

US Explosive Detector Market Size study, by Product Type (Vehicle Mounted, Handheld, Robotics, Others) by Technology (Trace, Bulk) by End User (Military and Defense, Cargo and Transport, Aviation, Public Place, Others) Forecasts 2022-2032

<https://marketpublishers.com/r/U3603B898FE1EN.html>

Date: July 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: U3603B898FE1EN

Abstracts

US Explosive Detector Market is valued at approximately USD 2.18 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 8.64% over the forecast period 2024-2032. Explosive detectors are non-destructive inspection tools that can help in finding explosives and other flammable materials. These detectors are frequently utilized in facilities including government buildings, airports, seaports, and national borders. Preventing terrorism and organized crime requires the critical work of explosives detection at seaports, land borders, and airports. There is a growing demand for portable and handheld explosive detectors, especially in fields such as law enforcement, military, and first responders. Miniaturization allows for greater mobility and flexibility in deployment. In addition, explosive detection systems are increasingly being integrated with other security systems such as surveillance cameras, access control systems, and perimeter security solutions to create a more comprehensive security infrastructure. Thus, these trends further drive demand for the US Explosive Detector Market.

Continuous innovation in detection technologies is a key driver of demand in the US explosive detector market. Advancements in sensor accuracy, artificial intelligence, machine learning, and imaging techniques have significantly enhanced the capability and reliability of explosive detection systems. These cutting-edge technologies enable faster, more precise identification of explosive materials, addressing the evolving security needs of various sectors, including aviation, transportation, and critical infrastructure. The increasing demand for technological advanced detectors is fueled by

the rising sophisticated threats and improved operational efficiency. The integration of innovative solutions such as automated screening systems and portable detectors is increasingly adopted by security agencies, law enforcement, and private organizations to bolster their security measures. This ongoing technological progress meets regulatory standards and also instills greater confidence in security protocols, driving sustained demand and investment in advanced explosive detection systems across the United States. However, compliance with stringent government regulations and standards governing security screening procedures and high cost of explosive detectors pose challenges for explosive detector manufacturers and end-users stifle market growth during the forecast period 2024-2032.

Major market players included in this report are:

Osi Systems, Inc.

Analogic Corporation

L-3 Technologies, Inc

Teledyne Flir LLC

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

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

By Product Type

Vehicle Mounted

Handheld

Robotics

others

By Technology

Trace

Bulk

By End User

Military and Defense

Cargo and Transport

Aviation

Public Place
Others

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

Contents

CHAPTER 1. US EXPLOSIVE DETECTOR MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
 - 1.3.1. Inclusion & Exclusion
 - 1.3.2. Limitations
 - 1.3.3. Supply Side Analysis
 - 1.3.3.1. Availability
 - 1.3.3.2. Infrastructure
 - 1.3.3.3. Regulatory Environment
 - 1.3.3.4. Market Competition
 - 1.3.3.5. Economic Viability (Consumer's Perspective)
 - 1.3.4. Demand Side Analysis
 - 1.3.4.1. Regulatory frameworks
 - 1.3.4.2. Technological Advancements
 - 1.3.4.3. Environmental Considerations
 - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. US Explosive Detector Market Size & Forecast (2022- 2032)
- 2.2. Segmental Summary
 - 2.2.1. By Product Type
 - 2.2.2. By Technology
 - 2.2.3. By End User
- 2.3. Key Trends
- 2.4. Recession Impact
- 2.5. Analyst Recommendation & Conclusion

CHAPTER 3. US EXPLOSIVE DETECTOR MARKET DYNAMICS

- 3.1. Market Drivers

- 3.2. Market Challenges
- 3.3. Market Opportunities

CHAPTER 4. US EXPLOSIVE DETECTOR MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model
 - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
 - 4.2.5. Environmental
 - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. US EXPLOSIVE DETECTOR MARKET SIZE & FORECASTS BY PRODUCT TYPE 2022-2032

- 5.1. Vehicle Mounted
- 5.2. Handheld
- 5.3. Robotics
- 5.4. others

CHAPTER 6. US EXPLOSIVE DETECTOR MARKET SIZE & FORECASTS BY TECHNOLOGY 2022-2032

- 6.1. Trace
- 6.2. Bulk

CHAPTER 7. US EXPLOSIVE DETECTOR MARKET SIZE & FORECASTS BY END USER 2022-2032

- 7.1. Military and Defense
- 7.2. Cargo and Transport
- 7.3. Aviation
- 7.4. Public Place
- 7.5. Others

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. Company
 - 8.1.2. Company
 - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. OSI Systems, Inc
 - 8.3.1.1. Key Information
 - 8.3.1.2. Overview
 - 8.3.1.3. Financial (Subject to Data Availability)
 - 8.3.1.4. Product Summary
 - 8.3.1.5. Market Strategies
 - 8.3.2. Analogic Corporation
 - 8.3.3. L-3 Technologies, Inc
 - 8.3.4. Teledyne FLIR LLC
 - 8.3.5. Company
 - 8.3.6. Company
 - 8.3.7. Company
 - 8.3.8. Company
 - 8.3.9. Company
 - 8.3.10. Company

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process
 - 9.1.1. Data Mining
 - 9.1.2. Analysis

- 9.1.3. Market Estimation
- 9.1.4. Validation
- 9.1.5. Publishing
- 9.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. US Explosive Detector market, report scope

TABLE 2. US Explosive Detector market estimates & forecasts by Product Type
2022-2032 (USD Billion)

TABLE 3. US Explosive Detector market estimates & forecasts by Technology
2022-2032 (USD Billion)

TABLE 4. US Explosive Detector market estimates & forecasts by End User 2022-2032
(USD Billion)

TABLE 5. US Explosive Detector market by segment, estimates & forecasts, 2022-2032
(USD Billion)

TABLE 6. US Explosive Detector market by segment, estimates & forecasts, 2022-2032
(USD Billion)

TABLE 7. US Explosive Detector market by segment, estimates & forecasts, 2022-2032
(USD Billion)

TABLE 8. US Explosive Detector market by segment, estimates & forecasts, 2022-2032
(USD Billion)

TABLE 9. US Explosive Detector market by segment, estimates & forecasts, 2022-2032
(USD Billion)

TABLE 10. U.S. Explosive Detector market estimates & forecasts, 2022-2032 (USD
Billion)

TABLE 11. U.S. Explosive Detector market estimates & forecasts by segment
2022-2032 (USD Billion)

TABLE 12. U.S. Explosive Detector market estimates & forecasts by segment
2022-2032 (USD Billion)

TABLE 13. List of secondary sources, used in the study of US Explosive Detector
Market.

TABLE 14. List of primary sources, used in the study of US Explosive Detector Market.

TABLE 15. Years considered for the study.

TABLE 16. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. US Explosive Detector market, research methodology
- FIG 2. US Explosive Detector market, market estimation techniques
- FIG 3. US market size estimates & forecast methods.
- FIG 4. US Explosive Detector market, key trends 2023
- FIG 5. US Explosive Detector market, growth prospects 2022-2032
- FIG 6. US Explosive Detector market, porters 5 force model
- FIG 7. US Explosive Detector market, pestel analysis
- FIG 8. US Explosive Detector market, value chain analysis
- FIG 9. US Explosive Detector market by segment, 2022 & 2032 (USD Billion)
- FIG 10. US Explosive Detector market by segment, 2022 & 2032 (USD Billion)
- FIG 11. US Explosive Detector market by segment, 2022 & 2032 (USD Billion)
- FIG 12. US Explosive Detector market by segment, 2022 & 2032 (USD Billion)
- FIG 13. US Explosive Detector market by segment, 2022 & 2032 (USD Billion)
- FIG 14. US Explosive Detector market, company market share analysis (2023)

I would like to order

Product name: US Explosive Detector Market Size study, by Product Type (Vehicle Mounted, Handheld, Robotics, Others) by Technology (Trace, Bulk) by End User (Military and Defense, Cargo and Transport, Aviation, Public Place, Others) Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/U3603B898FE1EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/U3603B898FE1EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970