

AN/ALQ-99I [ICAP-2 Block 89] ECM Pod

Sensor Pod

Type: Sensor Pod

Weight: 435.0 kg

Length: 0.0 m

Span: 0.0 m

Length: 0.0 m

Diameter: 0.0

Generation: None



Sensors / EW:

- AN/ALQ-99I [ICAP-2 Block 89] - ECM, OECM, Offensive ECM, Max range: 0 km

Weapons / Loadouts:

- AN/ALQ-99I [ICAP-2 Block 89] ECM Pod - Sensor Pod.

OVERVIEW: The AN/ALQ-99 Tactical Jamming System (TJS) is a noise jamming pod that automatically intercepts and processes surveillance, acquisition and tracking radar signals and manages the system's transmitters to effectively jam large numbers of diverse radar threats with very high effective radiated power (ERP).

DETAILS: The AN/ALQ-99 TJS is an active jamming pod consisting of a Ram Air Turbine (RAT) powering a Universal Exciter Unit (UEU) and two transmitters. The UEU generates the appropriate jamming signal based on computer analysis, and directs a jamming signal that is sent from two 2 kW transmitters utilizing two steerable, high-gain antennas. The ALQ-99 has several noise/spot-noise jamming modes, and can be operated in Automatic, Semiautomatic and Manual modes.

NOTES: The AN/ALQ-99F reportedly uses digitally steered antennas and may be capable of communications jamming in addition to radar jamming. It also incorporates a datalink, allowing several jamming aircraft to share data on hostile electronic order of battle and transmitter locations.

SOURCES: Federation Of American Scientists, "AN/ALQ-99 Tactical JammingSystem (TJS)." Accessed November 9, 2014. <http://fas.org/man/dod-101/sys/ac/equip/an-alq-99.htm> ; Jane's Electronic Mission Aircraft, "AN/ALQ-99 Tactical Jamming System (TJS) ," 11 January 2011; Air Power Australia. "THE ANATOMY OF THE TACJAMMER." Accessed November 9, 2014. <http://www.ausairpower.net/TE-Tacjammer.html> ; Friedman, Norman, and Norman

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Friedman. The Naval Institute Guide to World Naval Weapon Systems. Annapolis, Md: Naval Institute Press, 2006, pg 408-09.