

# Integrated Visual Augmentation System Market to Reach US \$6.58 Billion by 2029

*The Business Research Company's  
Integrated Visual Augmentation System  
Global Market Report 2025 – Market Size,  
Trends, And Global Forecast 2025-2034*

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What Is The Estimated Industry Size Of Integrated Visual Augmentation System Market?

Rapid expansion has been observed in recent years in the [market size of the integrated visual augmentation system](#). The market is projected to expand from \$3.48 billion in 2024 to \$3.96 billion in 2025, representing a compound annual growth rate (CAGR) of 13.8%. The substantial growth during the historical period can be tied to the rise in military modernization initiatives, an increasing need for more effective soldier lethality and survivability, higher defense budgets in developed countries, and a growing emphasis on network-centric warfare.

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The Business Research  
Company's Latest Report  
Explores Market Driver,  
Trends, Regional Insights -  
Market Sizing & Forecasts  
Through 2034”

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The market size for the integrated visual augmentation

system is forecasted to increase swiftly in the forthcoming years. By 2029, the value is anticipated to reach \$6.58 billion, with a compound annual growth rate (CAGR) of 13.5%. This development during the projection period can be associated with the rising implementation of cloud-connected soldier ecosystems, increased emphasis on multi-domain operations, escalating requirements for advanced border monitoring and reconnaissance, growing demand for lightweight and energy-efficient wearables, and an increasing risk scenario in asymmetric warfare. Key trends during this forecast period include the evolution of open architecture platforms, the creation of mission-centric interfaces, incorporation with battlefield management systems, integration of biometric monitoring features, and advancements in sensor fusion methods.

Download a free sample of the integrated visual augmentation system market report:  
<https://www.thebusinessresearchcompany.com/sample.aspx?id=25362&type=smp>

### What Are The Major Factors Driving The Integrated Visual Augmentation System Global Market Growth?

The surge in initiatives aimed at modernizing defense is anticipated to fuel the expansion of the integrated visual augmentation system market. These initiatives often involve a military department of a certain nation taking organized steps to boost and upgrade its potential through the incorporation of cutting-edge technologies, the development of infrastructure, and the update of equipment and systems. The escalations in these defense modernization programs can largely be attributed to growing geopolitical issues, as countries aim to amplify military potency and retain strategic dominance. The integrated visual augmentation system contributes to these initiatives by offering superior augmented reality features, enhancing the perception of situation for soldiers and fostering better decision-making. This system backs mission success through immediate information, sensor alliances, and fluid communication in the field. As an example, the United States Department of Defense reported in May 2022 that the U.S Army's Facilities Sustainment, Restoration, and Modernization (FSRM) and Demolition programs had acquired funds worth \$2,832.0 million in 2022, marking a rise from \$2,090.3 million in 2021. Thus, the surge in defense modernization programs is triggering the advancement of the integrated visual augmentation system market.

### Who Are The Leading Companies In The Integrated Visual Augmentation System Market?

Major players in the Integrated Visual Augmentation System Global Market Report 2025 include:

- Microsoft Corporation
- RTX Corporation
- Lockheed Martin Corporation
- BAE Systems plc
- Thales Group
- CACI International Inc.
- Elbit Systems Ltd.
- ASELSAN Elektronik Sanayi ve Ticaret A.Ş.
- Gentex Corporation
- Anduril Industries Inc.

### What Are The Prominent Trends In The Integrated Visual Augmentation System Market?

Leading firms in the integrated visual augmentation system (IVAS) market are prioritizing the development of cutting-edge solutions such as advanced optical filter assemblies, aiming to boost visual clarity, sensor functionality, and efficient integration of augmented reality (AR) into combat systems. These assemblies are advanced components that enhance image sharpness, sensor precision, and AR display performance under different light conditions. For example, in April 2024, a U.S.-based defense optics manufacturer, Optex Systems Inc., expressed its backing

for the IVAS Filter Assembly, an innovative optical component designed specifically for military-grade AR systems. This IVAS filter assembly is characterized by meticulously designed coatings that allow selective light filtering, robust impact durability, and resistance to environmental elements. Its integration bolsters the performance of AR-driven headsets used by the U.S. Army, providing clear vision on the battlefield under different lighting and weather conditions, while ensuring compatibility with thermal imaging and heads-up display overlays.

What Are The Primary [Segments Covered In The Global Integrated Visual Augmentation System Market Report?](#)

The integrated visual augmentation system market covered in this report is segmented –

- 1) By Component Type: Displays, Sensors, Software, Controllers
- 2) By Product: Helmet Mounted Display, Night Vision Device
- 3) By Technology: Augmented Reality (AR), Mixed Reality (MR), Virtual Reality (VR), Thermal And Low-Light Imaging, Other Technologies
- 4) By Application: Situational Awareness, Navigation And Mapping, Training And Simulation, Target Acquisition And Engagement, Other Applications
- 5) By End Use: Defense, Commercial, Education, HealthCare

Subsegments:

- 1) By Displays: Head-Mounted Displays (HMDs), Augmented Reality (AR) Lenses, Retinal Projection Displays
- 2) By Sensors: Environmental Sensors, Motion And Position Sensors (e.g., IMUs), Eye-Tracking Sensors, Thermal And Night Vision Sensors
- 3) By Software: Augmented Reality Software, Target Recognition And Tracking Algorithms, Navigation And Mapping Software, Simulation And Training Modules
- 4) By Controllers: Wearable Input Devices, Gesture Recognition Controllers, Voice Command Interfaces, Tactile Feedback Devices

View the full integrated visual augmentation system market report:

<https://www.thebusinessresearchcompany.com/report/integrated-visual-augmentation-system-global-market-report>

Which Region Is Forecasted To Grow The Fastest In The Integrated Visual Augmentation System Industry?

In 2024, North America held the leading position in the global integrated visual augmentation system market. The region with the highest anticipated growth rate for the forecasted period is Asia-Pacific. The market report covers seven regions in total: Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: [saumyas@tbrc.info](mailto:saumyas@tbrc.info)

[The Business Research Company - www.thebusinessresearchcompany.com](http://www.thebusinessresearchcompany.com)

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Oliver Guirdham

The Business Research Company

+44 7882 955267

[info@tbrc.info](mailto:info@tbrc.info)

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