

# 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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## Abstracts

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 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.

## Contents

### **1. INTRODUCTION**

- 1.1 Study Scope
- 1.2 The Insight Partners Research Report Guidance
- 1.3 Market Segmentation

### **2. KEY TAKEAWAYS**

### **3. RESEARCH METHODOLOGY**

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

### **4. SAM IMAGE INTENSIFIER TUBE MARKET LANDSCAPE**

- 4.1 Market Overview
- 4.2 SAM PEST Analysis
  - 4.2.1 SAM America
  - 4.2.2 Europe
  - 4.2.3 APAC
  - 4.2.4 MEA
  - 4.2.5 SAM
- 4.3 Ecosystem Analysis
- 4.4 Expert Opinion

### **5. SAM IMAGE INTENSIFIER TUBE MARKET - KEY MARKET DYNAMICS**

- 5.1 Market Drivers
  - 5.1.1 Increase in Contracts for Procurement and Advancement of Night Vision Systems
  - 5.1.2 Rising Demand for X-Ray Machines
- 5.2 Market Restraint
  - 5.2.1 Longer Lifespan of Image Intensifier Tubes
- 5.3 Market Opportunity
  - 5.3.1 Deployment of Next-Generation Military Surveillance Systems
- 5.4 Future Trend

- 5.4.1 Increasing Integration in Variable-Speed Imaging Applications
- 5.5 Impact Analysis of Drivers and Restraints

## **6. IMAGE INTENSIFIER TUBE MARKET – SAM MARKET ANALYSIS**

- 6.1 SAM Image Intensifier Tube Market Forecast and Analysis

## **7. SAM IMAGE INTENSIFIER TUBE MARKET REVENUE AND FORECAST TO 2028 – GENERATION**

- 7.1 Overview
- 7.2 SAM Image Intensifier Tube Market, By Generation (2021 & 2028)
- 7.3 Generation
  - 7.3.1 Overview
  - 7.3.2 Generation 1: SAM Image Intensifier Tube Market Revenue and Forecast to 2028 (US\$ Million)
- 7.4 Generation
  - 7.4.1 Overview
  - 7.4.2 Generation 2: SAM Image Intensifier Tube Market Revenue and Forecast to 2028 (US\$ Million)
- 7.5 Generation
  - 7.5.1 Overview
  - 7.5.2 Generation 3: SAM Image Intensifier Tube Market Revenue and Forecast to 2028 (US\$ Million)

## **8. SAM IMAGE INTENSIFIER TUBE MARKET REVENUE AND FORECAST TO 2028 – END USER**

- 8.1 Overview
- 8.2 SAM Image Intensifier Tube Market, By End User (2021 & 2028)
- 8.3 Military
  - 8.3.1 Overview
  - 8.3.2 Military: SAM Image Intensifier Tube Market Revenue and Forecast to 2028 (US\$ Million)
- 8.4 Healthcare & Biotech
  - 8.4.1 Overview
  - 8.4.2 Healthcare & Biotech: SAM Image Intensifier Tube Market Revenue and Forecast to 2028 (US\$ Million)
- 8.5 Others

8.5.1 Overview

8.5.2 Others: SAM Image Intensifier Tube Market Revenue and Forecast to 2028 (US\$ Million)

## **9. SAM IMAGE INTENSIFIER TUBE MARKET – COUNTRY ANALYSIS**

9.1 Overview

9.1.1 South America: Image Intensifier Tube Market, By Key Country

9.1.1.1 Brazil: Image Intensifier Tube Market – Revenue and Forecast to 2028 (US\$ Million)

9.1.1.1.1 Brazil: Image Intensifier Tube Market, By Generation

9.1.1.1.2 Brazil: Image Intensifier Tube Market, By End User

9.1.1.2 Argentina: Image Intensifier Tube Market – Revenue and Forecast to 2028 (US\$ Million)

9.1.1.2.1 Argentina: Image Intensifier Tube Market, By Generation

9.1.1.2.2 Argentina: Image Intensifier Tube Market, By End User

9.1.1.3 Rest of South America: Image Intensifier Tube Market – Revenue and Forecast to 2028 (US\$ Million)

9.1.1.3.1 Rest of South America: Image Intensifier Tube Market, By Generation

9.1.1.3.2 Rest of South America: Image Intensifier Tube Market, By End User

## **10. INDUSTRY LANDSCAPE**

10.1 Overview

10.2 Market Initiative

10.3 New Product Development

10.4 Merger and Acquisition

## **11. COMPANY PROFILES**

11.1 L3Harris Technologies Inc

11.1.1 Key Facts

11.1.2 Business Description

11.1.3 Products and Services

11.1.4 Financial Overview

11.1.5 SWOT Analysis

11.1.6 Key Developments

11.2 Photonis Technologies SAS

11.2.1 Key Facts

- 11.2.2 Business Description
- 11.2.3 Products and Services
- 11.2.4 Financial Overview
- 11.2.5 SWOT Analysis
- 11.2.6 Key Developments
- 11.3 Hamamatsu Photonics (Hakuto Taiwan Ltd)
- 11.3.1 Key Facts
- 11.3.2 Business Description
- 11.3.3 Products and Services
- 11.3.4 Financial Overview
- 11.3.5 SWOT Analysis
- 11.3.6 Key Developments
- 11.4 Elbit Systems Ltd
- 11.4.1 Key Facts
- 11.4.2 Business Description
- 11.4.3 Products and Services
- 11.4.4 Financial Overview
- 11.4.5 SWOT Analysis
- 11.4.6 Key Developments

## **12. APPENDIX**

- 12.1 About The Insight Partners
- 12.2 Word Index

## List Of Tables

### LIST OF TABLES

Table 1. SAM Image Intensifier Tube Market Revenue and Forecast to 2028 (US\$ Million)

Table 2. Brazil: Image Intensifier Tube Market, By Generation – Revenue and Forecast to 2028 (US\$ Million)

Table 3. Brazil: Image Intensifier Tube Market, By End User – Revenue and Forecast to 2028 (US\$ Million)

Table 4. Argentina: Image Intensifier Tube Market, By Generation – Revenue and Forecast to 2028 (US\$ Million)

Table 5. Argentina: Image Intensifier Tube Market, By End User – Revenue and Forecast to 2028 (US\$ Million)

Table 6. Rest of South America: Image Intensifier Tube Market, By Generation – Revenue and Forecast to 2028 (US\$ Million)

Table 7. Rest of South America: Image Intensifier Tube Market, By End User – Revenue and Forecast to 2028 (US\$ Million)

Table 8. List of Abbreviation



## List Of Figures

### LIST OF FIGURES

- Figure 1. SAM Image Intensifier Tube Market Segmentation
- Figure 2. SAM Image Intensifier Tube Market Segmentation – Country
- Figure 3. SAM Image Intensifier Tube Market Overview
- Figure 4. SAM Image Intensifier Tube Market, By Generation
- Figure 5. SAM Image Intensifier Tube Market, By End User
- Figure 6. SAM Image Intensifier Tube Market, By country
- Figure 7. SAM America – PEST Analysis
- Figure 8. Europe – PEST Analysis
- Figure 9. APAC – PEST Analysis
- Figure 10. MEA – PEST Analysis
- Figure 11. SAM – PEST Analysis
- Figure 12. Image Intensifier Tube Market: Ecosystem Analysis
- Figure 13. Expert Opinion
- Figure 14. Image Intensifier Tube Market: Impact Analysis of Drivers and Restraints
- Figure 15. South America: Image Intensifier Tube Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 16. SAM Image Intensifier Tube Market, By Generation (2021 & 2028)
- Figure 17. Generation 1: SAM Image Intensifier Tube Market Revenue and Forecast to 2028 (US\$ Million)
- Figure 18. Generation 2: SAM Image Intensifier Tube Market Revenue and Forecast to 2028 (US\$ Million)
- Figure 19. Generation 3: SAM Image Intensifier Tube Market Revenue and Forecast to 2028 (US\$ Million)
- Figure 20. SAM Image Intensifier Tube Market, By End User (2021 & 2028)
- Figure 21. Military: SAM Image Intensifier Tube Market Revenue and Forecast to 2028 (US\$ Million)
- Figure 22. Healthcare & Biotech: SAM Image Intensifier Tube Market Revenue and Forecast to 2028 (US\$ Million)
- Figure 23. Others: SAM Image Intensifier Tube Market Revenue and Forecast to 2028 (US\$ Million)
- Figure 24. South America: Image Intensifier Tube Market, by Key Country – Revenue (2021) (US\$ Million)
- Figure 25. South America: Image Intensifier Tube Market Revenue Share, By Key Country (2021 & 2028)
- Figure 26. Brazil: Image Intensifier Tube Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 27. Argentina: Image Intensifier Tube Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 28. Rest of South America: Image Intensifier Tube Market – Revenue and Forecast to 2028 (US\$ Million)

## I would like to order

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