

FAMILY OF KING AIR ISR AIRCRAFT

L3Harris is the industry leader in modifying King Air aircraft for intelligence, surveillance and reconnaissance (ISR).

L3Harris' family of King Air ISR aircraft, known as the SPYDR family, provides the optimum solution for airborne ISR missions. L3Harris has over 65 years of experience providing complex ISR capabilities. Since 2009, we have produced more than 70 missionized King Air 350 aircraft for various customers supporting missions around the globe.

The King Air aircraft has proven to be a very reliable, high-performance platform, excellent for integration of multi-sensor mission systems. The L3Harris SPYDR family of King Air ISR aircraft provides critical collection, processing, exploitation and dissemination (PED) capabilities.

SPYDR I Gen 2 Modifications

- > Includes all SPYDR-family common capabilities (detailed on the next page)
- > Nose extension for WESCAM MX™-15 EO/IR sensors or similar shape/mass
- > Additional communication intelligence (COMINT) capabilities

SPYDR II with RAPDS™

- > Includes all SPYDR-family common capabilities
- > Compatible with SPYDR nose extension for WESCAM MX™ -15 EO/IR sensors or similar shape/mass
- > Rapid aircraft payload deployment system's (RAPDS') modular payload, interior and hardpoints design adapts quickly to various mission configurations between sorties in a matter of hours
- > Multiple supplemental type certificates (STC) enable substantial aircraft tailoring to meet customer requirements with minimal new design effort
- > Roll-on/roll-off infrastructure
- > Multi-section ventral fairing and radomes: slick, ISR and maritime interchangeable configurations
- > Modular baseplates with standardized mounting
- > Distributed power, ethernet networks, global positioning system, inter-communication system and OmniBus
- > Operator workstations and equipment racks



 ACTIONABLE INTELLIGENCE



SPYDR II
WITH RAPDS



SPYDR I
WITHOUT NOSE EXTENSION



SPYDR I
IN MILITARY GRAY WITH
NOSE EXTENSION ADDED

SPYDR-FAMILY COMMON CAPABILITIES

Mission Crew

- > Pilot, co-pilot/mission commander plus one-to-three sensor operators

Mission Management System

- > L3Harris Viewpoint software
- > L3Harris ForceX Widow® software
- > Sensor cross-cue and cursor-on-target
- > Independent mission computers
- > Multi-level secure networks
- > Network attached storage
- > Mission data record and playback
- > Flight deck situational awareness
- > Operator consoles with dual, 21" HD monitors

Mission Sensors

- > Signals intelligence (SIGINT) sensor
- > L3Harris Rio
- > HD electro optical/infrared (EO/IR)
- > L3Harris WESCAM MX™-family and others
- > Radar
- > Active electronically scanned array, synthetic aperture radar or moving target indicator
- > Other sensors are available for integration

Mission Communications

- > Crew intercommunications
- > High-Frequency (HF) over-the-horizon and very/ultra HF (V/UHF) line-of-sight (LOS) tactical communications
- > UHF military satellite communications (SATCOM)
- > Ku/Ka SATCOM wideband datalink
- > Ku LOS common tactical datalink
- > L-, S- and C-Band LOS VORTEX datalink
- > Voice over internet protocol (VoIP) and blue force tracker
- > Remote sensor operations

Self-Protection

- > Missile warning sensors
- > Countermeasures dispenser system

Identify Friend-Foe

- > APX-119 and others

Aircraft Modifications

- > FAA STCs
- > Lightweight soft liners
- > Lightweight equipment racks
- > Multi-section ventral fairings and radomes
- > Paint to customer requirements
- > Extensive design knowledge of King Air aircraft
- > Emergency survival equipment

Family of King Air ISR Aircraft - Rev A_012020

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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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