



VIGILE 100

The latest tactical R-ESM System for surface and submarine platforms

With equipment installed by more than 40 Navies around the world, VIGILE is a sea proven system. Thales has extensive experience in R-ESM design, installation and integration and is the ideal partner for providing you with Electronic Warfare solutions.

MAIN CAPABILITIES

- 2 – 18 GHz instantaneous frequency coverage (0.5 – 2 GHz extension in option)
- 360° instantaneous Direction Finding
- Measures all radars with 100% POI
- Pulse-to-Pulse record & replay for ELINT purposes
- Multipath and reflection processing
- Surface, submarine and land-based versions
- Modern COTS-based design for high reliability

RF PERFORMANCE

- - 60 dBm automatic processing sensitivity
- 3° RMS amplitude DF measurement accuracy
- No-blind polarization

SIGNAL PROCESSING PERFORMANCE

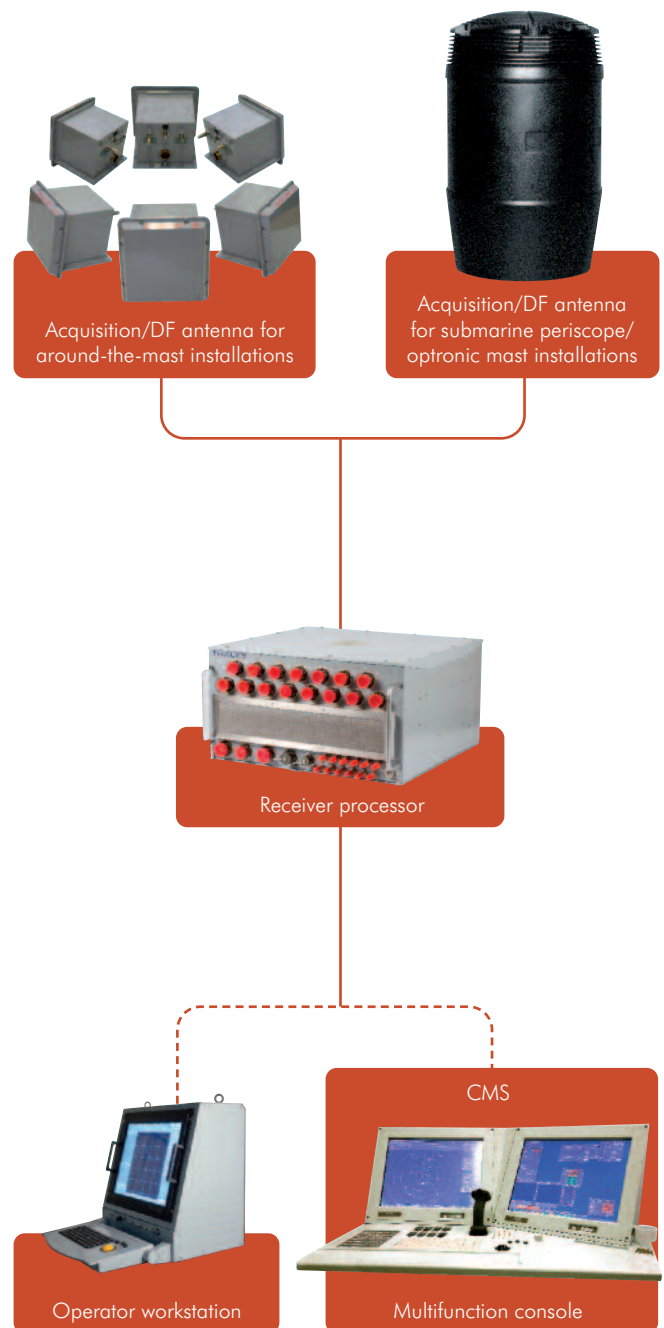
- Pulse-to-Pulse parameter measurement
- PDW pre-processing for high duty cycle signal environments
- 1 million Pulse Per Second (PPS), pulse density
- Up to 12,000 emitter mode threat library capacity
- 500 maximum simultaneous targets
- < 1 second reaction time

MAN-MACHINE INTERFACE

- Operation from dedicated workstation or CMS multifunction console
- Comprehensive library management tools
- Automatic diagnosis by BITE
- Flexible displays for tactical and ELINT analysis

OPTIONS

- Range of submarine ESM mast antenna units
- Full combat system integration
- System controller for R-ESM, DLS
- Integration with C-ESM



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