



PANORAMA™ CLASSIC DISPLAY

SEAMLESS TRAINING VIEWS, WORLD-CLASS EXPERTISE

Proven performance for fixed- and rotary- wing applications

Collins Aerospace Panorama™ display systems feature collimated imagery, enabling a superior side-by-side training simulator experience for airline, helicopter, military transport aircraft and ground vehicle crews. Panorama displays deliver exceptional optical performance, consistently achieving level D certification for both fixed- and rotary-wing applications.

As a pioneer and trusted provider of best-value simulation and training display solutions for commercial and military applications, Collins brings 30 years of expertise to the table. We understand your needs and will collaborate with you to achieve the right solution for your training requirements.

With a broad range of established product offerings, both standard and customized, we are ready to help you succeed.

KEY FEATURES & BENEFITS

- Fields of view up to 225° H x 60° V
- Thin-film continuous mirror
- Optically coated back-projection screens
- Flexibility in system design and access to proprietary tooling
- Patented technology
- Supports training with night vision equipment
- Motion-compatible, extended field-of-view and customized solutions available
- Mechanical structures interface with all simulator types
- Over 1,000 systems sold
- Displays achieve fixed- and rotary-wing level D certification
- Different Panorama sizes/radiuses available based on the application or space available
- Projector options to suit your program requirements

STANDARD OFFERINGS

Our Panorama display system is designed to provide collimated, out-the-window views through the forward and side windows of the simulator cockpit. Images are displayed on a back-projection screen located above the cockpit and a large-radius collimating mirror positioned around the cockpit.

The collimating mirror uses an aluminized thin-film polyester material that provides a high degree of reflectivity. It's also lightweight, making integration easier for simulator providers.

With more than 1,000 displays sold worldwide, the Panorama product family offers an unmatched range of available configurations. It supports unobstructed fields of view up to and including 225 degrees horizontal by 60 degrees vertical. Existing offerings are tailored and available for the business jet, air transport, military tanker/transport and helicopter training markets.

Our standard displays are designed for motion compatibility and support night vision training requirements. Collins supports a broad range of projector technologies designed to meet the demanding requirements of the simulation market.



CUSTOM OFFERINGS

We've developed and delivered over a dozen variants of Panorama with radius systems of various sizes, including extended field-of-view options, such as chin windows.

Design options are available to accommodate simulators that are transportable or for custom applications, such as driver training and other nonflight applications.

We'll help you choose the ideal display to meet your requirements, incorporating multiple projector offerings and our own family of image generators (IGs) to ensure your crews can have the best training experience possible.

ADDITIONAL SERVICES/CAPABILITIES

Our broad range of products include options to complement the Panorama display system and facilitate system integration.

Proven system-level analysis capabilities, along with our portfolio of innovative display management and integration tools, will optimize your overall solution. These include automated alignment and other projector and display management options.

We offer finite element analysis (FEA) to ensure the overall structural integrity of the display. The display FEA will be suitable for sharing with the customer or end user to support simulator integration.

Collins can support you throughout the life cycle of your display, providing service and support tailored to your specific needs, and upgrade options to maximize performance and extend the life of the system.

Specifications subject to change without notice.



Collins Aerospace

800.321.2223 | +1.319.295.5100

fax: +1.319.378.1172

learnmore@collins.com

collinsaerospace.com