

# Global Cockpit Display System for Aerospace Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Cockpit Display System for Aerospace market size is expected to reach \$ 8270 million by 2032, rising at a market growth of 8.3% CAGR during the forecast period (2026-2032).

Global sales of cockpit display systems for aerospace reached 221,388 units in 2025, with an average price of US\$20,490 per unit.

Cockpit display systems for aerospace are integrated human-machine interface devices installed in the cockpit of aircraft or spacecraft. They present multi-source information, including flight, navigation, engine, and warning information, to pilots/astronauts in real time in graphical, symbolic, or video format. They typically consist of a Primary Flight Display (PFD), a Multifunction Display (MFD), an Engine Indication and Crew Alarm System (EICAS), and an optional Head-Up Display (HUD), and are a core component of the glass cockpit.

Core raw materials include: aerospace-grade LCD or Micro-LED panels, high-brightness LED backlight arrays, coated electromagnetic shielding glass, carbon fiber/aluminum alloy frames, light guide plates, quantum dot films, FPGA/multi-core GPU image processing modules, ARINC-818/fiber optic video interfaces, and gallium nitride power management ICs. In the cost structure, high-brightness wide-temperature LCD or Micro-LED modules account for 35%–45% of the total BOM, shielding glass and vibration-resistant frame account for 15%–20%, image generation and interface circuits account for 20%–25%, and the remainder is for optical bonding, environmental testing, airworthiness certification, and software V&V. Due to the stringent certification requirements of DO-178C/DO-254 and DO-160, a single 15-in IDU costs \$30,000–\$50,000, and a complete HUD system (including waveguide, projection, and

night vision interface) can reach \$100,000–\$200,000, making it one of the most expensive LRUs in the cockpit.

This report studies the global Cockpit Display System for Aerospace production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Cockpit Display System for Aerospace and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Cockpit Display System for Aerospace that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Cockpit Display System for Aerospace total production and demand, 2021-2032, (Units)

Global Cockpit Display System for Aerospace total production value, 2021-2032, (USD Million)

Global Cockpit Display System for Aerospace production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Cockpit Display System for Aerospace consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Cockpit Display System for Aerospace domestic production, consumption, key domestic manufacturers and share

Global Cockpit Display System for Aerospace production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Cockpit Display System for Aerospace production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Cockpit Display System for Aerospace production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Cockpit Display System for Aerospace market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Honeywell Aerospace, Thales, GE Aviation, Collins Aerospace, Elbit Systems, Transdigm, Northrop Grumman, Aspen Avionics, Avidyne Corporation, Garmin, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Cockpit Display System for Aerospace market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Cockpit Display System for Aerospace Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Cockpit Display System for Aerospace Market, Segmentation by Type:

Head-down Display (HDD)

Head-up Display (HUD)

## Global Cockpit Display System for Aerospace Market, Segmentation by Technology System:

CRT Era

LCD Era

Next Generation

## Global Cockpit Display System for Aerospace Market, Segmentation by Redundancy Level:

Dual Redundancy

Quadruple Redundancy

## Global Cockpit Display System for Aerospace Market, Segmentation by Application:

Civilian Aircraft

Military Fighter Jet

Helicopter/VSTOL

Spacecraft/Spacecraft

## Companies Profiled:

Honeywell Aerospace

Thales

GE Aviation

Collins Aerospace

Elbit Systems

Transdigm

Northrop Grumman

Aspen Avionics

Avidyne Corporation

Garmin

L3Harris

Dynon Avionics

**Key Questions Answered:**

1. How big is the global Cockpit Display System for Aerospace market?
2. What is the demand of the global Cockpit Display System for Aerospace market?
3. What is the year over year growth of the global Cockpit Display System for Aerospace market?
4. What is the production and production value of the global Cockpit Display System for Aerospace market?
5. Who are the key producers in the global Cockpit Display System for Aerospace market?
6. What are the growth factors driving the market demand?

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