



GRIFFIN™-2 VISUAL DISPLAY SYSTEM

UNSURPASSED FAST-JET TRAINING REALISM

Ultra-high resolution, brightness and contrast

The original Griffin™ rear-projected dome has been the world's leading 360-degree immersive training system of its kind for over 10 years. With more than 150 systems in use on F-35s, F-16s, M-346s and Typhoon trainers, it is the clear market leader.

Our new Griffin™-2 visual display system now takes fast-jet training to the next level with increased performance, lower acquisition cost and reduced life-cycle costs. Combining the proven performance of the original Griffin, along with the latest available technologies, the result is ultra-high resolution, brightness and contrast for unsurpassed training realism.

Griffin-2 is available as a complete, stand-alone visual training solution or it can retrofit the original Griffin system by replacing its projector package and retaining the current dome and support systems.

Built on the proven legacy of the Griffin and easily upgradable as new technologies evolve, Griffin-2 is the clear choice for single seat trainers, today and tomorrow.

KEY BENEFITS

- Builds on the 10-year legacy of the 150 Griffin display systems and their proven excellence in fast-jet training
- Open display architecture enables use of multiple projector types
- Easily tailored for customized training experiences (display resolution, night-vision goggles, head-up display, etc.)
- Ease of maintenance
- Low acquisition and life-cycle cost



KEY COMPONENTS

Projector

Griffin-2 incorporates ultra-high-definition, solid-state projectors, reducing the display's projector count and life-cycle cost. With system resolutions starting at 4 arc/min OLP, the systems can easily go to higher resolutions based on projector choice and are easy to upgrade with new projectors as they become available.

You can use the independent IR channels available in today's projectors for night-vision-goggle training that is second to none. You can also add an integrated head-up display.

Dome

The Griffin-2 system is projected onto a fully rear-projected dome, increasing the contrast from the original Griffin, and has a smooth, non-faceted surface. The shape is near spherical, enabling you to use many different helmet-mounted displays with the trainer – with no eye-strain issues.

In addition, the dome is easily modifiable to accept a wide variety of cockpit shapes. An optional cockpit roll in/out system enables automated removal of the cockpit from the dome for more efficient pilot usage and easier cockpit maintenance.

Image generator

The Griffin-2 display system achieves improved integrated performance and features when driven by our high performance EP® image generator. The image generators update the projectors at 120 Hertz to minimize the smear artifacts in the projected image. In addition, the image generators can provide the warping, channel blending and color matching for the display.

Maintenance/life-cycle cost

Griffin-2 is designed with the maintainer in mind. The entire system is serviceable from floor level and has the image generator channels co-located with the projectors. This enables rapid system repair and minimal down time. The included Collins Aerospace alignment system provides easy automated alignment of geometry, blending and colors with minimal inputs required by the technician. An all solid-state projector system means very little routine maintenance is required on the system.



Specifications subject to change without notice.



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