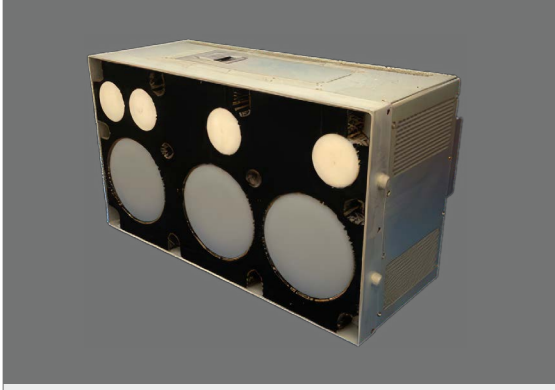
L3HARRIS®
FAST. FORWARD.

MINI-E

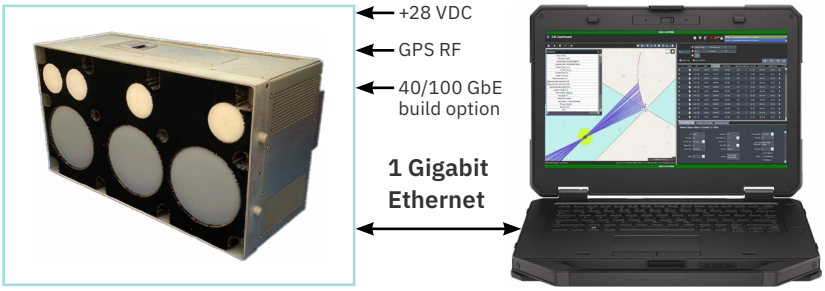
OLYMPIA ELINT in one LRU



The Olympia product line provides complete scalable radar detection, processing and geolocation solutions for situational awareness and threat warning, all in one line replaceable unit (LRU).

Mini-E is the newest member of the Olympia ELINT product line. It offers the same interfaces and operator software that customers are familiar with while significantly reducing the size, weight and power (SWaP) of the system. The SWaP reduction is achieved through the use of custom electronics but still maintains better than 1° direction-finding (DF) accuracy.

The complete system is made up of the Mini-E Antenna Interferometer that produces line of bearing (LOB) reports and a laptop (or other processor) that hosts the Olympia software that is responsible for turning the LOBs into typed emitter reports. The software plots the intercepts on a map and makes the intercept reports available to the user.



Software development kit available upon request

DATA DISTRIBUTION SERVICE

- LOB reports
- PDWs
- Command and status

OPERATOR WORKSTATION

- Mapped geolocation
- Emitter reports
- Situational awareness
- Sensor command and status

With its high probability of intercept and direction-finding accuracy, Mini-E satisfies ELINT missions in a single LRU form factor. The array's small size is a perfect fit for small aircraft, surface vessels, ground vehicles and other platforms.

FEATURES

- **Programmable scan plan**
- **Signal detection and measurement**
- **Deinterleaving**
- **Typing using ELINT notation file (ENF)**
- **INS for time and navigation**
- **500 GB SSD (FIPS-140-2 L2) build option**
- **Optional on-board secure storage**
- **Auto-ELINT scanning and search capability**
- **Can be pre-configured and used with no operator**

SPECIFICATIONS	
Frequency Range	0.5-18 GHz (extendable to 40 GHz)
Angle of Arrival Accuracy	< 1° (16 pulse rms avg)
Instantaneous Bandwidth	266 MHz (current) 500 MHz (future)
Geolocation Accuracy	< 2% of range to emitter
Sensitivity	-85 dBm
Dynamic Range	55 dB
Pulse Processing	Inter and intra pulse parameter measurement (including AOA) Modulation: LFM, NLFM, PSK, FSK
CW Processing	CW parameter measurement (including AOA) Modulation: FSK, PSK

The Mini-E user interface is common to all products in the Olympia family and provides three software applications for the operator: an EW dashboard for commanding the system and observing mapped emitter data, a GUI solution for mixed ELINT reporting (GSMER) providing near real-time situational awareness and the Polar LOB Display providing the user with direction of arrival for selected or all signals.

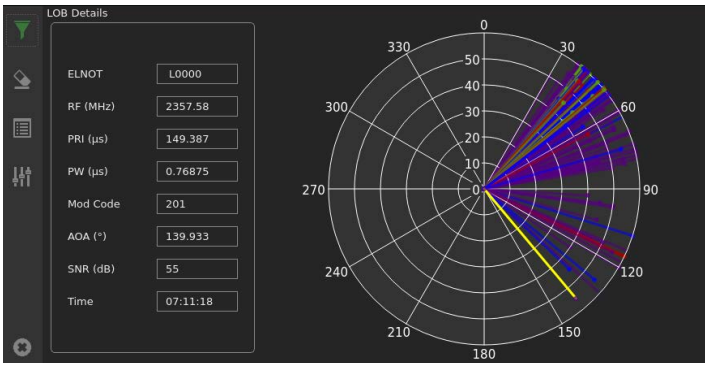


FIGURE 1: POLAR LOB DISPLAY

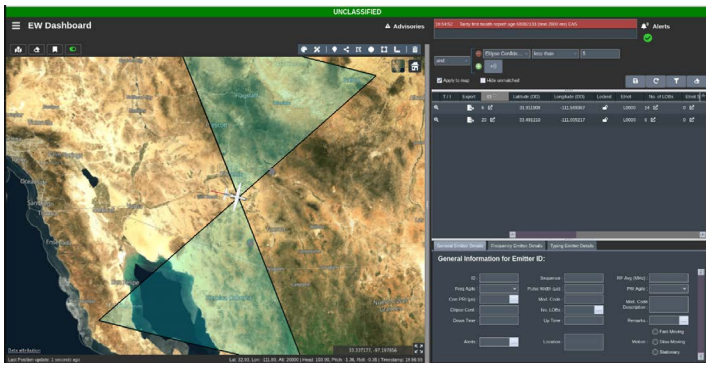


FIGURE 2: EW DASHBOARD

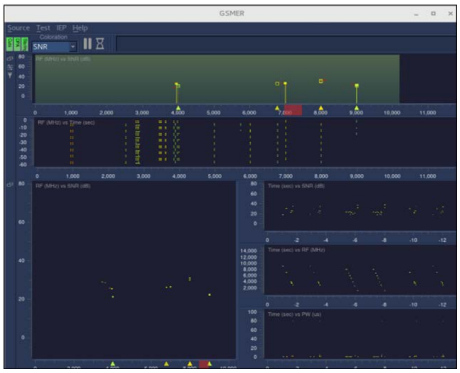


FIGURE 3: GUI SOLUTION FOR MIXED ELINT REPORTING (GSMER)

Mini-E

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