

SAR/GMTI Reconnaissance System for Combat Aircraft ■ EL/M-2060P



■ INTELLIGENCE, SURVEILLANCE, RECONNAISSANCE

General

The EL/M-2060P is a field-proven high performance reconnaissance system designed for combat aircraft. The system consists of the following subsystems:

- A detachable pod containing the Synthetic Aperture Radar (SAR) with Ground Moving Target Indication (GMTI). The pod is mounted externally on a combat aircraft
- A Ground Exploitation Station (GES)
- A bi-directional Data Link

The EL/M-2060P produces images that approach photographic quality and operates as a true all-weather, day and night sensor capable of penetrating, clouds, rain, smoke, fog and smog .

The images produced on-board are transmitted, via the built-in data link, to the advanced GES for interpretation and extraction of valuable Image Intelligence (IMINT) data. The data is also recorded on-board for re-transmission or further off-line interpretation on the ground.

Features

- All weather reconnaissance
- Stand-off or Stand-in (penetration) missions
- Real-time, on-board SAR imagery generation
- Long ranges and wide area coverage
- Ground Moving Target Indication (GMTI)
- Efficient imagery exploitation and reporting
- Flexible mission planning, management and real time mission re-tasking
- Self-sufficient autonomous system
- Simple to install on a broad selection of Combat Aircraft
- Minimal pilot workload for system operation
- Suited to operation and maintenance by the standard squadron organization

SAR/GMTI Reconnaissance System for Combat Aircraft ■ EL/M-2060P



Modes of Operation

STRIP Mode

- Fast coverage of very large areas at stand-off ranges
- Overall assessment of an entire region with sufficient mapping detail for target detection

SPOT Mode

- Detailed examination of a designated area of interest
- High resolution for target classification

STRIP/Ground Moving Target Indication (GMTI)

- Moving targets are highlighted on-top of the STRIP SAR image

Aircraft Installation

Physical Characteristics	
Weight	590 Kg. (1,310 lb.)
Self sufficient cooling system	
Aircraft Interfaces	
Video Output	RS-170 (05 CCIR)
Command & Control Bus	MIL-STD-1553
Power Supply	3.5 KW max. (3.0 KW typical)

1 Trailer-mounted Ground Data Link Terminal (GDT)

2 GES - Ground Exploitation Station

3 The SAR/GMTI Pod

Ground Exploitation Station (GES)

- Modular configurations: fix installation, transportable shelter or configuration tailored to user application
- Advanced data processing and friendly Human-Machine-Interface (HMI)
- Automatic and/or Computer-aided tools for data exploitation and intelligence reporting

Data Link

- ELTA's EL/K-1850 microwave data link family
- C, X or Ku-Band
- Full-duplex
- More than 250 NM range, depending on radio Line-Of-Sight (LOS)

www.elta-iai.com

ISRAEL Tel: (972)8-857-2312/2410. Fax: (972)8-856-1872

E-mail: market@elta.co.il

U.S.A. Tel: (703)875-3726. Fax: (703)875-3770

EUROPE Tel: (33)1-46.40.47.47. Fax: (33)1-46.40.47.48.

The contents of this brochure are presented as general information only and are not meant to, nor do they, constitute any representation or warranty by ELTA Systems Ltd. The contents are not meant to serve or be used in substitution for the information contained in any approved specification, manual or the like issued by ELTA Systems Ltd. The contents shall not in any way add to, amend, delete or change any term of any contract in which ELTA Systems Ltd. is a party.

 **ELTA Systems Ltd.**
Group & Subsidiary of ISRAEL AEROSPACE INDUSTRIES LTD.

Innovation. Solutions. Control.

www.elta-iai.com • E-mail: market@elta.co.il