The large display system that takes your legacy 757/767 forward in a big way.

The Large Display System (LDS) from Rockwell Collins delivers significant advantages in capability, weight, logistics and economic efficiency. And positions your aircraft for future growth in next-generation capabilities, many of which will be required for operating in NextGen® airspace.
Advantages across the board.

When you equip your aircraft with the most efficient LDS solution for current 757s and 767s, bigger displays are just the beginning. Strategic use of existing systems and hardware, combined with the well-crafted integration of new equipment, brings big advantages. These include greater cost control, less weight and lower fuel burn. All while retaining your aircraft’s current certification baseline.

The LDS includes:
- Three Adaptive Flight Displays (AFD-2100)
- Three Graphic Generator Units (GGU-2100)
- Two Display Control Panels (DCP-2200)
- Two Display Dimming Panels (DDP-5040)

New display format controls
- Auto reversion feature
- Ability to move and swap EICAS and PFD manually
- Improved navigation display
- 640 NM map
- Integrated clock

Dual DCP upgrade
- With backup capability

Current and next flap settings on airspeed tape

Map with terrain/weather
- Three map modes (far left) supporting eight different ranges, including routing up to 640 NM to display weather and terrain up to 320 NM
- User selectable chronometer or clock

Map with traffic alerts
- Displays LDS status and fault information for enhanced troubleshooting (right)
- Displayed for all GGU
- On-ground functionality only

Return to service page
Engine Indication and Crew Alerting System (EICAS)

- The only display system that removes the EICAS cathode ray tube displays
- Provides LDS-specific caution, warning and status messages in the message stack

Navigational display

Mini-map in reversionary backup mode

Economic efficiency

- Reduced weight profile of 150+ pounds
- Removes 16 LRUs from sparing inventory
- Proactive obsolescence management
- Common AFD unit between LDS, 787 and potentially 737 MAX

- Three-year payback using market assumptions
- Five-fold increase in display system reliability
- Fuel burn reduction
- Reduced transition training footprint
Head-down SVS

- Future upgrade that integrates and coordinates flight information with HUD for maximum situational awareness

HGS™+EVS

- HUD for eyes-forward situational awareness and precision energy management in all phases of flight
- Available with third-party STC for the HUD and optional software upgrade and database for global synthetic vision capability
- Couples with Rockwell Collins wide spectrum infrared EVS external mount camera
- Coordinated video feed to copilot MFD video source area allows maximum cockpit crew coordination under low visibility conditions
- Integrates in upgrades with SVS on head-down display

Navigation performance

- Lateral ANP/RNP bars
- LNAV deviation scale and pointers
- Vertical ANP/RNP bars
- VNAV deviation scale and pointers
- GS ghost pointer on lateral and vertical scales

Perspective runway symbol on PFD

Rich content, high-definition navigation displays
A flight deck in perfect position for future growth.

The open architecture of the Integrated LDS Cockpit Modernization Program enables seamless functionality upgrade paths to meet emerging NextGen airspace communications and surveillance requirements, assisting you in meeting your operational profit goals.
Maximum efficiency today.

Greater flexibility for tomorrow.

*ADS-B in ITP provides climb and descent information to reach optimal flight levels*
The EVS camera system (EVS-3000, shown below) is another Rockwell Collins first. Along with the ability to provide true multispectral infrared imaging, the camera system does not require any external cooling. That saves weight and greatly improves reliability. Complementing the new hardware is our Generation 6 HGS software. Together, they give our HVS unrivaled capabilities.

**Head-up Guidance System**
The head-up, eyes-forward guidance system has proven to be among the greatest operational safety enhancements ever introduced. HGS combines critical flight path and aircraft energy information onto a conformal HUD directly in the pilot’s field of view, eliminating the need for head-down to head-up transitions during critical phases of flight.

**Safety-enhancing benefits**
› Improved situational awareness
› Increased safety in all phases of flight
› Reduced pilot workload

**Synthetic Vision System**
3D synthetic vision of terrain, obstacles and runways is displayed both on the large-format, head-down LCD screens as well as conformally head-up on the HGS. This capability, currently unavailable on 757/767 display units, is a future technology insert on the LDS.

**Enhanced Vision System**
Rockwell Collins’ new EVS camera (EVS-3000) provides multispectral infrared imaging without the need for a cooling unit. This saves weight and greatly improves reliability as compared to current EVS systems.

With the Head-up Vision System (HVS) suite of HGS, SVS and EVS as part of the LDS upgrade, pilots can get a near-perfect daytime picture out the windscreen on every approach, even in darkness or poor weather.

**Flying today and future ready.**
A key component of the Integrated LDS Cockpit Modernization Program is its high level of ongoing global support from Rockwell Collins. As a customer in that program, you can rely on the support you need – wherever and whenever – throughout the life cycle of your system.

The LDS offering includes an OEM service bulletin with the following activation software:
› Flight management computer
› Engine indication and crew alerting system (EICAS)
› Display

No matter where your operations take you, the spare parts and technical expertise you need are close by.

LDS provides low-risk, high-value cockpit modernization path that will meet your operational and airspace requirements today and far into the future.

Based on the same open architecture developed for the 787, our LDS solution offers 757/767 operators significant upgrades.

Key benefits to the LDS program include:
› Dramatically increased display capabilities and situational awareness throughout all phases of flight
› Growth capability to meet advanced NextGen communications and surveillance requirements, including ADS-B, controller/pilot data link, airport/taxi maps and more
› Significantly lower overall system weight
› Integrated display of EICAS information
› Increased reliability from legacy system
› Manual pilot configurable and auto reversion capable

You can have confidence that the LDS you install today will support future enhancements.
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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