



RTP RECONNAISSANCE AND TARGETING POD

ELM-20600





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ELM-20600 is an operational Reconnaissance and Targeting Pod (RTP) integrating high performance Synthetic Aperture Radar (SAR) imaging and designation of targets, Ground Moving Target Indication and Tracking (GMTI/T), maritime surveillance, and air-to-air situation awareness. The RTP is a complete all-weather, autonomous real time system, providing high quality radar images of ground targets and terrain from stand-off ranges, regardless of the environmental conditions such as clouds, rain, fog, or battlefield smoke. The RTP supports standard aircraft pod interfaces (mechanical, discrete, video, GPS) allowing for easy and quick installation.

Key Features

- Detection, classification, precision tracking and targeting of ground targets
- Long-range, wide area surveillance & reconnaissance
- Accurate threat geo-location
- Long Range BDA – Battle Damage Assessment
- Enhanced Situation Awareness of $\pm 100^\circ$
- Aircrew can select and designate targets of interest
- Flexible mission planning and real time target assessment
- Inflight SAR image recording capabilities

Modes of Operation

- **Spot SAR** - High resolution imaging of ground area of interest and esignating targets
- **GMTI/GMTT** - Detection, tracking & display of ground moving targets over SAR image or geographical map
- **Strip SAR** - Imaging of wide ground surface strip along the aircraft ground path
- **Sea Range Signature (RS)/Inverse SAR (ISAR)** - Detection, tracking and classification of maritime targets
- **Air-to-Air Mode** – Track-While-Scan, Single-Target-Track, Air Combat Mode

System Specification

Description	Parameters
Size Length / Diameter	220 Cm / 41 Cm
Weight	180 Kg
Power Consumption	3.1 KW AC / 100 W DC
BUS	MIL-STD-1553B
Electrical Interface	MIL-STD-1760
Operating Envelope	0 to 40,000 Ft

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