

BAE SYSTEMS



Hammer
SIGINT system

baesystems.com/SIGINT

The Hammer system is an open architecture airborne signals intelligence (SIGINT) payload that detects, locates, and identifies emitters to provide full-spectrum awareness and actionable intelligence to operational users. It can be carried under the aircraft wing or internally, via a rack-mounted configuration. This full-system solution includes a processor, antennas, ground station, aircraft A-Kit interface, associated support equipment, and engineering services. The Hammer system delivers tomorrow's capability, today.

Delivering full-spectrum awareness and actionable intelligence



MQ-9 Reaper with Hammer pod attached



Enclosed Hammer chassis system

Key features and benefits

System versatility enables the support of full-spectrum operational scenarios, including electronic order of battle generation and precision geolocation

Mature technology leveraged from multiple programs reduces development costs, risk, and time-to-field

Flexible hardware enables installation under the wing (pod), or internally (rack-mounted chassis)

Self-contained, integrated packaging provides space for additional payloads and increased time-on-station

Software-driven operation with in-flight reconfigurability enables operators to adapt in real time as missions evolve

Options for Line-Of-Sight (LOS) and Beyond-Line-Of-Sight (BLOS) networks permit operation at home and in austere deployed environments

Modular, open architecture uses commercial hardware for increased reliability

Flexible and intuitive software design integrates seamlessly into existing command and control infrastructures and workstations

Software application framework allows for rapid adaptation to new threats and missions

Specifications

3U OpenVPX standards based processing

SWAP: <1200 Watts, <300 lbs

Wideband detection, identification, copy and Pre-D data collection

Conventional and modern signal exploitation

Single ship geolocation

360-degree field of view

Unclassified at power-off

Conduction cooled for high-reliability in deployed environments

Easy access maintenance port for unclassified flight-line operations

Cyber secure via risk management framework

Ground station terminal units, including real-time PED controllers and post-processing workstations

For more information contact:

BAE Systems

Mark Bjorgen

T: 1 603 885 7941

E: mark.bjorgen@baesystems.com

W: www.baesystems.com

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