



Acquisition Directorate



# C-27J MEDIUM RANGE SURVEILLANCE AIRCRAFT

## CHARACTERISTICS

**Length:**

74 feet 6 inches

**Wingspan:**

94 feet 2 inches

**Height:**

31 feet 8 inches

**Maximum Weight:**

70,000 pounds

**Cruise Speed:**

290 knots true airspeed

**Range:**

2,675 nautical miles

**Endurance:**

12 hours

The C-27J Spartan is part of the Coast Guard's medium range surveillance aircraft fleet, with the HC-144 Ocean Sentry. The aircraft is instrumental in helping the Coast Guard fulfill its maritime patrol, drug and migrant interdiction, disaster response and search and rescue missions more effectively.

The Coast Guard is missionizing 14 C-27Js that were previously operated by the Air Force. The C-27Js were delivered with weather radar and communications equipment; missionization will add Coast Guard-specific features such as electro-optical/infrared (EO/IR) sensors and multimode radar to enhance and expand the aircraft's capabilities to detect, classify and identify maritime targets. The C-27J missionization package is based on the Minotaur mission system architecture that the Coast Guard is implementing across its fixed-wing fleet. The Coast Guard is working with Naval Air Systems Command to missionize the first two aircraft; the first Spartan entered the mission system integration process at Naval Air Station Patuxent River, Maryland, in September 2017. Prototype installation was completed in 2022; testing and verification is ongoing.

Coast Guard Air Station Sacramento, California, is the first operational unit using C-27Js and began operating with its full complement of aircraft after the delivery of its sixth Spartan May 1, 2017. An interim EO/IR capability was developed for use until missionization is complete.

## FEATURES

- Standardized Minotaur mission system across all Coast Guard fixed-wing aircraft
- Electro-optical/infrared sensors
- Military communications
- Multimode radar
- Large search windows
- Night vision goggle capabilities

## C-27J Locations



The **HC-27J Asset Project Office** (APO) was established in Elizabeth City, North Carolina, to help integrate the C-27s into the Coast Guard fleet. The APO expanded its mission scope in mid-2022 and was rebranded as the **Aviation Projects Acquisition Center** to support acquisition activities for all Coast Guard aircraft.

For updates on the C-27J, visit the program's website at [www.dcms.uscg.mil/acquisition](http://www.dcms.uscg.mil/acquisition)