

South 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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- Single User Price \$3000.00
- Site Price \$4000.00
- Enterprise Price \$5000.00

Report description:

The South America image intensifier tube market is expected to grow from US\$ 54.35 million in 2022 to US\$ 61.93 million by 2028. It is estimated to grow at a CAGR of 2.2% from 2022 to 2028.

Increasing Integration in Variable-Speed Imaging Applications is Driving the South America Image Intensifier Tube Market

The demand for image intensifier tubes is increasing with the procurement of high-speed camera systems such as HiCATT (i.e., high-speed intensified camera attachment). Such instruments are utilized to capture the images in moving conditions. For example, combustion research demands the capturing of each stage of combustion inside any chamber; this application requires high-speed imaging systems. Image intensifier tubes enable the enhancement of the quality of captured images, along with high-resolution output, in such high-speed imaging applications. Moreover, image intensification systems help collect images for super slow-motion combustion research in the automotive industry. Several companies and organizations have been constantly working on the development of efficient and low-emission combustion technologies, which continues to generate the demand for more advanced image intensifier products for combustion research applications. Thus, the increasing demand for varying-speed (high, low, and ultra-speed) imaging systems is one of the major trends catalyzing the growth of the image intensifier tube market.

South America Image Intensifier Tube Market Overview

Based on geography, the South America image intensifier market is segmented into Brazil, Argentina, and the Rest of South America. Over the years, countries in South America have experienced a rise in the adoption of technologically advanced military

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equipment to enhance their military capabilities. Government bodies across countries such as Brazil, Chile, Colombia, and Peru have increased their military spending over the years. According to SIPRI, Brazil, Chile, Colombia, and Peru spent 3.28%, 5.90%, 9.57%, and 4.49%, respectively towards their military in 2021. This rise in military spending in the countries mentioned above has propelled the demand for image intensifier tubes from the region's military sector over the forecast period. South American countries have experienced a rise in investment in the healthcare sector to enhance their medical infrastructure. According to the Brazilian Association of Medical, Dental, Hospital and Laboratory Equipment Industries (ABIMO), there are more than 400 medical and dental device manufacturers

in Sao Paulo, Brazil. These companies are engaged in developing advanced products such as spectroscopy machines and c-Arm machines integrated with image intensifiers to enhance the efficiency of the systems. These factors are propelling the growth of the South America image intensifier market.

South America Image intensifier tube Market Revenue and Forecast to 2028 (US\$ Million)

South America Image Intensifier Tube Market Segmentation

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

Based on generation, the South 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 South 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 South America image intensifier tube market is segmented into Brazil, Argentina, and the Rest of South America. Brazil dominated the market share in 2022.

Elbit Systems Ltd; Hamamatsu Photonics (Hakuto Taiwan Ltd); L3Harris Technologies Inc; and Photonis Technologies SAS are the leading companies operating in the South America image intensifier tube market.

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