

COCKPIT9000

Integrated Cockpit Avionics Solutions



Proven Modernization Solutions for C-130 and other Transport Aircraft

Turnkey full-cockpit solution comprising
best-in-class core elements

Supports worldwide operation within latest civil
airspace global air traffic management environment

Enhanced mission effectiveness via advanced
tactical features and mission management tools

Attractive economics – already proven
on C-130 platform

Esterline
CMC Electronics

Cockpit 9000 is a Scalable Advanced Cockpit Solution

- All-glass large-format high resolution display suite (up to 6 displays) with fully redundant architecture and night vision (NVIS) option.
- CMA-9000 Flight Management System (FMS) at the core, providing tactical mission features and a high accuracy/ high integrity navigation solution based on multiple navigation sensors, including the industry's most advanced CMA-5024 GPS Landing System (GLS).
- Wide range of equipment options, including TacView Portable Mission Display, Enhanced Vision, Satellite communications, TCAS, Weather Radar, Full Nav/Comm suite and many others.



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Core Elements



Flight Displays

Cockpit 9000 is based on an all-glass large-format display suite of up to 6 displays. Architecture includes full dual redundancy. Solution uses high resolution high viewing angle displays, with night vision (NVIS) option.



CMA-9000

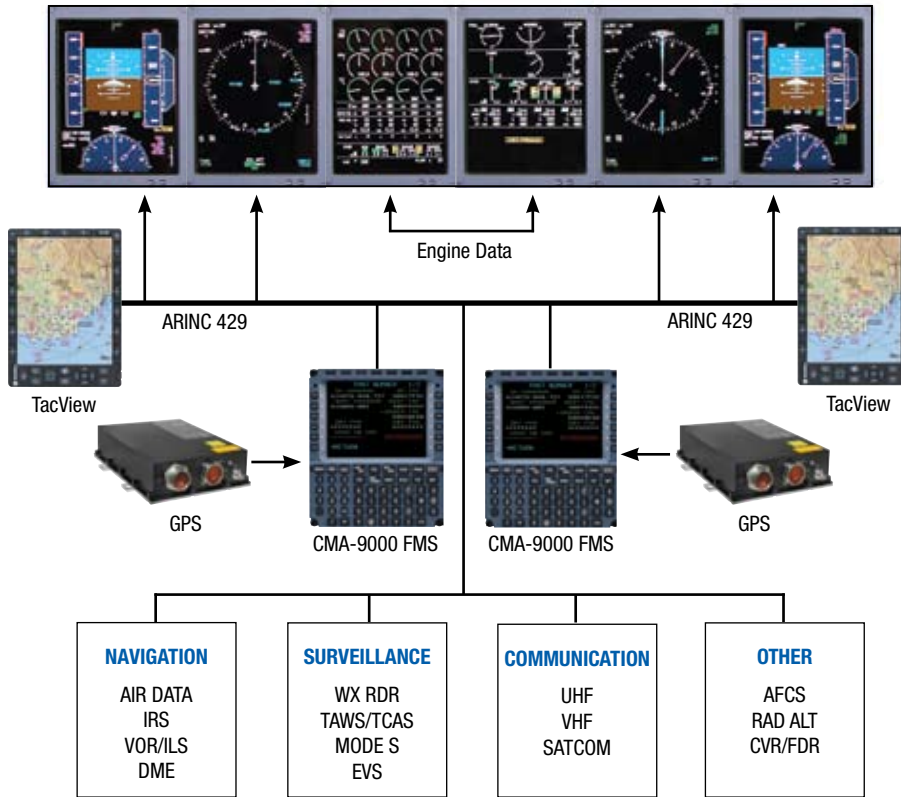
The CMA-9000 family of compact Flight Management Systems is well suited for modern digital cockpits in fixed and rotary wing aircraft for both civil and military applications. It is the next-generation FMS derived from CMC's successful CMA-900 FMS/ GPS and CMA-3000 helicopter FMS.



TacView®

TacView Portable Mission Display is a compact, self-contained computer and smart display system designed specifically to enhance situational awareness for military aircrews. It is a cost effective, rapidly deployable COTS system with the processing power enabling numerous mission-enhancing applications on fixed and rotary wing aircraft.

Open Architecture Proven Avionics Hardware



Operator Benefits

- Capability of worldwide aircraft operation within latest civil airspace global air traffic management (GATM) environment.
- Enhanced mission effectiveness due to a wealth of advanced FMS tactical features (incl. SAR, HARP, CARP and refueling) as well as powerful TacView mission management tools.
- Significantly lower operational and support costs due to higher equipment reliability, lower maintenance costs as well as enhanced human factors and safety.
- Capacity provisions for future GATM enhancements such as datalink and GPS Localizer Performance with Vertical guidance (LPV) Cat-I equivalent approaches.



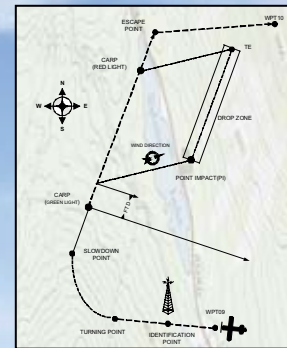
Global Positioning System Receiver

The high-performance Integriflight™ CMA-5024 aviation Global Positioning System Wide Area Augmentation System (GPS WAAS) sensor provides Satellite Based Augmentation System (SBAS) and GPS primary means navigation as well as GPS approach capability for all aircraft categories.



Enhanced Vision System Sensor

The SureSight® family of integrated Enhanced Vision System (EVS) sensors is the right choice – whether you want to take advantage of operational credits or simply to increase situational awareness. CMC's EVS sensors are packaged in a single, lightweight enclosure, and their performance is designed to meet your needs.



CARP: Calculated Air Release Point

Tactical Mission Features

- SAR patterns
- CARP/HARP
- Rendezvous, orbit
- Tanker functions
- Moving waypoints
- User database download
- DMAP and radar waypoints
- Tactical approaches
- Tactical direct-to guidance

Core Elements

Vast CMC Integration Experience

- C-130 modernization presence with more than 10 international operators.
- Cockpit integration experience on numerous platforms, including Canada's Maritime Surveillance CP-140 (P-3); T-6B, M-311, KT-1C and Hawk Mk51 trainers; and classic B747s.
- Complete array of support tools and services, including SIL, human factors, advanced training programs, full motion simulator, integrated logistics offerings.



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Over 100 Years
of Innovation

For information purposes only. To accommodate product improvements, specifications are subject to change without notice.
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