ClearVision™

Beyond Cockpit Boundaries

Elbit Systems Commercial Aviation
Visionary Avionics

We provide cutting-edge electronic avionics systems and advanced cockpit technologies for commercial aviation platforms of all segments. Building on Elbit Systems' four decades of experience in the aerospace, our pilot-centered development team leverages field-proven technologies to produce a specialized range of vision systems for the commercial aviation market.

Our commercial product line of enhanced flight vision systems (EFVS) combines a unique ClearVision™ family of Skylens wearable head-up displays (HUD) with synthetic vision systems (SVS), real-time enhanced vision systems (EVS) and Combined Vision Systems (CVS). Our industry experience, commitment to our partners, and world-class aviation electronics solutions are relied upon by leading aerospace companies around the globe.

Technical Specifications

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<th>ClearVision SD</th>
<th>ClearVision WD</th>
<th>ClearVision SMART</th>
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<td>Operational Credit For Landing</td>
<td>Applicable</td>
<td>Situational Awareness Only</td>
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<td>Co-pilot System</td>
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<tr>
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<tr>
<td>Basic package</td>
<td>Pre-installed</td>
<td>Optional</td>
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<td>Advanced package</td>
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<td>SVS / CVS</td>
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<td>Ready to install</td>
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ClearVision™
Complete End-To-End. All Weather EFVS Solution
Elbit Systems’ ClearVision™ is a complete, Enhanced Flight Vision System (EFVS). Clearvision™ covers the full flight envelope, and overcomes extreme weather conditions and low visibility situations – both day and night. Clearvision™ allows for intuitive out-of-the-window flying, minimizing the dependency on airport instruments, reducing landing minima and providing takeoff credit. The 4th generation multispectral EVS detects incandescent and LED runway lights with provisions to support color display. The ClearVision™ display fuses conformal flight guidance symbology with synthetic vision presentation and high-resolution video on an operational HUD or the newly released SKYLENS wearable display. The Clearvision™ suite has already been selected by leading Part 25 platform manufacturers around the world.

ClearVision™ at a glance
- Highly integrated solution, all by one supplier
- Suits forward and retrofit platforms
- Minimum weight
- Minimum installation & Integration
- Minimum cockpit footprint
- Designed certificate landing credit up to 1000’ RVR (50’ DH) (DO-315A)
- Synthetic Vision System (SVS) Ready
- Combined Vision System (CVS) Ready
- New optional SKYLENS Wearable display unit

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ClearVision™ Apps
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- Increasing safety and situational awareness
- Maximizing Clearvision™ unique hardware capabilities

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Computer Unit
- ARINC 650 Standard. Fully certified building blocks
- Operational applications
- Supports Clearvision™HUD or Skylens display units

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