



SIGINT Aircraft

ELI-3001





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ELI-3001 SIGINT Aircraft is a multi-mission platform designed to cope with modern challenges of electronic signal warfare. The system performs long-range, high-endurance Signal Intelligence (SIGINT) missions and provides vital tactical and strategic intelligence for on-board and ground real-time analysis and off-line debriefing (recording and playback). The solution is based on IAI-ELTA's extensive experience in developing airborne SIGINT platforms and special mission aircraft.

Residing on a high-performance, cost-efficient business jet, ELI-3001 comprises ELTA's latest ELINT and COMINT sensors and operator stations. The system searches, intercepts, measures, locates, analyzes, classifies and monitors radar and communications transmissions. A real-time Situation Awareness picture is created and EOB reports are provided to field commanders and intelligence agencies.

Missions

- Air Defense
- Air/Naval/Ground Superiority
- Stand-off Surveillance & Reconnaissance

System Characteristic

- High speed scan and search for signals within frequency bands of interest according to preprogrammed scan regime
- Signal acquisition parameter measurements
- Signal Direction-of-Arrival (DOA) measurements
- Fast Geo-location (FIX) of transmitting targets
- Analysis of new/unknown signals
- Management and handling of data bases (Radar Libraries and Frequency Scan Tables)

SIGINT Sensors

- ELINT with frequency range: 0.5 - 40 GHz
- COMINT with frequency range: 20 MHz – 3 GHz

Self - Protection Suite

- Radar Warning & Locating System
- Missile Approach Warning System
- Chaff & Flares

C4I

- LOS microwave data link
- SATCOM data link
- HF/VHF/UHF air-to-air and air-to-ground Radio Communication
- 10 multi-mission operator station

