



STIR 1.2 EO Mk2

Radar and EO tracking system

Tracking radar for gun and missile fire control. Its high reliability and stealth target detection capabilities support long missions and operation in littoral environments.

> **Ship defence against stealth targets**

- Thanks to detection and tracking in both K and I-band.

> **Situational awareness and target observation**

- Full EO Suite for observation and tracking

> **High reliability supports long missions**

- Solid State transmitters

> **Trustworthy operation**

- Over 35 years of experience



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Main features

- Highly precision fire control for small to medium calibre guns and short range missile systems.
- Optional Continuous Wave Illumination for guidance of semi-active homing missiles such as ESSM.
- Small target detection in strong clutter.
- Radar surveillance mode for improved situational awareness and early threat detection.
- Observation, classification and tracking with multiple optical sensors.
- High system reliability thanks to Solid State transmitters.
- Easy maintenance through Built-In Tests and repair by replacement.

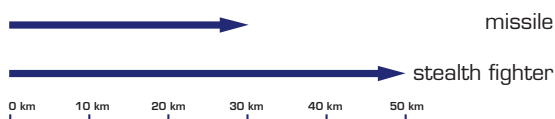
Missions

- Ship's defence against conventional and asymmetric threats.
- Fire control against missiles, fighters and surface targets.
- Operations in blue waters and the littoral.
- Supports Maritime Safety and Security missions such as law enforcement, anti-piracy, anti-smuggling, illegal immigration, Search and Rescue, etc.
- Long mission endurance



Performance

Typical target acquisition and tracking ranges:



Technical characteristics

• Sensors:

- Radar : I-band
K-band
- EO : Colour zoom camera
Infrared camera
Black & White camera
Laser Range Finder

• Antennas:

- Antenna type : Cassegrain with I and K-band monopulse cluster
- Diameter antenna : 1.2 m

• Transmitters:

- Transmitter type : Solid State

• Instrumented range:

- I-band : 120 km
- K-band : 36 km

Installation

Dimensions and weight

	Width (mm)	Height (mm)	Depth (mm)	Weight (kg)
Director	Ø2200	2412	-	750
Supply and amplifier cabinet Liquid Cooling	745	1230	445	150
Cabinet	600	1800	600	300
Air drier	350	910	230	40

Power Requirements

Voltage	Frequency	Phase	Power
115 V	60 Hz	3 ph	2.5 mA
115 V	60 Hz	1 ph	0.5 mA
440 V	60 Hz	3 ph	20 kVA

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