

# High-Performance Integrated Helicopter Solutions (IHS)

Collaborative • Flexible • Scalable • Cost-effective



## Flight Management Systems (FMS)

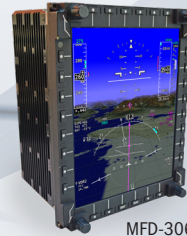


CMA-9000  
Commercial FMS



CMA-4000  
Military FMS

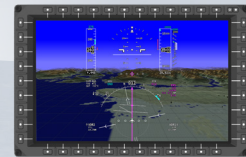
## Displays



MFD-3068



RDU-3068

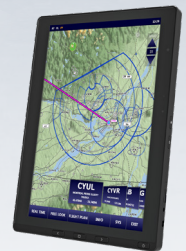


RDU-3138 15"

## Electronic Flight Bags (EFB)



TACVIEW® (Rugged EFB)  
Portable Mission Display



PILOTVIEW®  
(Commercial EFB)  
CMA-1310

## Doppler Velocity Sensor



CMA-2012

## Mission Computer



PU-3000

## Global Positioning System (GPS) Sensors



CMA-5024



CMA-6024

---

# Integrated Helicopter Solutions (IHS)

---

Smart Multi-Function Displays (SMFD)

Flight Management Systems (FMS)

Global Positioning System (GPS) Receivers

TacView® Portable Mission Displays

Doppler Velocity Sensors

Mission Computers

Video Displays

Some platforms with CMC's helicopter solutions

Airbus Helicopters

Russian Helicopter

Sikorsky

Bell Helicopter

AgustaWestland

Whether for military or commercial use, CMC Electronics' portfolio of integrated helicopter solutions (IHS) is designed to optimize a flight crew's navigational and situational awareness. The solutions lend themselves to multiple levels of modernization, giving end users the flexibility to conduct a minor upgrade or full-scale customization based on their needs and budget.

CMC's avionics solutions for helicopters include:

### CMA-9000 FMS

- Communication, navigation, surveillance/air traffic management (CNS/ATM) system provides flight management and multi-sensor navigation through all phases of flight
- Specialized functions reduce pilot workload during mission-critical applications
- Meets the latest standards for Required Navigation Performance (RNP) and Satellite Based Augmentation System (SBAS) approaches
- Integrated radio management system offers savings related to helicopter size, weight and power
- Night Vision Goggle (NVG) capability enables night-time operations

### Displays

- MFD-3068: 6" x 8" smart multi-function display featuring next-generation MOSArt™ middleware with true 8-bit colour rendition. It sustains optical performance throughout its design lifetime and over extended operating temperatures.
- RDU-3068: 10.4" rugged display featuring true 8-bit AMLCD for superior colour rendering and FLIR imagery
- RDU-3138: 13" x 8" rugged display delivering superior visual performance with true 8-bit colour depth with high contrast ratio and excellent colour stability
- Very wide viewing angles and very good brightness in day, night and NVIS modes

### CMA-5024 GPS Landing System Sensor

- Augments GPS, providing extremely accurate navigation through all flight operations from en route through GNSS and WAAS/SBAS localizer performance with a vertical guidance (LPV) CAT-1 equivalent approach
- Built-in VHF Data Broadcast (VDB) receiver allows for growth to GBAS

### TacView® Portable Mission Display and Mission Computer

- Tacview® Portable Mission Display (PMD) is a compact, self-contained mission computer designed specifically to enhance situational awareness for military, paramilitary, law enforcement, and civil aircrews
- The PU-3000 mission computer includes high-performance multi-core processing capability and is equipped with the ARINC 653 compliant MOSArt platform services capable of hosting multiple high-demanding software applications developed to varying design assurance levels (DAL), up to and including DAL A.

### Aircraft Information Server (AIS)

- Bridges the connectivity gap across cockpit as well as navigation and maintenance systems
- Offers scalability and room for future growth
- Reduces the flight crew's workload in all phases of flight

### Doppler Velocity Sensor CMA-2012

- Ideally suited for helicopter hover and low-speed operations
- Excellent accuracy and performance combined into one compact, low weight unit

---

For more information, visit [www.cmcelectronics.ca](http://www.cmcelectronics.ca) or email us at [IHS@cmcelectronics.ca](mailto:IHS@cmcelectronics.ca)

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

APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED  
CMC-IHS-19-001

  
Over 100 Years  
of Innovation

**CMC**  
Electronics