

BEECHCRAFT

KING AIR B200

ClearVision™



Clarity for Critical Missions

Lead Plane and Air Attack missions critical to effective aerial firefighting operations in hazardous terrain and critical situations require new tools for performance optimization and mission execution. Pilots and aircrew must navigate hazardous terrain while maintaining focus on additional airborne assets and ground targets and perimeters.

Enhanced Vision Systems (EVS) and Synthetic Vision Systems (SVS) improve head-up time and increase situational awareness in hazardous terrain and low-visibility environments. The use of ClearVision's complete EFVS solution enables better situational awareness for pilots of Lead Plane and Air Attack aircraft for better management of airborne assets during aerial firefighting missions. This equals improved safety in establishing perimeters, designating drop zones, and aircraft management during all mission phases.

The ClearVision complete HUD and EFVS suite is a proven fixed-wing and rotorcraft solution for maximizing safety and accuracy in some of the most challenging mission environments.

Intuitive Head-Up Avionics Suite

ClearVision is a complete Enhanced Flight Vision System (EFVS) solution providing heads-up capability combined with enhanced vision (EVS) and synthetic 3D terrain display (SVS). It features a large field-of-view, with the brightest and highest resolution HUD for commercial aircraft in the market. It's unique pilot-friendly split screen display allows the user to change between the two background imagery areas for optimal control. With the ClearVision system, overcome extreme weather conditions and low visibility situations – both day and night. Intuitive out-of-the-window flying is now possible.

Flexibility

For utmost flexibility, the EVS interfaces with a variety of display options: traditional fixed HUD system, head-down flight display systems; or a wearable device like the 'near-to-eye' (NTE) SkyLens wearable display.



Skylens HWD



EVS-4000
Multispectral Camera

The ClearVision system provides unparalleled situational awareness to fight wildfires during the day and into the night where visibility is near zero. This airborne, force multiplier capability provides the needed support to the men & women fighting fires on the ground.

– Woody Cottner, Vice President of Business Development
Global Aviation Tech

Enhanced Vision System

The ClearVision Enhanced Vision System (EVS) product family provides a superior visual solution augmented with real-time synthetic information, designed to expand the safety and operational capabilities of your HUD system. With its advanced real-time visual processing, EVS merges the input of high-definition visual cameras, Near IR sensor, and Long-Wave IR sensor into one perfectly fused picture, expanding your situational awareness like never before. This 4th generation high-resolution, uncooled multispectral EVS detects incandescent and LED runway and formation lights with provisions to support color display. With its brighter and clearer image, ClearVision EVS will make any taxi, takeoff, cruise, or landing easier, clearer, and safer.

The compact EVS-4000 multispectral EVS camera features two sensors, visible-Near IR and Long-wave IR, that provides an excellent EVS solution for smaller fixed wing aircraft and rotorcraft..

ClearVision EVS is the only certified solution designed to increase platform efficiency and safety, with the latest visual-processing technology, meeting all FAA/EASA/ICAO/CAAC EVS or EFVS civil certification requirements.

FEATURES

- Multispectral technology for improved imaging details
- High-resolution, high-contrast
- Terrain awareness video
- LED and incandescent runway light detection in low visibility

BENEFITS

- Minimized dependency on ILS
- Equivalent visual operations
- Unprecedented situational awareness in all weather conditions, day and night, during take-off, approach, and landing phases

Clearvision Family of Components:

- A – Skylens HWD
- B – EVS-5000 Multispectral Camera
- C – Clearvision Computer Unit
- D – EVS-4000 Multispectral Camera
- E – SkyVis HMD
- F – Clearvision OTF



Learn More at universalavionics.com 

Specifications and graphic displays contained herein are subject to change without notice. Features and capabilities may be limited due to installation or interfacing equipment.

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