



## Acquisition Directorate



# HC-130J LONG RANGE SURVEILLANCE AIRCRAFT

### CHARACTERISTICS

**Length:**

97 feet 9 inches

**Wingspan:**

132 feet 7 inches

**Height:**

38 feet 11 inches

**Maximum Weight:**

164,000 pounds

**Cruise Speed:**

320 knots true airspeed

**Range:**

4,900 nautical miles

**Endurance:**

20+ hours

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

The HC-130J's improved engine and propellers provide a 14 percent increase in speed and a 40 percent 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 HC-130J is outfitted with the Minotaur mission system, standardized across its fixed wing fleet, 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 a belly-mounted, 360 degree surface search radar.

The Coast Guard is also implementing a Block 8.1 upgrade to add 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.

### FEATURES

- Standardized Minotaur mission system across all Coast Guard fixed-wing aircraft
- 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, intelligence, surveillance and reconnaissance components and capabilities with those on the Coast Guard's medium range surveillance aircraft

### HC-130J Aircraft Status

- Operational
- Under Construction
- Undergoing/Awaiting Missionization



For updates on the **HC-130J**, visit the program's website at [www.dcms.uscg.mil/acquisition](http://www.dcms.uscg.mil/acquisition)