

# Global Synthetic Vision System (SVS) Market Growth (Status and Outlook) 2026-2032

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## Abstracts

The global Synthetic Vision System (SVS) market size is predicted to grow from US\$ 462 million in 2025 to US\$ 677 million in 2032; it is expected to grow at a CAGR of 5.7% from 2026 to 2032.

Synthetic Vision Systems (SVS) are avionics systems that generate real-time, 3D virtual images of the external environment by integrating aircraft position, attitude, and heading data with digital databases covering terrain, airports, obstacles, and navigation. By displaying terrain, runways, and flight paths on Primary Flight Displays (PFDs) or Head-Up Displays (HUDs), these systems enhance pilot situational awareness and operational safety.

The upstream sector primarily comprises suppliers of avionics chips, displays, graphics processors, inertial navigation equipment, satellite navigation receivers, terrain and airport databases, and software development tools. The downstream sector encompasses manufacturers of commercial aircraft, business jets, military aircraft, helicopters, and general aviation aircraft, as well as airlines, military forces, maintenance and retrofit organizations, and flight training facilities.

Future global SVS development will focus on high-resolution 3D displays, real-time database updates, and multi-source information fusion. With the widespread adoption of next-generation digital cockpits, SVS will increasingly integrate data from Enhanced Vision Systems (EVS), weather radar, traffic alerts, and terrain warnings to provide comprehensive visual solutions. Artificial intelligence will be employed for obstacle recognition, flight path prediction, and risk alerts, thereby improving decision-support capabilities in adverse weather and low-visibility conditions. Meanwhile, open avionics architectures, modular software, and lightweight display hardware will reduce system

integration and retrofit costs, facilitating the expansion of SVS technology from large commercial aircraft and high-end business jets to helicopters, general aviation aircraft, and advanced air mobility (AAM) vehicles.

LPI (LP Information)' newest research report, the "Synthetic Vision System (SVS) Industry Forecast" looks at past sales and reviews total world Synthetic Vision System (SVS) sales in 2025, providing a comprehensive analysis by region and market sector of projected Synthetic Vision System (SVS) sales for 2026 through 2032. With Synthetic Vision System (SVS) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Synthetic Vision System (SVS) industry.

This Insight Report provides a comprehensive analysis of the global Synthetic Vision System (SVS) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Synthetic Vision System (SVS) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Synthetic Vision System (SVS) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Synthetic Vision System (SVS) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Synthetic Vision System (SVS).

This report presents a comprehensive overview, market shares, and growth opportunities of Synthetic Vision System (SVS) market by product type, application, key players and key regions and countries.

## **Segmentation by Type:**

Primary Flight Display-Based SVS

Head-Up Display-Based SVS

Helmet-Mounted Display-Based SVS

Multifunction Display-Based SVS

Multi-Display Integrated SVS

## **Segmentation by Sensor Technology:**

Visible-Light Camera-Based SVS

Infrared Sensor-Based SVS

Millimeter-Wave Radar-Based SVS

LiDAR-Based SVS

Multispectral Sensor-Fusion SVS

## **Segmentation by System Architecture:**

Standalone SVS

Federated SVS

Integrated Modular Avionics SVS

## **Segmentation by Application:**

Commercial Aircraft

Business Jets

Military Aircraft

Helicopters

Others

## **This report also splits the market by region:**

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Honeywell Aerospace Technologies

RTX

Garmin

Thales

Elbit Systems

Universal Avionics

Genesys Aerosystems(Moog?)

Avidyne

L3Harris Technologies

Anhui Huamin Avionics System

## Sichuan Hermes Aviation Technology

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