

Image Intensifier Market Set to Surge: Key Trends and Forecast 2021-2031

Image Intensifier Market Expected to Reach \$3.2 Billion by 2031—Allied Market Research

WILMINGTON, DE, UNITED STATES, October 17, 2024 /EINPresswire.com/ -- Allied Market Research, titled, "[Image Intensifier Market](#) by Application, Industry Vertical, and Region:: Global Opportunity Analysis and Industry Forecast, 2022-2031." The image intensifier market was valued at \$1.6 billion in 2021 and is estimated to reach \$3.2 billion by 2031, growing at a CAGR of 7.5% from 2022 to 2031.



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The image intensifier market is set to grow due to rising night vision demand, industrial and scientific use, and increased fraud prevention needs.”

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Image intensifiers are versatile devices that are widely used in a variety of applications to enhance the sensitivity of instruments and systems in low-light conditions, allowing for more accurate and detailed observations and measurements. Image intensifiers are electronic devices that convert low-light images into brighter and more visible images. They work by capturing light photons and amplifying them through a series of optical and electronic components. They are widely used in a variety of applications, including military, law enforcement, industrial

inspection, scientific research, medical imaging, and outdoor recreation. In the military and law enforcement sectors, image intensifiers are used for surveillance, reconnaissance, and targeting operations in low-light conditions. They are also used in hunting, wildlife observation, and outdoor recreational activities to enhance the visibility of objects in low-light conditions.

The growth of the global [image intensifier market size](#) is majorly driven by the surge in demand

for night vision technology coupled with the growing use of image intensifiers in industrial and scientific applications. Moreover, the rise in the need to identify and stop fraudulent activity is expected to drive image intensifier market growth. However, the competition from alternative technologies is acting as a prime restraint of the global image intensifier market. On the contrary, the surge in the adoption of intensifiers in medical imaging, and the rise in defense spending paired with the rise in defense spending are anticipated to provide lucrative opportunities for the image intensifier industry during the forecast period.

According to the image intensifier market analysis, the goggles segment was the highest contributor to the market in 2021. The defense & surveillance and medical segments collectively accounted for around 67.0% market share in 2021. The surge in prime players' initiatives to develop and deploy next-generation defense solutions globally has led to the growth of the goggles segment; thereby, enhancing the image intensifier market growth.

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The outbreak of COVID-19 has significantly impacted the growth of image intensifier solutions. The decline in growth in manufacturing solutions has significantly impacted the demand for image intensifier solutions during the pandemic. Further, the lack of availability of a professional workforce due to the partial and complete lockdown implemented by governments across the globe has restrained the growth of the image intensifier market during the pandemic. However, the rise in demand for next-generation image intensifier fluoroscopy and image intensifier night vision solutions globally has led to the growth of the image intensifier market post-pandemic.

Region-wise, the image intensifier market trends are analyzed across North America (the U.S., Canada, and Mexico), Europe (the UK, Germany, France, and the Rest of Europe), Asia-Pacific (China, Japan, India, South Korea, and the Rest of Asia-Pacific), and LAMEA (Latin America, Middle East, and Africa). North America, holds a significant share of the global image intensifier market, owing to the presence of prime players in this region. Further, the U.S. holds a dominating position in the image intensifier market, owing to a rise in investment by prime players and government agencies to develop next-generation image intensifier-based night vision and goggles solutions to offer better user experience to end users has led to the image intensifier market growth during the forecast period.

In the industrial sector, image intensifiers are used in industrial inspection to detect defects and contaminants in materials, and in non-destructive testing (NDT) applications, such as x-ray and radiography, to detect internal defects in structures and materials. In medical imaging, image intensifiers are used to enhance the sensitivity of X-ray and fluoroscopy equipment, allowing doctors and radiologists to produce high-quality images of internal structures and organs. Among applications, the goggles segment was the highest contributor to the market in 2021. Among industry verticals, the defense and surveillance segment was the highest revenue contributor in 2021.

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Image intensifier market

- By Application, In 2021, the goggles segment accounted for maximum revenue and is projected to grow at a notable CAGR of 8.6% during the forecast period.
- By Industry, the defense and surveillance segment was the highest revenue contributor to the image intensifier market in 2021.
- The defense & surveillance and medical segments collectively accounted for around 67.0% [image intensifier market share](#) in 2021.
- North America acquired a major share of the image intensifier market with an industry share of 42.6% in 2021

The key players profiled in the report include [Raytheon](#), [Boeing](#), [L3Harris Technologies](#), [General Dynamics](#), [Honeywell](#), [Northrop Grumman](#), [Lockheed Martin](#), [Raytheon](#), [Boeing](#), [L3Harris Technologies](#), [General Dynamics](#), [Honeywell](#), [Northrop Grumman](#), [Lockheed Martin](#), [Raytheon](#), [Boeing](#), [L3Harris Technologies](#), [General Dynamics](#), [Honeywell](#), [Northrop Grumman](#), [Lockheed Martin](#). Market players have adopted various strategies such as product launches, collaboration, partnerships, joint ventures, and acquisitions to expand their foothold in the image intensifier market.

Image intensifier market:

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