

HC-130J LONG RANGE SURVEILLANCE AIRCRAFT



Acquisition Directorate

CHARACTERISTICS

Length:	97 feet 9 inches
Wingspan:	132 feet 7 inches
Height:	38 feet 11 inches
Maximum Weight:	155,000 pounds
Cruise Speed:	320 knots true airspeed
Range:	4,900 nautical miles
Endurance:	20+ hours



HC-130J Super Hercules



FEATURES

- Standardized Minotaur mission system across all Coast Guard fixed-wing aircraft (installation in progress)
- Real-time tracking and Rescue 21 integration to enhance common operating picture and maritime domain awareness
- Advanced radar and electro-optical/infrared sensors for search and rescue, law enforcement and intelligence-gathering missions – the Coast Guard's Super Hercules is the first C-130 aircraft in the world with a 360-degree, belly-mounted, multimode surface search radar
- Commonality of command, control, communications, computers, cyber, intelligence, surveillance and reconnaissance components and capabilities with those on the Coast Guard's medium range surveillance aircraft

PROGRAM DESCRIPTION

The Coast Guard's HC-130J Super Hercules long range surveillance aircraft provides heavy air transport and meets long-range maritime patrol requirements. Upon project completion, the Coast Guard will have a fleet of 22 new, fully missionized HC-130Js to replace the legacy HC-130Hs.

The HC-130J's improved engine and propellers provide a 14% increase in speed and a 40% increase in range and endurance over the HC-130H. The HC-130J also has a modern, integrated cockpit with a digital flight management system and an enhanced cargo-handling system.

Additionally, the Coast Guard has implemented a standardized mission system across the HC-130J fleet, which includes the Minotaur mission control processor to incorporate the radar, sensors and other equipment. The missionized HC-130J features a nose-mounted electro-optical/infrared camera, flight deck-installed dual-mission system operator stations and the world's first C-130 belly-mounted surface search radar.

The Coast Guard is also implementing a Block 8.1 upgrade. Operational testing and fielding of the first outfitted HC-130J

was completed Jan. 31, 2020. The upgrade adds new and advanced capabilities, some of which are required by the Federal Aviation Administration to access airspace and airports, including an enhanced inter-communication system, enhanced approach and landing systems, expanded diagnostics, civil GPS and additional covert lighting.

The Coast Guard currently has 17 HC-130J aircraft in operational use or in active production:

- Five are based at Air Station Kodiak, Alaska
- Five are based at Air Station Elizabeth City, North Carolina
- One is at the Aviation Logistics Center in Elizabeth City
- Two are undergoing Block 8.1 integration
- One aircraft is undergoing Minotaur integration at L3Harris ISR Systems in Waco, Texas
- One aircraft will enter Minotaur integration no later than February 2021
- Two C-130Js are under construction by Lockheed Martin Aeronautics in Marietta, Georgia, with delivery in 2023 and 2024; upon delivery to the Coast Guard, missionization of these aircraft will take an additional year

Mission execution begins *here*.

For updates on the HC-130J, visit the program's website at <http://www.dcms.uscg.mil/Our-Organization/Assistant-Commandant-for-Acquisitions-CG-9/Programs/Air-Programs/LRS-HC-130J/>

DELIVERY MAP



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www.dcms.uscg.mil/acquisition