

AIRBORNE EARLY WARNING & CONTROL (AEW&C)

ELW-2090



Creating a Difference



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General

The ELW-2090 is IAI-ELTA's third generation of Airborne Early Warning & Control (AEW&C) systems, installed on an IL-76 heavy military transport aircraft. The ELW-2090 excels in wide area persistent air and ground surveillance.

The ELW-2090 employs a powerful command, control & communication system to integrate the data of the onboard sensors; Radar, IFF, ESM/ELINT, CSM/COMINT with multiple broadband datalinks. The ELW-2090 features an airborne command & control and network centric warfare operations post.

Main Features

■ IL-76 Aircraft

Long range, large cabin, 4-engine turbojet air-lifter. Extensive cabin space for the operator crew and a comfortable crew rest area for long endurance missions. Air-refueled for extending mission endurance.

■ Radar

Active Electronic Steering Array (AESA), L-Band radar with 360° coverage. Accurate 3-D tracks, low false alarm rate, flexible revisit time, ECCM and programmable search and track regimes.

■ IFF

Active Electronic Steering Array (AESA) embedded in the radar array, 360° coverage, long range, high accuracy.

■ ESM/ELINT & CSM/COMINT

Sophisticated signal intelligence capabilities, high probability of signal interception and high bearing accuracy.

■ Self-Protection Suite

360° coverage of passive radar warning receiver and active missile approach warning system. Programmable chaff & flares countermeasures.

■ Operator stations

11 flexible, interchangeable multipurpose, 24" windows-based workstations, efficient control of all sensors, comprehensive Command & Control

■ capabilities.

Communication Suite

Interoperability with Air Force, Navy and Ground Forces. HF and V/UHF radios, SATCOM, VOIP, secure Voice, integrated intercom and secure LOS datalink.

Mission Support Systems

■ Mission planning station

■ Post mission debriefing system with SIGINT analysis package

■ Mission operator training system with high fidelity simulator