



# 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)
  - HUD Computer (HCU)
- Parameters
  - Display Format: Digital Image Source (LCD)
  - Resolution: 1280x1024
  - 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: D0254, D0160, D0178B, D0236A, SAE AS-8055, D0200A



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