

# Rockwell Collins HGS-6250 Head-Up Guidance System®



With the HGS-6250 you enhance mission flexibility, situational awareness and flight precision for the Gulfstream G650®, G550®, G500®, G450®, G350®, and G250®.

Rockwell Collins HGS-6250 Head-up Guidance System® for the advanced Gulfstream aircraft provides precise head-up guidance cues to enhance situational awareness during all flight phases.

With the advanced LCD and LED-based technology of the Rockwell Collins Head-up Guidance System, combined with live infrared imagery from the Gulfstream Enhanced Vision System™ on board G250, G350, G450, G500, G550, or G650 aircraft, you have increased flexibility to land more places, more often, in more weather conditions

## KEY BENEFITS

- ▶ Combines bright EVS imagery with sharp flight guidance symbology using Rockwell Collins advanced LCD projection and high intensity LED illumination technology
- ▶ Wide display field-of-view and unprecedented display brightness and contrast
- ▶ Enhances monitoring and control of the aircraft's energy state and flight path through intuitive display of attitude, altitude, airspeed, inertial flight path and acceleration
- ▶ Enhances stability and precision on all landing approaches, including "black hole" approaches to airports not equipped with precision landing aids
- ▶ Eliminates the need for head-down to head-up transition for landing providing more intuitive decision to land
- ▶ Increases safety and awareness in all regimes of flight

## FEATURES

- ▶ Rockwell Collins flare advisory cueing helps pilots consistently establish the optimum sink rate for precise, repeatable touchdowns
- ▶ Crosswind and windshear indications enable more accurate flight path control while keeping pilots' attention focused outside the windshield
- ▶ Inertial flight path vector provides instantaneous indication of the airplane's path
- ▶ Industry-leading pilot head clearance
- ▶ Lightweight, easy-to-install system
- ▶ Intuitive unusual attitude recovery and TCAS symbology

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**GENERAL HUD II CHARACTERISTICS**

|               | <b>Combiner (CMB)</b>         | <b>Overhead Unit (OHU)</b> | <b>HUD Computer (HC)</b> |
|---------------|-------------------------------|----------------------------|--------------------------|
| Mounting      | 3 Bolt Precision Mount        | 3 Bolt Precision Mount     | 4 MCU Rack Mount         |
| Power         | Powered by HC via OHU         | Powered by HC              | Dual 28 VDC              |
| Weight        | < 4.5 pounds                  | < 28 pounds                | < 13.5 pounds            |
| Environmental | Integrated HUD / EVS Controls | Convection and Fan Cooled  | Forced Air Cooled        |

**ADVANCED HEAD-UP GUIDANCE FOR THE GULFSTREAM PRODUCT LINE**



*Unparalleled display brightness and contrast contribute to enhanced eyes-forward situational awareness during all weather conditions.*

|       | <b>HGS Equipage</b> | <b>Field-of-View</b>           |
|-------|---------------------|--------------------------------|
| G650® | Standard            | 42° horizontal by 30° vertical |
| G550® | Standard            | 42° horizontal by 30° vertical |
| G500® | Optional            | 42° horizontal by 30° vertical |
| G450® | Standard            | 42° horizontal by 30° vertical |
| G350® | Optional            | 42° horizontal by 30° vertical |
| G250® | Optional            | 36° horizontal by 30° vertical |

In addition to the existing large-cabin Gulfstream fleet, Rockwell Collins introduces HGS-6250 head-up situational awareness for G250 & G650 aircraft when certified.

- Full EVS capability
- SVS growth capable
- Largest commercial HUD field-of-view available (42 horizontal by 30 vertical)
- 4,000 fL display brightness
- 1600 by 1024 display resolution
- Electronic boresight and EVS video registration capability

**Building trust every day.**

Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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