

Multi-Sensor Multi Mission Radar System

> The ENA-2084 MS-MMR is a mobile S-Band radar featuring an advanced 4D Active Electronically Steered Array (AESA) for Air Defense, Surveillance and Artillery Weapon Location (WLR) missions. The MMR is the radar sensor of the combat-proven Iron Dome.

The MS-MMR integrates active and passive sensors delivering higher quality Air Situation Picture (ASP) and weapons support under target saturated, background clutter and severe environmental conditions. The MS-MMR is a single-platform system using multi-band sensing, and a multi spectral sensor suite including an additional higher band radar, IFF, SIGINT, EO/IR, and Launch Detection Sensors (LDS) providing enhanced detection, classification, identification and tracking of all aerial threats. In addition, the system performs cross queuing between the passive and active sensors thereby improving overall performance.



MISSIONS



Air Defense



C-RAM

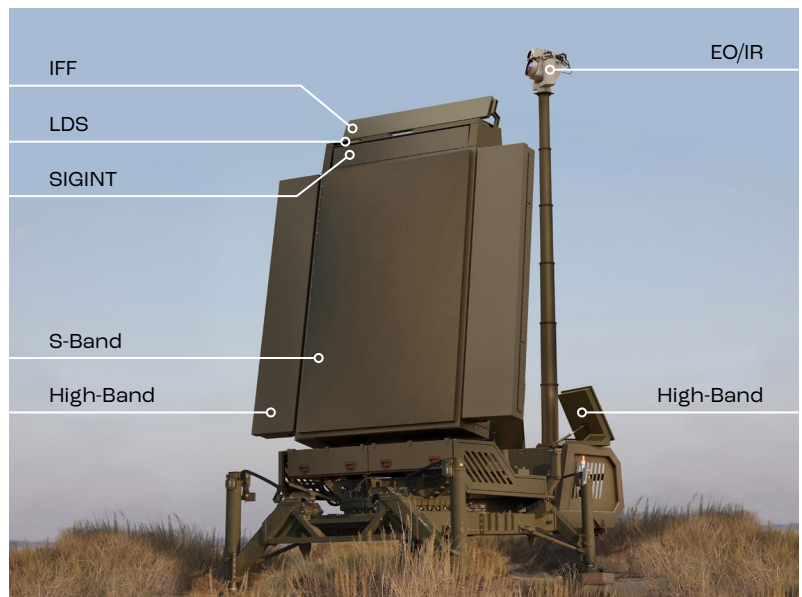
MS-MMR Sensors

| MMR S-Band | High Band radar | EO/IR | LDS | SIGINT |
|--|--|--|--------------------------|--|
| Rotating or Sector Mode | 4D, Multi-beam AESA | Thermal Imaging (TI), SWIR, color day camera, Visual recognition | EO/SWIR launch detection | Early Warning |
| High update rate | High resolution High accuracy | | 360° coverage | Automatic classification, identification and target discrimination |
| Sector of up to 120° | | | | |
| Advanced ECCM capabilities | Detects and tracks low, slow & small targets | Passive tracking | Target classification | Analyzing signals over a wide frequency range |
| Scalable to different sizes/configurations | Compliments coverage in sector mode | Kill assessment | Passive detection | High Sensitivity-long range detection |

*Actual figures depend on radar

Features

- High Quality Recognized Air Picture (RAP)
- Improved classification, identification and target discrimination
- Enhanced survivability and redundancy
- Support of Kill Chain and Kill Assessment
- Extended self-protection capabilities
- Robust and modular solution for dynamic scenarios and missions



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