)

### MAIN RADAR FEATURES

- Search modes: Long Range/Short Range/Small Target
- Air target detection mode
- SAR and ISAR imaging modes
- Navigation and Weather Avoidance modes
- Dynamic Range profile
- Multi-target Track While Scan up to 200 tracks
- Moving Target Indicator
- Search and Rescue Transponder detection (SART)
- Oil spill detection

### DISPLAY FEATURES

- Uses Thales tactical command system
- Display scales: 4, 8, 16, 32, 64, 128, 256, 512 and 1024
- Sector scan: 15°, 45°, 60° and 90°
- Sector blanking: up to three sectors, each selectable between 30° to 330°
- Ground or aircraft stabilisation
- Freeze and offset capability

### PHYSICAL CHARACTERISTICS

- Weight: 85 kg
- Power supply: 28 VDC or 115 VAC
- Power consumption: 2.1 kW
- Two antenna sizes (IFF dipoles integrated)

### INTEGRATION/OPTIONS

#### Control and Display

- Ethernet or 1553B & RGB video
- Plug-in software
- AMASCOS™ console

#### IFF Interrogator/Transponder Navigation data

- ARINC 429 input
- TOTEM 3000 INS/GPS

#### AIS

#### FLIR slaving

Multi-function  
AMASCOS  
workstation

