

PRO LINE FUSION® ADVANCED AVIONICS

A new era for the Bombardier Vision flight deck.



Building trust every day.

Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

For more information, contact:

Rockwell Collins  
400 Collins Road NE  
Cedar Rapids, Iowa 52498  
+1.319.295.4085  
email: [csmarketing@rockwellcollins.com](mailto:csmarketing@rockwellcollins.com)  
[www.rockwellcollins.com](http://www.rockwellcollins.com)



## Enjoy eyes-forward situational awareness.

Effectively manage the flow of flight information while experiencing natural, safety-enhanced, eyes-forward flying. Pro Line Fusion® advanced avionics from Rockwell Collins builds on our proven Pro Line platform with innovative technologies to transform your flight experience. Now you have everything you need, when you want it, at your fingertips and in your forward field of view.

### Head-up Guidance System™ advantages:

- ▶ Enhanced pilot situational awareness
- ▶ Better speed control
- ▶ Reduced pilot fatigue
- ▶ Enhanced crew performance
- ▶ Supports emerging features
  - Enhanced vision and synthetic vision



### Head-down Synthetic Vision System

Integrates the terrain database with real-time flight information for greater situational awareness, especially in low visibility conditions and unfamiliar territory. When combined with head-up synthetic vision, it delivers the enhanced safety of natural, eyes-forward flying.



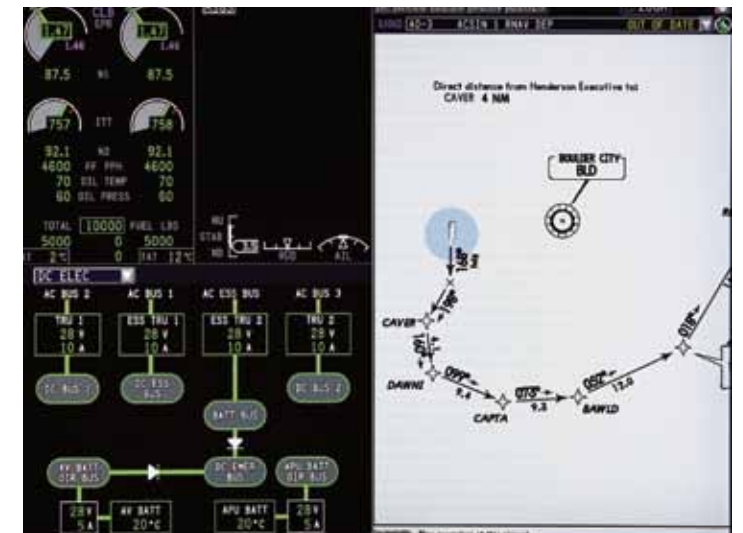
### MultiScan™ Weather Threat Detection System

A safer, smoother and more efficient flight can be yours with our MultiScan™ Weather Threat Detection System. Its automatic, hands-free operation detects, analyzes and displays weather hazards from the nose of the aircraft to 320 NM ahead. Features MultiScan's patented automatic Geographic Weather Correlation and Predictive Overflight Protection.



### Advanced flight management made simpler

Easily create and modify flight plans with Fusion's graphical user interface. Interactive map symbols enable point-and-click navigation on the moving map for ease of use. Offers a fully integrated control display unit and graphical flight planning capability. Our advanced Flight Management System user interface organizes the data by phase of flight, significantly reducing the number of Control Display Unit pages and providing a more intuitive user interface.



### Integrated Flight Information System

Access a variety of flight information in real time with our Integrated Flight Information System (IFIS). View navigation charts, graphical weather, aircraft manuals and more through your aircraft's multifunction displays using IFIS's intuitive user interface.





flexible, adaptable integration



empowering human interface

extensive situational awareness



information enabled

## Innovative technologies to transform your flight experience.

### STANDARD FEATURES

- ▶ Four 15-inch LCD displays
  - Advanced graphics
- ▶ Synthetic Vision System
- ▶ Enhanced Vision System
- ▶ Head-up Guidance System™
- ▶ Advanced human machine interface
- ▶ MultiScan™ Weather Radar
- ▶ Triple advanced flight management systems
  - WAAS LPV capability
- ▶ Dual Integrated Flight Information Systems
  - Electronic charts
  - Enhanced maps
  - Paperless flight deck
- ▶ Wireless database update and information management capability
- ▶ Triple VHF comm
- ▶ Data link
- ▶ FANs and Link 2000+ CPDLC
- ▶ Dual HF communications system
- ▶ Open system architecture



### The right information at the right time.

**Ascend™ flight information solutions**

Fusion-equipped aircraft can take advantage of extensive operational efficiencies with Ascend from Rockwell Collins. Ascend offers a comprehensive suite of services, online tools and personalized support for seamless pre-flight, in-flight, on-ground and post-trip operations. Ascend's globally networked resources include:

- › Trip Quotes
- › Flight Planning
- › GPS RAIM Prediction
- › Runway Analysis
- › Flight Manager™
- › Regional Trip Support
- › International Trip Support
- › Flight Watch
- › Ascend Fuel
- › Fuel Stop Analyzer
- › Ascend Weather
- › Datalink
- › Ascend Card Services



### Advanced, today and always.

**Open system architecture**

Fusion's versatility, scalability, efficiency and cost-effectiveness stem in part from its open system architecture. Based on industry standards, Fusion's architecture enables it to deliver advanced performance throughout your avionics' life cycle.

As new technologies become available, upgrades or modifications to Fusion can be as easy as the replacement of separate modules within the flight deck or through simple software downloads. You enjoy enhanced capabilities while keeping costs low.

Exciting new technologies are on the horizon, and your Fusion flight deck is poised to grow with them. They include:

- › Surface Management System
- › Synthetic Vision System for credit
- › Predictive wind shear
- › NextGen airspace advances



**Aural Alerts enhance runway safety**

**Condition:** Takeoff not on a runway

*"Not a runway, not a runway."*

**Condition:** Landing runway too short.

*"Runway too short, runway too short."*

Fusion supports runway safety awareness by displaying aircraft position during taxi. Should an unsafe takeoff or landing operation occur, aural alerts "not a runway" and other annunciators provide additional situational awareness.