

United States Air Force to Upgrade C-5M Super Galaxy Cockpit Controls and Displays



The biggest freight airplane in the United States Air Force will go through an avionics modernization program, consisting of a high-resolution, big location cockpit screen system from Intellisense. (Photo thanks to Intellisense)

The U.S. Air Force is updating its fleet of C-5M Super Galaxy Transport airplane with brand-new cockpit display screens under a just recently revealed agreement with Intellisense Systems, a Torrance, California-based provider of airplane noticing and show electronic devices.

According to a June 7 statement from Intellisense, the agreement will supply “Replacement Multi-Function Controls and Displays” (RMCD) for the military freight transportation aircrafts. Intellisense will change the C-5M’s existing screens with an updated variation of the video screen terminal or VDT-1209 s that is presently in operation on the MC-130 J.

Some of the information on the upgrade launched by Intellisense verify that the upgrade will be made it possible for by the PU-3000 multicore avionics computer system initially presented by CMC Electronics in 2015. This choice of the PU-3000 comes a year after it ended up being the market’s very first avionics computer system to utilize multicore processors accredited to develop guarantee level (DAL) A, the greatest level of guarantee requirements enforced by civil air travel authorities for security crucial airplane software and hardware.



The video screen terminal, VDT-1209, established by Intellisense, will change the existing display screens on the C-5M fleet. (Photo thanks to Intellisense)

The existing C-5M cockpit setup consists of 6 multi-function clever screens that offer the pilot, copilot,

and flight engineers with main flight and navigation info, according to Intellisense. All 6 screens will be changed with the business's large-format 15- inch display screen and 3 different GPU line-replaceable systems (LRUs).

There are presently 52 overall C-5Ms in operation by the Air Force. At a length of 143 feet and 9 inches, and optimum departure weight of 840,000 pounds, it is the 3rd biggest airplane worldwide and the biggest in the Air Force stock.



Airmen designated to the 22 nd Airlift Squadron from Travis AFB, Calif., offload 120,000 pounds of freight from a C-5M Super Galaxy on April 1 at Joint Base Pearl Harbor-Hickam, Hawaii. (Photo thanks to U.S. Air Force)

Lockheed Martin initially began providing the C-5M to the Air Force in 1970, and the airplane has actually gone through numerous avionics revitalize programs over its 50- year life-span. The most current one consists of advancement work that initially started in 2014, and continued into the 2020 s, with the Air Force's financial 2021 spending plan demand consisting of \$50 million committed to interaction, navigation, and surveillance/air traffic management (CNS/ATM) upgrades, according to previous reporting from *Defense Daily*, a sis publication to *Avionics International*

Jack McParlane, director of service advancement in Intellisense's air-borne systems department, in a declaration, called the C-5M RMCD win "a crucial action" for the business. "Not just will we be supplying a Primary Flight Display for a vital USAF airplane, however we will likewise be incorporating and providing the complete C-5M cockpit screen system, consisting of advanced, multicore avionics computer systems from CMC Electronics," he stated. "The program scope even more shows our capability to attend to flight-critical avionics beyond simply screens."

Source: [United States Air Force to Upgrade C-5M Super Galaxy Cockpit Controls and Displays](#)