

North America Image Intensifier Tube Market Forecast to 2028 – COVID-19 Impact and Regional Analysis – by Generation (Generation 1, Generation 2, and Generation 3) and End User (Military, Healthcare and Biotech, and Others)

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Abstracts

The North America image intensifier tube market is expected to grow from US\$ 320.85 million in 2022 to US\$ 441.45 million by 2028. It is estimated to grow at a CAGR of 5.5% from 2022 to 2028.

Increase in Contracts for Procurement and Advancement of Night Vision Systems is Driving the North America Image Intensifier Tube Market

Armed forces of several countries are investing huge amounts in the reinforcement of their defense forces through technological advancements. These investments also support the efforts made to enhance the quality of training of military personnel. The rising financial support through military budgets is a major factor catalyzing the procurement of night vision goggles and binoculars in the military and defense sector. Several armed forces require a large number of these goggles for effectively performing their operations. A few of the major recent contracts for night vision systems, wherein the image intensifier market vendors are working collaboratively with product manufacturers, have been mentioned below.

- In July 2022, the Organisation Conjointe de Cooperation en mati?re d'Armement/Organisation for Joint Armament Co-operation (OCCAR) offered a contract to the consortium of HENSOLDT and THEON SENSORS for the production and delivery of binocular night vision goggles (BNVG) under the Night Vision Capability Programme of Belgian and German armed forces.

- In May 2022, the US Marine Corps awarded a contract worth US\$ 49 million to Elbit Systems Ltd for the supply of squad binocular night vision goggle (SBNVG) systems. This contract is a part of a five-year Indefinite Delivery Indefinite Quantity (IDIQ) contract, valued at US\$ 249 million, active from September 2019 to the end of 2024.
- In October 2021, the US Army awarded a contract worth US\$ 54 million to the Elbit Systems of America LLC for the continued production of the enhanced night vision goggle – binocular (ENVG-B).
- In May 2021, the US army announced updates in their night vision goggles with the integration of augmented reality (AR) into night vision systems, which provides a video game-like experience to the armed personnel during their training and military operations.

Such initiatives by the armed forces for the procurement and technological development of night vision goggles are catalyzing the image intensifier tube market. Further, the demand for better night vision systems is encouraging the market vendors to create innovative solutions to meet the growing customer demands and remain competitive in their respective marketplace.

North America Image intensifier tube Market Overview

Based on country, the North America image intensifier tube market is segmented into the US, Canada, and Mexico. Countries in North America are pioneers in adopting advanced technologies across all industries, including military and healthcare. The region has experienced a constant rise in military expenditure from countries such as the US and Canada to enhance their capabilities and empower their land, naval, and air forces with the most technologically advanced equipment. For instance, according to data published by Stockholm International Peace Research Institute (SIPRI), the defense spending for the US, Canada, and Mexico in 2021 accounted for US\$ 800,672.2 million; US\$ 26,449.2 million; and US\$ 8,680.8 million, respectively. This rise in military expenditure is positively impacting the demand for image intensifier tubes. For instance, in June 2022, the US Army awarded two contracts to L3Harris Technologies Inc and Elbit Systems Ltd for US\$ 11.1 million and US\$ 9.7 million, respectively, to supply image-intensifier tubes for various night operations and devices. These factors are driving the North America image intensifier tube market.

North America Image intensifier tube Market Revenue and Forecast to 2028 (US\$

Million)

North America Image intensifier tube Market Segmentation

The North America image intensifier tube market is segmented into generation, and country.

Based on generation, the North America image intensifier tube market is segmented into generation 1, generation 2, and generation 3. The generation 1 segment registered the largest market share in 2022.

Based on end user, the North America image intensifier tube market is segmented into military, electronics & semiconductors, others. The military segment held the largest market share in 2022.

Based on country, the North America image intensifier tube market is segmented into the US, Canada, and Mexico. The US dominated the market share in 2022.

Canon Electron Tubes & Devices Co Ltd; Elbit Systems Ltd; Hamamatsu Photonics (Hakuto Taiwan Ltd); L3Harris Technologies Inc; Newcon International Ltd; Photech Ltd; and Photonis Technologies SAS are the leading companies operating in the North America image intensifier tube market.

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