Telcofunken System Teknik

Cerberus

Parked multi-mode radar jammer in at least three variants (Cerberus II, III and IV). West German press reports suggest technical difficulties and the use of major non-German RF subsystems. In production for West German Tornados.

Enhanced RWR (ERWS-27)

Digital hybrid threat-warning system covering the C/D and E to J radar bands. Co-developed by Litton Systems and TST for German Tornados. In ECR Tornado, the Enhanced RWR will be integrated with the Cerberus jamming pod.

Elta

EL/K-1150

Synthesized COMINT receiver family covering the 20-1,000MHz frequency band. Three variants—K 1150R with full remote control, K 1150-180 covering the 20-180MHz band, and K 1150-1000 covering the 20-1,000MHz band. In service.

EL/K-1250

Synthesized COMINT receiver covering the 20-510MHz band. In service.

EL/K-7032

COMINT system covering the 20-500MHz frequency band. Comprises a supervisor (with two K 1150 receivers) and up to four traffic collection stations (each with up to four K 1150-1150 or K 1250 receivers). Reported to be in production and, as part of the EL/L-8300 strategic SIGINT suite, in service with the Israeli Air Force.

EL/L-8202

Packed radar jammer covering F-J bands. In service with the Israeli Air Force.

EL/L-8230

Internal dual-mode radar jammer covering G-J bands. In service with the Israeli Air Force.

EL/L-8231


ISRAEL

Elta

EL/L-8240

Reportedly an internal integrated EW suite with warning and multimode radar jamming sub-systems. Apparently offers wide frequency and angular coverage.

EL/L-8300

Strategic SIGINT suite covering the 0-5-18GHz frequency band for ELINT and the 20-500MHz band for COMINT. Comprises the L-8312A ELINT, K-7032 COMINT, and L-8350 command/analysis subsystems in the aircraft, supported by the L-8351 ELINT simulator, the L-8352 ELINT analysis system, and the L-8353 tactical analysis station on the ground. Suitable for large aircraft such as the Boeing 707. In service with the Israeli Air Force.

EL/L-8312A

ELINT system covering the 0-5-18GHz frequency band. Comprises the L-8312R microwave receiver, the L-8320 parameter measurement unit, and the L-8610 processor/display system. In service as part of the L-8300 suite.

EL/M-2150

Reported to be an active (?) missile warning system installed on Israeli Air Force Kfrr aircraft.

Radar warner covering the 2-18GHz (0-7-18GHz) frequency band. Can interface with ELINT systems using equipment described above, Elta/1A1 has created SIGINT installations for aircraft such as the C-130, Boeing 707/727/737, Electra, and Arava. Systems believed to have been procured from Argentina (Air Force Boeing 707 and Navy Electra), South Africa (Air Force Boeing 707) and Thailand (Arava).

Israel Military Industries

MPMN-36(V)

Chaff/flare dispenser. Launcher units can be configured for both internal and external applications. In service with the Israeli Air Force.

Samson

Israel Military Industries is believed to manufacture the Samson air-launched decoy used by the Israeli Air Force. One hundred Samsons have also been purchased by the USN.

RAFAEL

Rattler

Power-managed radar jammer aimed at search, tracking, and surveillance emitters. Although primarily a ground-based system, RAFAEL has proposed its use in helicopters such as the UH-1.

Tadiran-Elisra

ASC-500 (Tadiran)

COMINT system covering the 20-500MHz frequency band. Can be extended to cover the 1-5-1,000MHz band. Reported to be in production and in service.

AES-210 (Elisra)

Reported to be an ESM/radar warning system for helicopters.

CR-2800 (Elisra)

ESM/ELINT system covering the 0-5-18GHz frequency band. Reported to be capable of tracking up to 64 active emitters simultaneously at ranges of up to 330km. Reported to be in service with the Israeli Air Force.

LWS-20 (Elisra)

Microprocessor-controlled airborne laser warner. Reported to be both in production and in service.

Tadiran

SRS-25 (Elisra)

CAS or radar warning? reportedly being developed for Israeli forces.

Radar warner covering the 0-5-18GHz frequency band and designed for maritime-patrol aircraft such as the P-3, SH-60, and F.27 Maritime. System fit comprises cockpit/sensor operator displays, RF/IF systems, and transponder/interferometric antenna array in wingtip installations.

RAS-1B (Tadiran)

Interferometric ELINT system covering the 0-7-18GHz frequency band. Reported to be both in production and in service.

RAS-2A (Tadiran)

Interferometric ELINT system covering the 0-5-18GHz frequency band. Reportedly in development for small/medium transports, and to be currently in development.

RDR-500 (Tadiran)

Reported to be a D/F receiver covering the 200-500MHz frequency band.

SPS-20 (Elisra)

Radar warners covering the 0-7-18GHz frequency band with dedicated C/D radar jamming and optional CW cover. Suitable for both helicopter and fixed-wing applications. Likely to be in service with the Israeli Air Force.

SPS-65 (Elisra)

Combined radar/laser warner. Comprises the company’s LWS-20 laser warner, SPS-20 radar warner (0-7-18GHz), and SRS-25 superheterodyne receiver (6-5-18GHz CW signals). Reported to be in service.

SPS-200 (Elisra)

Radar warner covering the 2-18GHz (0-7-1, 3GHz C/D band) frequency range. Can interface with on-board radar, jammers, and dispensers (MPMN-36(V) and ALE-40). In service with the Israeli Air Force (Kfrr at least) and exported.

SPS-2000 (Elisra)

Radar warner covering the 2-18GHz (0-7-1, 3GHz C/D band) frequency range and integrated with chaff/flare dispensing subsystem. SPS-2000 is claimed to be capable against CW, high-PRF, and low-PRF signals “not recognised by conventional radar warning systems”. Reported to be both in production and in service.

SPS-3000 (Elisra)

Tentative designation for EW equipment (radar warning?) reportedly being developed for Israeli Air Force F-16s.

SRS-25 (Elisra)

Superheterodyne receiver covering the 6-5-18GHz frequency band. Claimed to be capable of handling CW, high-PRF, and medium-ERP radar emitters. Thought to be in production.