

Global Bed Exit Monitoring System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Bed Exit Monitoring System market size was valued at US\$ 188 million in 2025 and is forecast to a readjusted size of US\$ 295 million by 2032 with a CAGR of 6.6% during review period.

Bed Exit Monitoring System refers to a patient safety monitoring device or integrated system designed to identify whether a patient or care recipient is lying in bed, sitting up, moving toward the bed edge, leaving the bed, or remaining out of bed beyond a preset period, and to transmit an alert to caregivers. A standard system generally consists of a bed-side sensing unit, signal-processing or control hardware, an alarm device or communication interface, and basic monitoring software. Commercial products use pressure-sensitive pads, pneumatic sensing, load cells, piezoelectric micro-vibration sensing, radar, infrared sensing, optical vision, and other sensing technologies. Systems may be installed above or below the mattress, integrated into the bed structure, or mounted externally within the room. Bed Exit Monitoring System products are primarily deployed in hospitals, nursing and long-term care facilities, assisted living communities, community care centers, and home care settings to support fall prevention, unattended bed-exit detection, nighttime supervision, and more efficient allocation of nursing resources.

Key Findings

2025 global shipments reached approximately 430 thousand sets

2026 global shipments are estimated at 451 thousand sets

Average selling price was approximately US\$425 per system in 2025

Pressure-based systems remain the largest technology segment globally

Institutional care accounts for the majority of installed demand

Market Trends

The Bed Exit Monitoring System market is shifting from simple pressure-pad alarms toward multi-stage, connected patient safety platforms. Traditional products mainly detect weight removal after a patient has already left the mattress, while newer systems can identify body movement, sitting up, bed-edge positioning, and prolonged absence before or immediately after an exit event. Radar, optical vision, micro-vibration sensing, load-cell measurement, and intelligent mattress technologies are expanding the range of non-contact and low-contact monitoring options. Product development is increasingly focused on reducing false alarms, protecting patient privacy, supporting wireless installation, and integrating with nurse call systems, mobile applications, central monitoring stations, and remote care platforms. Customers are also moving from purchasing isolated alarm devices toward evaluating system-level performance, including workflow integration, alarm escalation, multi-bed management, software usability, and long-term maintenance requirements. This transition is gradually increasing the value of each monitored bed even though lower-priced pressure-based systems continue to account for the largest shipment volume.

Market Dynamics

Drivers

Demand is primarily supported by population aging, the increasing number of patients with mobility limitations or cognitive impairment, and continued pressure on hospitals and long-term care facilities to reduce preventable falls. Nursing staff shortages are strengthening demand for monitoring tools that can identify high-risk bed-exit behavior without continuous bedside observation. The expansion of smart hospitals, digital nursing systems, and connected elderly care infrastructure is also improving the commercial environment for networked Bed Exit Monitoring System products. In addition, the availability of lower-cost pressure systems and higher-performance radar,

intelligent mattress, and vision-based systems enables suppliers to address customers with different budgets and clinical requirements.

Restraints

Market expansion is limited by budget constraints in hospitals and elderly care institutions, particularly where purchasing decisions are based on the initial hardware price rather than total nursing efficiency. Pressure pads and other contact-based components may require periodic replacement due to wear, cleaning, and hygiene requirements, increasing lifetime ownership costs. Advanced radar and optical systems have higher initial prices and may require software subscriptions, communication infrastructure, or integration services. False alarms, poor sensor positioning, incompatible interfaces, and inconsistent operating procedures can also reduce user confidence and delay broader deployment.

Opportunities

The strongest opportunities are emerging in predictive bed-exit monitoring, non-contact sensing, multi-bed central management, and integrated nursing workflow platforms. Radar and privacy-preserving optical systems can expand adoption in facilities that are concerned about wearable compliance or camera privacy. Intelligent mattresses and under-mattress sensors provide opportunities to combine bed-exit monitoring with respiratory rate, heart rate, body movement, sleep condition, and pressure-injury risk monitoring. Emerging elderly care markets in Asia-Pacific also offer expansion potential as institutional care capacity increases and operators adopt digital monitoring tools. Home care remains less penetrated but presents a broad long-term opportunity through simpler installation, remote caregiver notification, and subscription-based service models.

Challenges

The industry lacks a fully unified standard for bed-exit event definitions, alarm sensitivity, predictive accuracy, false-alarm measurement, and interoperability with nurse call systems. Products using different sensing technologies may report similar functions but deliver materially different performance under changes in patient weight, mattress type, room layout, movement patterns, or caregiver workflow. Manufacturers must also manage privacy, cybersecurity, wireless reliability, clinical validation, and

regional medical device requirements. Market fragmentation makes customer education and channel development costly, while increasing competition from broader virtual nursing, fall detection, smart bed, and patient monitoring platforms may blur the independent value proposition of Bed Exit Monitoring System products.

Industry Chain Analysis

The upstream industry chain consists of pressure-sensitive materials, pneumatic components, load cells, piezoelectric films, radar modules, infrared and optical sensors, microcontrollers, wireless communication modules, medical-grade textiles, plastic housings, power components, and cloud or embedded software tools. Component requirements vary significantly by technology. Traditional pressure systems depend more heavily on sensor pads, cables, alarm controllers, and replaceable consumables, while radar and optical systems require higher-value sensing modules, edge-computing hardware, algorithms, and software development.

Midstream companies design, manufacture, integrate, and validate complete Bed Exit Monitoring System products. Their value creation increasingly depends on detection accuracy, false-alarm reduction, software usability, compatibility with nursing infrastructure, and after-sales support rather than hardware cost alone. Downstream customers include hospitals, nursing facilities, assisted living operators, community care providers, home care agencies, and individual caregivers. Hardware components represent a substantial share of cost for basic systems, while advanced systems allocate more value to algorithms, software, certification, integration, and recurring service. Suppliers capable of combining reliable sensing hardware with nursing workflow integration generally have stronger customer retention and higher per-bed revenue potential.

Segment Insights

Pressure-sensitive pad systems remain the largest technology segment and are estimated to represent approximately half of market value in 2026. Their leading position is supported by simple operation, relatively low purchase prices, established procurement channels, and broad use in hospitals, nursing facilities, and home care. However, this segment faces relatively mature demand, frequent pad replacement, and stronger price competition. Pneumatic and infrared systems serve more specialized requirements and are likely to remain comparatively smaller categories.

Smart mattress, load-cell, and piezoelectric micro-vibration systems collectively account for roughly 30% of market value, supported by their ability to monitor bed occupancy, movement, and selected physiological signals without requiring a visible bedside alarm pad. Radar and optical vision systems account for a smaller share of current demand, estimated at around 20%, but represent the most active technology upgrade direction. These products offer stronger opportunities in predictive alerts, non-contact monitoring, centralized analytics, and integration with broader digital nursing platforms. Products with unclear primary sensing technology or equally weighted multi-sensor configurations remain within the Other Sensing Systems category.

Downstream Market Opportunities

Hospitals and nursing and long-term care facilities remain the principal downstream markets because they manage the highest concentration of patients at risk of unattended bed exits and falls. Acute care customers place greater emphasis on nurse call integration, rapid alarm delivery, cleaning requirements, and compatibility with existing beds, while long-term care operators focus more on continuous nighttime supervision, multi-bed monitoring, ease of use, and staffing efficiency. Assisted living and community care facilities offer opportunities for lower-complexity connected systems, while home care demand is supported by aging in place and the need for remote family notification. The largest commercial opportunity is shifting toward products that can reduce unnecessary caregiver checks while reliably identifying patients who require timely assistance.

Regional Insights

North America is assessed as the largest regional market, supported by established fall-prevention purchasing practices, a large base of nursing and residential care beds, mature medical device distribution, and widespread use of pressure-pad and nurse-call-connected systems. The region also has an active group of AI patient monitoring and predictive bed-exit technology companies, allowing advanced solutions to coexist with traditional lower-cost products. Europe has a strong presence in telecare, remote monitoring, and institutional elderly care, with particularly developed supplier clusters in the United Kingdom, Germany, the Nordic countries, the Netherlands, and Switzerland.

Asia-Pacific is expected to show the strongest expansion in installed demand. Japan

has a mature specialist supplier base and a well-established product category for bed-exit sensors, while China is developing rapidly in intelligent mattresses, piezoelectric monitoring, radar sensing, and elderly care platforms. China Taiwan has strengths in pressure arrays, fiber-optic sensing, intelligent mattress systems, and electronics manufacturing. South Korea, Singapore, and India remain smaller markets but are contributing new radar, AI monitoring, and under-mattress sensing solutions. Regional growth will depend on elderly care investment, hospital digitalization, local reimbursement conditions, and customer acceptance of software-based monitoring.

Competitive Landscape Analysis

The Bed Exit Monitoring System market remains fragmented, with competition divided among traditional fall-prevention equipment manufacturers, intelligent mattress and physiological monitoring suppliers, radar and optical AI companies, nurse call and telecare groups, and smart bed manufacturers. Traditional suppliers compete through product reliability, low cost, established distribution channels, and compatibility with installed nursing infrastructure. Technology-focused companies differentiate through predictive detection, non-contact monitoring, reduced false alarms, centralized analytics, and integration with digital nursing workflows. Smart bed manufacturers benefit from embedding monitoring functions directly into bed platforms but must separate the value of the monitoring module from the broader bed system. Regional specialists remain important because purchasing standards, care workflows, communication interfaces, and regulatory requirements differ by market. The competitive advantage of leading suppliers is increasingly determined by a combination of sensing accuracy, system integration, clinical usability, product certification, channel coverage, and recurring software or service capabilities rather than by sensor hardware alone.

Report Scope

This report is a detailed and comprehensive analysis for global Bed Exit Monitoring System market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Bed Exit Monitoring System market size and forecasts, in consumption value (\$ Million), sales quantity (Sets), and average selling prices (US\$/Set), 2021-2032

Global Bed Exit Monitoring System market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Sets), and average selling prices (US\$/Set), 2021-2032

Global Bed Exit Monitoring System market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Sets), and average selling prices (US\$/Set), 2021-2032

Global Bed Exit Monitoring System market shares of main players, shipments in revenue (\$ Million), sales quantity (Sets), and ASP (US\$/Set), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Bed Exit Monitoring System

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Bed Exit Monitoring System market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Smart Caregiver Corporation, Curbell Medical Products, Inc., TIDI Products, LLC, Securitas Healthcare LLC, Personal Safety Corporation, RF Technologies, Inc., VirtuSense Technologies, Inc., Telehealth Sensors LLC, Baxter International Inc., Cognito Health Corp., etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Bed Exit Monitoring System market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market Segmentation

Market segment by Type

Pressure-Sensitive Pad Systems

Pneumatic Sensing Systems

Load-Cell Sensing Systems

Piezoelectric Micro-Vibration Sensing Systems

Radar Sensing Systems

Infrared Sensing Systems

Optical Vision Sensing Systems

Other

Market segment by Primary Sensor Position

On-Mattress Sensor Systems

Under-Mattress Sensor Systems

Bed-Integrated Sensor Systems

Room-Based External Sensor Systems

Other

Market segment by Application

Hospitals

Nursing and Long-Term Care Facilities

Assisted Living and Community Care Facilities

Home Care

Other

Major players covered

Smart Caregiver Corporation

Curbell Medical Products, Inc.

TIDI Products, LLC

Securitas Healthcare LLC

Personal Safety Corporation

RF Technologies, Inc.

VirtuSense Technologies, Inc.

Telehealth Sensors LLC

Baxter International Inc.

Cognito Health Corp.

Momo Medical Inc.

Crest Healthcare Supply

Frequency Precision Ltd.

Tunstall Healthcare Group Limited

Legrand S.A.

TeleAlarm Europe GmbH

Abilia AB

Emfit Ltd.

Alerta Medical Ltd

Medpage Ltd

QUMEA AG

Neteera Technologies Ltd.

Sensio AS

Kepler Vision Technologies B.V.

Careium AB

Vayyar Imaging Ltd.

LINET Group SE

Stieglmeyer GmbH & Co. KG

Sensor IT Ltd.

Chiptech International Limited

PARAMOUNT BED HOLDINGS CO., LTD.

Technos Japan Co., Ltd.

Hotron Co., Ltd.

BioSilver Co., Ltd.

Excel Engineering Co., Ltd.

HAKARU PLUS Corporation

PLATZ Co., Ltd.

F.S.C Co., Ltd.

CARECOM CO., LTD.

NIPRO CORPORATION

SEKISUI CHEMICAL CO., LTD.

TOKSO GIKEN CO., LTD.

TOTEC AMENITY LIMITED

Oki Electric Industry Co., Ltd.

Seahonence Inc.

Hanwei Electronics Group Corporation

Shenzhen LonBon Technology Co., Ltd.

Shenzhen Medica Technology Development Co., Ltd.

Suzhou Yidianyuan Shengwu Keji Youxian Gongsi

DewertOkin Technology Group Co., Ltd.

Shenzhen Willing Technology Co., Ltd.

Shenzhen Quantum Wisdom Technology Co., Ltd.

Guangdong Flexwarm Advanced Materials & Technology Co., Ltd.

Shanghai Renwei Electronics Technology Co., Ltd.

Shenzhen Hua'antai Intelligent Technology Co., Ltd.

Shenzhen Plus1Health Technology Co., Ltd.

Beijing Haisiruige Technology Co., Ltd.

Shenzhen Guowei Yixin Technology Co., Ltd.

Hunan ZENNZE Technology Co., Ltd.

Mengxiang Lingyu Chengdu Technology Co., Ltd.

Hangzhou Bobo Technology Co., Ltd.

Xiamen Milesight IoT Co., Ltd.

MWG Technologies Co., Ltd.

ForeAider Technology Co., Ltd.

Huijia Health Life Technology Co., Ltd.

Uneo Inc.

Humetrics Inc.

SEDA G-Tech Co., Ltd.

RANiX Inc.

Sys4Care Co., Ltd.

Turtle Shell Technologies Pvt. Ltd.

Rondish Company Limited

Hanshin Technology Limited

SmartPeep Pte. Ltd.

Bed Assist Pty Ltd.

Invisa-Beam International Pty Ltd.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

Chapter Outline

Chapter 1, to describe Bed Exit Monitoring System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bed Exit Monitoring System, with price, sales quantity, revenue, and global market share of Bed Exit Monitoring System from

2021 to 2026.

Chapter 3, the Bed Exit Monitoring System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Bed Exit Monitoring System breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Bed Exit Monitoring System market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Bed Exit Monitoring System.

Chapter 14 and 15, to describe Bed Exit Monitoring System sales channel, distributors, customers, research findings and conclusion.

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