SEE THROUGH THE WORST CONDITIONS NATURE HAS TO OFFER

Real-time, eyes-forward capability that enhances safety and operations
Collins CVS:
True combined vision

Collins’ advanced algorithm detects, extracts and optimally presents content to the pilot.

Don’t settle for “complementary” vision systems
Equip with one that is truly combined
The Collins Aerospace Head-Up Guidance System (HGS™) for C-130J and C-130H aircraft is designed to meet the unique missions of the aircraft. Our HGS provides the latest digital head-up display technology available for military operations.

- Enables precise approaches
- Descend below DA/DH approach minimums
- Improves covert and mission-critical operations

**BETTER VISION, GREATER PRECISION**

**Head up, eyes forward**

- Provides a conformal display
- Shows the flight path in all flight stages
- Enables greater awareness of the aircraft energy state

**FLIGHT PATH INDICATOR**
- Inertially derived
- Instantaneous indication of where the aircraft is going

**GUIDANCE CUE**
- Uses landing aid (ILS, GLS) and IRS to compute and position cue

**ENERGY MANAGEMENT**
- FAST, BUT DECELERATING
- SLIGHTLY SLOW & DECELERATING
- STABLE

**Seamless extension of the pilot: Pilot in the loop**

- Enables eyes-forward flying, reducing reaction time
- Provides the best aircraft feedback system
- Enables approach visualization
- Improves training methods
- Increases situational awareness
EFVS: Enhancing missions

- Multispectral infrared technology
- Enables pilots to see through fog, smoke, sand and other low-visibility conditions
- Assists in nighttime tanker refueling and formation flying
- Provides passive identification of terrain obstacles

EFVS expanded minima – bringing CAT I to new lows

<table>
<thead>
<tr>
<th>CAT</th>
<th>US</th>
<th>EUROPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>1800 ft</td>
<td>550 m</td>
</tr>
<tr>
<td>SA I</td>
<td>1400 ft DH 150 ft</td>
<td>450 m</td>
</tr>
<tr>
<td>II</td>
<td>1000 ft</td>
<td>300 m</td>
</tr>
<tr>
<td>III</td>
<td>600/400 ft</td>
<td>200 m</td>
</tr>
<tr>
<td>Takeoff</td>
<td>300 ft</td>
<td>75 m</td>
</tr>
</tbody>
</table>

Vertically guided approach required (ILS, GLS, LPV, RNP)

Own the night: Augment night-vision goggles

- The EVS sensor can be used independently or to augment NVD/NVG operations
- The HUD/EVS pairing provides improved ground definition at low light levels within FOV
Unmatched SVS: Triple the vision power of your pilots

- Three layers
  - Terrain
  - Obstacles
  - Airports and runways
- Weather independence
- Worldwide database

HGS and EVS: Verified value for safety and operations

- Bolsters missions
  - Improves operations at landing zones, drop zones and blacked-out airfields
- Improves safety
  - Eliminates/reduces tail strikes, hard landings, short landings and runway excursions
  - Prevents obstacle collisions on runways
- Saves maintenance costs
  - Reduces wear and tear on wheels, tires, brakes, flaps and engines

Fly and land with greater confidence

Real-time, eyes-forward capability

Improves safety

Enhances operations

Maximizes the efficiency of pilot training

*Flight Safety Foundation