



## AN/APX-114

# ADVANCED, LIGHTWEIGHT AND COMPACT

## Rapid target identification in combat

Quickly identifying a target as friendly or a threat is a critical mission capability. Collins Aerospace AN/APX-114 long-range identification friend or foe (IFF) interrogator offers advanced processing to rapidly identify targets.

Compact, lightweight and field-proven in combat identification, Collins AN/APX-114 was selected by the U.S. Air Force

and foreign allies to be used in the F-15 and maritime patrol aircraft, such as the C-27 J and P-3 platforms. The system was designed to replace the APX-76 airborne interrogator and offers a plug-and-play solution for F-15 aircraft equipped with APG -63, -70 and -82 AESA radars. It offers Mode 5 capability when operating with the KIV-77 Mode 5 crypto applique.

AN/APX-114 is designed with an open architecture that enables maximum system flexibility and supports practical upgrades.



## KEY FEATURES & BENEFITS

- AIMS 17-1000 Mark XIIB Interrogator
- Supports modes 1, 2, 3/A, C, 5
- Compatible with KIV-77 crypto computer applique
- Compatible with ESA and mechanical scan antennas
- Plug-and-play upgrade on all existing F-15 variants
- Open architecture
- RT and target evaluator in one package
- User programmable interfaces
- Digital target reports
- Control and status via Ethernet or MIL-STD-1553



# APX-114

## SPECIFICATIONS

Transmit power	2,500 watt peak power
Receiver Sensitivity	-83 dBm (measured at front panel)
Transmit Frequency	1030 ±0.01 MHZ
Receiver Frequency	1090 ±0.2 MHZ
Bandwidth (3 dB)	8 to 10 MHZ
Transmit Duty Cycle	1% maximum
Reliability	4,175 hours MTBF (airborne uninhibited fighter)
Weight	28 lbs
Dimensions (H x W x D)	5.5 in. x 8.0 in. x 17.2 in.



*When paired with the AS-4664 antenna, the APX-114 provides electronic scan capability to augment AESA radar capability*

Specifications subject to change without notice.



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