

AN/ASD-12 SHARP Pod [EO + IR + SAR] (ATARS)

Sensor Pod

Type: Sensor Pod

Weight: 954.0 kg

Length: 4.8 m

Span: 0.7 m

Length: 4.8 m

Diameter: 0.0

Generation: None



Properties: Pod - Recon, Night Capable

Sensors / EW:

- AN/ASD-12 SHARP [SAR] - Radar, Radar, Surface Search, Medium-Range, Max range: 222.2 km
- AN/ASD-12 SHARP [Visual Camera] - Visual, Visual, Reconnaissance Frame Camera, Max range: 9.3 km
- AN/ASD-12 SHARP [IR Camera] - Infrared, Infrared, Reconnaissance Frame Camera, Max range: 9.3 km

Weapons / Loadouts:

- AN/ASD-12 SHARP Pod [EO + IR + SAR] - (ATARS) Sensor Pod.

OVERVIEW: The AN/ASD-12 Shared Reconnaissance Pod (SHARP) is an external pod mounted, day/night, all-weather, high-resolution, digital tactical air reconnaissance system.

DETAILS: The AN/ASD-12 SHARP is an advanced day/night and all-weather reconnaissance pod used by the USN for tactical manned airborne reconnaissance on the F/A-18F. The SHARP pod houses a dual-band electro-optical/infrared (EO/IR) sensor that is capable of delivering very high resolution tactical reconnaissance imagery. It also contains a synthetic aperture radar (SAR), as well as a near-real time datalink capability capable of transmitting data to both afloat and shore based Joint Service Imagery Processing System (JSIPS) stations.

NOTES: The AN/ASD-12 was delivered to the USN in 2002. Although primarily intended for use on the F/A-18 E/F, it is capable of being flown on a wide variety of aircraft.

SOURCES: Space Dynamics Lab. "Space Dynamics Lab." Accessed November 19, 2014.

<http://www.sdl.usu.edu/programs/sharp> ; Raytheon: Customer Success Is Our Mission. "Raytheon: F/A-18 Air

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