

Global Full-body Scanner Market to Reach USD 592.60 Million by 2032

<https://marketpublishers.com/r/GBD4ED594D88EN.html>

Date: February 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: GBD4ED594D88EN

Abstracts

The Global Full-body Scanner Market was valued at approximately USD 175.19 million in 2023 and is anticipated to witness a robust CAGR of 14.5% from 2024 to 2032. As global security concerns intensify, the demand for advanced screening solutions capable of detecting concealed threats efficiently is rising exponentially. Full-body scanners, integrated with cutting-edge imaging technologies, are rapidly gaining traction across transportation hubs, high-risk critical infrastructure, and border security checkpoints. With governments tightening security regulations and law enforcement agencies focusing on real-time threat detection, full-body scanners are emerging as an indispensable element of modern security frameworks.

The surge in global terrorist threats, illicit smuggling, and growing airport security challenges is significantly fueling the adoption of full-body scanners. Countries are investing heavily in AI-powered threat detection, automated screening processes, and contactless scanning technologies to enhance security measures while maintaining passenger flow efficiency. Additionally, the transition towards millimeter wave technology is expected to drive the market forward, offering non-invasive, radiation-free screening alternatives. However, despite the growing adoption, concerns related to privacy rights, data protection, and high initial infrastructure costs remain key challenges that could potentially hinder market expansion over the forecast period.

Regionally, North America dominated the global full-body scanner market in 2023, driven by stringent security mandates, high investments in homeland security, and widespread adoption in airports, prisons, and government buildings. The U.S. Transportation Security Administration (TSA) has significantly increased funding for AI-enhanced body scanners, further accelerating market growth. Meanwhile, Europe is witnessing steady adoption, propelled by compliance with strict regulatory frameworks

such as the European Aviation Safety Agency (EASA) guidelines. On the other hand, Asia-Pacific is projected to exhibit the fastest growth, supported by rapid infrastructure development, rising aviation traffic, and escalating cross-border security concerns in key countries like China, India, and Japan.

Major market players included in this report are:

Smiths Group plc

L3Harris Technologies, Inc.

Rapiscan Systems Inc.

Rohde & Schwarz GmbH & Co. KG

Nuctech Company Limited

Adani Systems Inc.

Braun & Company Limited

Leidos Holdings, Inc.

Westminster Group Plc

CEIA SpA

Evolv Technology

VMI Security Systems

OD Security

Tek84 Inc.

Gilardoni S.p.A

The detailed segments and sub-segments of the market are explained below:

By Type:

Single View

Dual View

3D

By Detection:

Manual

Automatic

By Component:

Hardware

Software

By End Use:

Transport

Critical Infrastructure

By Technology:

X-ray

Millimeter Wave

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical Year – 2022

Base Year – 2023

Forecast Period – 2024 to 2032

Key Takeaways:

Market estimates and forecasts for 10 years from 2022 to 2032.

Annualized revenue and regional-level analysis for each market segment.

In-depth analysis of the competitive landscape, including key business strategies.

Geographical landscape insights with country-level assessments.

Detailed supply and demand-side market evaluations.

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