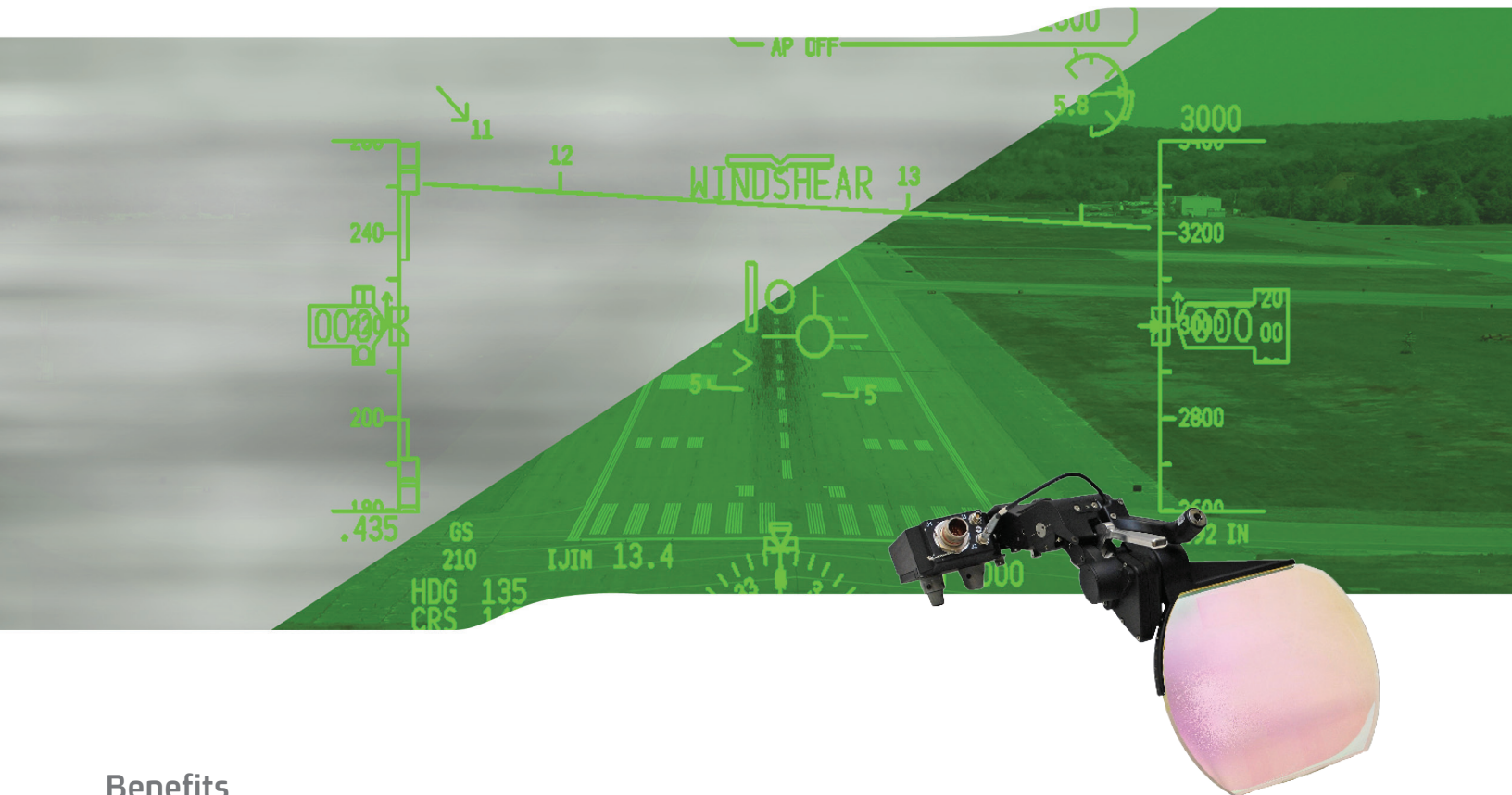


AT-HUD™

Advanced Technology Head-Up Display



Benefits

- Lower landing EFVS operational credit
- Improves safety of flight by enhancing pilot situation awareness and flight control
- Optimized for Enhanced Flight Vision Systems video display
- Overhead space savings with smaller design (approximately 1/2 volume of traditional HUD's)
- Best Head Clearance compared to other CRT and LCD HUD's
- Improves Pilot performance by allowing more precise aircraft control
- Improves pilot transition to other aircraft
- Improves on speed takeoff and landing performance
- Customizable to accommodate installation constraints across Mid-Size and Large-Size aircraft.

Nothing Is Safer Than Seeing



AT-HUD

Advanced Technology Head-Up Display

The Advanced Technology HUD (AT-HUD™) is a new head-up display using state of the art LCD and optics technology to dramatically reduce system size and weight, while maintaining optimum performance. The HUD display unit provides an integrated display of PFD information overlaid with real-time EVS imagery conformal to the outside view. This results in minimized head down time and improved overall operational safety and situation awareness. The AT-HUD™ is ideal for medium sized business jets up to large air transport aircraft seeking EFVS operational advantages in accordance with FAA and EASA EFVS regulations.



Technical Specifications

3 LRUs

- Overhead Projection Unit (OPU)
- Combiner (CB) with control panel
- HUD Computer (HCU)

Parameters

- Display Format: Digital Image Source (LCD)
- Resolution: 1024 x 768
- Total Field of View: 30° Horizontal by 22.5° Vertical
- Eye Motion Box: 4" Deep x 3" Horizontal x 2" Vertical (inches)
- Accuracy: Boresight < 3.0 mRad
- System Weight: 35 lbs.
- Display Brightness: 2,500fL minimum at DEP
- Image Contrast Ratio: CR >1.2 @ 10,000fL ambient illumination
- Input Power: 28 VDC; < 100 W average
- Aircraft Interface: ARINC 429, SMPTE 259, SMPTE 170M, Discretes
- Industry Standards: DO254, DO160, DO178B, DO236A, SAE AS-8055, DO200A
- EVS video inputs: NTSC (RS-170), SMPTE 259 digital video



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