

Surgical Imaging Market Set to Surge to \$1.49 Billion by 2026 at a 4.3% CAGR

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WILMINGTON, DE, UNITED STATES, February 4, 2025 /EINPresswire.com/ -- The [surgical imaging market](#) has experienced significant growth in recent years, driven by advancements in medical technology and an increasing demand for minimally invasive procedures. In 2018, the global surgical imaging market was valued at \$1,063 million and is projected to reach \$1,496 million by 2026, exhibiting a CAGR of 4.3% from 2019 to 2026.



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Surgical Imaging Market Growth Factors

Several key factors contribute to the expansion of the surgical imaging market:

- 1. Rise in Minimally Invasive Procedures:** There is a global increase in the number of minimally invasive surgeries, which require precise imaging for better outcomes. The demand for surgical imaging systems has surged to facilitate these procedures.
- 2. Technological Advancements:** The development of flat panel detector (FPD) technology has enhanced image quality, leading to its widespread adoption in surgical imaging systems. Additionally, the introduction of new systems like O-arms and G-arms has further propelled market growth.
- 3. Increase in Hybrid Operating Rooms:** The growing number of hybrid operating rooms, which

integrate advanced imaging systems, has significantly boosted the demand for surgical imaging devices.

4. Demand for Integrated Imaging Systems: Surgeons are increasingly seeking integrated imaging solutions that offer real-time guidance during complex procedures, thereby driving market growth.

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Surgical Imaging Market Segmentation

The surgical imaging market is segmented based on modality type, technology, application, and region.

1. By Modality Type:

- Mobile C-Arms: These are versatile imaging devices widely used in various surgical procedures due to their flexibility and ease of use.
- Mini C-Arms: Smaller versions of C-arms, ideal for extremity surgeries and outpatient settings.
- Others: Includes specialized imaging systems tailored for specific surgical applications.

2. By Technology:

- Image Intensifier: Traditional technology that amplifies low-light images, commonly used in older surgical imaging systems.
- Flat Panel Detector (FPD): Modern technology offering superior image quality, reduced radiation exposure, and enhanced durability, leading to its increased adoption.

3. By Application:

- Neurosurgery: Utilizes imaging for precise navigation during brain and spinal surgeries.
- Orthopedic & Trauma Surgery: Dominates the market due to the high adoption of imaging systems in procedures like fracture fixations and joint replacements.
- Cardiovascular: Employs imaging to guide interventions such as angioplasties and valve replacements.
- General Surgery: Incorporates imaging for a variety of procedures, enhancing accuracy and outcomes.
- Other Surgeries: Includes urological, gastrointestinal, and other specialized surgical fields.

4. By Region:

- North America: Holds a significant share due to advanced healthcare infrastructure and high adoption of innovative technologies.
- Europe: Demonstrates steady growth with increasing investments in healthcare and technological advancements.
- Asia-Pacific: Expected to exhibit the fastest growth, driven by a large patient population, improving healthcare facilities, and rising medical tourism.
- LAMEA (Latin America, Middle East, and Africa): Shows potential growth opportunities with ongoing healthcare developments and increasing awareness of advanced surgical procedures.

Key Players in the Surgical Imaging Market

The surgical imaging market features several prominent companies that contribute to its growth and innovation. Notable key players include:

- GE Healthcare (A Subsidiary of General Electric Company)
- GENORAY Co. Ltd.
- Hologic, Inc.
- Koninklijke Philips N.V.
- Medtronic plc
- Shimadzu Corp.
- Siemens Healthineers AG
- Toshiba Medical Systems Corporation
- Whale Imaging Inc.
- Ziehm Imaging GmbH

These companies are at the forefront of developing and supplying advanced surgical imaging systems, thereby shaping the market's landscape.

The surgical imaging market is poised for continued growth, driven by technological advancements, an increase in minimally invasive procedures, and the rising prevalence of hybrid operating rooms. As healthcare systems worldwide adopt more integrated and advanced imaging solutions, the market is expected to expand further, offering improved outcomes for patients and enhanced capabilities for surgeons.

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