### **Report Information**

More information from: https://www.marketresearchfuture.com/reports/voyage-data-recorder-market-3757

# Voyage Data Recorder (VDR) Market Research Report - Global Forecast till 2030

Report / Search Code: MRFR/A&D/2492-CR Publish Date: July, 2019

Request Sample

Price	1-user PDF : \$ 4950.0	Site PDF: \$ 3250.0	Enterprise PDF: \$ 7250.0
			· ·

#### Description:

### Voyage Data Recorder (VDR) Market Overview

Voyage Data Recorder (VDR) Market Size is expected to reach USD 18.74 billion by 2030, registering a CAGR of 3% during 2020-2030.

The Voyage Data Recorder is a technology that is used in all types of vessels. Today, technological advancements are massive. However, many industries are searching for a storage solution for storing all these valuable data. A marine voyage data recorders is an approach to store data in a single unit. The voyage data recorder is an essential part of many industries. The requirement for this technology is growing higher each day. The voyage data recorders are capable to record digitalize and compress the data.

Also, it can exceptionally store the data. The data stored in the recorder is tamper-proof. Even if the data gets lost it is recoverable in this technology. The ease of recovery through sea vessels is the crucial benefits of the marine voyage data recorder. The key end-users of the voyage data recorder are the marine and aircraft industry. Further, plenty of other industries are gradually adopting the VDR technology. The data recording tool is suitable for both marine and aircraft applications. Due to this, the voyage data recorder market will witness a growth rate of 2.25% approximately in the year 2025. The overall market value is projected as 1874.8 million in 2025. Therefore, during the forecast year, there is going to be high demand and profitability for the Voyage Data Recorder (VDR) Market.

#### **Covid Analysis**

Due to covid 19, several global industries are facing plenty of challenges. The voyage data recorder market is also experiencing some difficulties. The supply and demand chain of the market is affected. The demands from the endusers have temporarily slowed down. Also, due to the global pandemic restrictions, the production of the VDR has reduced significantly. The marine voyage data recorder segment has only some challenges. Marine operations have no restrictions in this situation. Therefore, the VDR market is partially affected by the covid 19.

The post covid 19 trends of the market are promising. The demand and market growth is expected to rise in the forecast year. Also, the production rate will reach the highest rate. It is estimated that the key payers of the market will offer more product variation post-pandemic. The applications and versatility of the market will enhance in the upcoming years.

### Segmentation of the Global Voyage Data Recorder (VDR) Market

### **Crucial market drivers**

VDR is a crucial technology for the marine sector. The voyage data recorder dataset is capable record the navigational movements of the ship. Also, it can record the recent voice and equipment data of the ship. The increasing safety concerns in the marine sector are a crucial driver for the VDR market. The VDR can record any causality or event in the ship. It is a tool that enables ship owners to increase safety standards to prevent causalities. The improved safety standards in the sea ultimately increase the demand for VDR.

The market has plenty of advancements in full and simplified voyage data recorder. It makes it much more valuable to the marine and aircraft industry. The launch of advanced VDR is another crucial driver for this market. The advanced VDR enables plenty of training programs, improves safety, enhances efficiency and saves fuel. These features of the advanced VDR increase the overall market growth. Plenty of governments approve and certify the use of VDR. There is governmental support for this technology. The governmental backing for the technology is another factor that encourages other secretors to use the VDR. The oil-gas and other crucial industries use the VDR. Governmental support is another crucial driver for the Voyage Data Recorder (VDR) Market.

## Market growth opportunities

The voyage data recorder market has plenty of growth opportunities in the forecast year. The use of VDR will rise in the naval sector in 2025. The market players will launch new versions of the VDR suitable for the naval sector. The advancement in the voyage data recorder market will ultimately create more growth opportunities among the endusers. The naval sector will be the important end-user to adapt to this technology. The high-end features of the VDR enable navigational information recording, causalities, events and much more data in these operations. Further, the advanced VDR comes with the feature that can record data in unmanned undersea levels. Even if there is no human intervention the VDR can record the data in vehicles that travel undersea. This technological advancement creates plenty of growth opportunities for the forecast year 2025.

### The market restraints

The voyage data recorder is high-end technology. They are used only for sophisticated operations in the marine and aircraft sector. Also, the voyage data recorder rutter is a main element. The use of high end instruments makes the VDR an expensive system. The initial cost of the technology is a major restraint in the market. The applications of the VDR are cost-intensive. The overall marine and aircraft operations are already cost-intensive. The high price of the

product may have less effect on the market in the forecast year. In some regions, the product cost may have a significant effect on the market demand and growth.

#### The market challenges

Yacht voyage data recorder is a technology that can be developed with more R&D. The R&D investments in the market are less. Due to covid 19, the production and the investments on R&D have decreased in the market. The key players of the market are trying to enhance the R&D post the covid 19. It is a significant challenge for the Voyage Data Recorder (VDR) Market. The lack of R&D can affect the development of the market. Also, the market expansion rate is affected due to less R&D.

### Cumulative growth analysis

The voyage data recorder is a market with exceptional growth opportunities. The market has crucial drivers that will constantly propel the overall growth. The requirement to increase the safety standards in the marine sector is a crucial driver for the market. The demand for the VDR will grow immensely in the forecast period. The market growth looks stable in the forecast period.

However, there are few limitations in the market. In some regions, market growth can be affected due to the initial cost. There is no serious restraint in this market during the forecast period. The technological developments of the market will be massive during the forecast period. Also, the key players of the market are taking plenty of measures to enhance the market during 2025. The positive growth trend will continue in the upcoming years.

### Value chain analysis

The Asia Pacific is the fastest growing voyage data recorder market in the forecast year. The technological development in the VDR Industry is high in the market. This region will dominate the overall market in the forecast period. The voyage data recorder manufacturers will enhance the product in the forecast year. Also, the adoption rate of the technology is immense in the region. The marine, aircraft and plenty of other sectors use the VDR system. The key players in the region are making the product cost-effective in the forecast period. The governmental initiatives are helping the market to increase the R&D in this region. Also, the profitability and the demand will reach the maximum rate in the upcoming years.

#### Market segments

#### By system type

- · Full vovage data recorder
- · Simplified voyage data recorder

#### By product

- · Float voyage data recorder
- · Fixed voyage data recorder

### By application

- Passenger ships
- Naval ships
- · Cargo ships

## Regional Analysis

The yacht voyage data recorder is used in plenty of marine applications. The global voyage data recorder market is fragmented into three important regions. North America, Asia Pacific and Europe are the crucial regions. The Asia Pacific holds the largest VDR share. Also, North America is the powerful VDR market. Technological advancement and profitability are high in the region. Heavy capital investments are the crucial reasons for higher market growth. Also, it is a region that will record the highest demand. Europe has plenty of market growth opportunities. The product variation is high in this region. Also, there are impressive growth opportunities that increase the overall profitability of the market. There is increased competition in Europe due to the entry of new market players. The performance of all these regions looks positive during the forecast period.

### Competitive Landscape

The voyage data recorder is a competitive VDR market. The entry of new market players will fuel the competition. Moreover, new product version and development possibilities are available in 2025. The market player is making new partnerships, expansions measures and product development measures.

### The key players of the voyage data recorder market are.

- Japan radio
- Danalec marine A/S
- Furuno electric
- INTERSCHALT maritime systems
- · HR Smith group
- · Honeywell International

· Teledyne Technologies

#### **Recent Developments**

- The key players of the market are launching high speed and efficient data recorders for aircraft.
- The key players of the market are developing a variety of data recorders. Some of the key players are integrating the five major data recorders into one product.

The key players are taking market expansion procedure in the forecast period. Report Overview

- · Market overview highlights
- · Analysis based upon COVID 19
- · Explanation upon the Market Dynamics
- · Value chain analysis
- · Market segmentation overview
- · The regional analysis
- · Competitive landscape analysis
- Recent Developments

### Table of Content:

### Contents

- 1 Executive Summary
- 1.1. Market Attractiveness Analysis
- 1.1.1. Global Voyage Data Recorder (VDR) Market, By Type
- 1.1.2. Global Voyage Data Recorder (VDR) Market, By Application
- 1.1.3. Global Voyage Data Recorder (VDR) Market, By Region
- 2 Market Introduction
- 2.1. Market Definition
- 2.2. Scope Of The Study
- 2.3. Market Structure
- 2.4. Key Buying Criteria
- 2.5. Market Factor Indicator Analysis
- 3 Research Methodology
- 3.1. Research Process
- 3.2. Primary Research
- 3.3. Secondary Research 3.4. Market Size Estimation
- 3.5. Forecast Model
- 3.6. List Of Assumptions
- 4 Market Insights

### 5 Market Dynamics

- 5.1. Introduction
- 5.2. Drivers
- 5.3. Restraints
- 5.4. Opportunities 5.5. Challenges
- 5.6. Market/Technological Trends
- 5.7. Patent Trends
- 5.8. Regulatory Landscape/Standards
- 6 Market Factor Analysis
- 6.1. Value Chain/Supply Chain Analysis
- 6.1.1. R&D
- 6.1.2. Manufacturing
- 6.1.3. Distribution & Sales
- 6.1.4. Post-Sales Monitoring
- 6.2. Porter's Five Forces Analysis 6.2.1. Threat Of New Entrants
- 6.2.2. Bargaining Power Of Buyers6.2.3. Threat Of Substitutes
- 6.2.4. Rivalry
- 6.2.5. Bargaining Power Of Supplies
- 7 Global Voyage Data Recorder (VDR) Market, By Type
- 7.1. Introduction
- 7.2. General Voyage Data Recorder
- 7.2.1. Market Estimates & Forecast, 2020-2030
- 7.2.2. Market Estimates & Forecast, By Region, 2020-2030
- 7.3. Simplified Voyage Data Recorder
- 7.3.1. Market Estimates & Forecast, 2020-2030
- 7.3.2. Market Estimates & Forecast, By Region, 2020-2030
- 8 Global Voyage Data Recorder (VDR) Market, By Application
- 8.1. Introduction
- 8.2. Cargo Ship
- 8.2.1. Market Estimates & Forecast, 2020-2030
- 8.2.2. Market Estimates & Forecast, By Region, 2020-2030
- 8.3. Naval Ship
- 8.3.1. Market Estimates & Forecast, 2020-2030

```
8.3.2. Market Estimates & Forecast, By Region, 2020-2030
8.4. Passenger Ship
8.4.1. Market Estimates & Forecast, 2020-2030
8.4.2. Market Estimates & Forecast, By Region, 2020-2030
9 Global Voyage Data Recorder (VDR) Market, By Region
9.1. Introduction
9.2. North America
9.2.1. Market Estimates & Forecast, By Country, 2020-2030
9.2.2. Market Estimates & Forecast, By Type, 2020-2030
9.2.3. Market Estimates & Forecast, By Application, 2020-2030
9.2.4. US
9.2.4.1. Market Estimates & Forecast, By Type, 2020-2030
9.2.4.2. Market Estimates & Forecast, By Application, 2020-2030
9.2.5. Canada
9.2.5.1. Market Estimates & Forecast, By Type, 2020-2030
9.2.5.2. Market Estimates & Forecast, By Application, 2020-2030
9.3. Europe
9.3.1. Market Estimates & Forecast, By Country, 2020-2030
9.3.2. Market Estimates & Forecast, By Type, 2020-2030
9.3.3. Market Estimates & Forecast, By Application, 2020-2030
9.3.4. UK
9.3.4.1. Market Estimates & Forecast, By Type, 2020-2030
9.3.4.2. Market Estimates & Forecast, By Application, 2020-2030
9.3.5. Germany
9.3.5.1. Market Estimates & Forecast, By Type, 2020-2030
9.3.5.2. Market Estimates & Forecast, By Application, 2020-2030
9.3.6. France
9.3.6.1. Market Estimates & Forecast, By Material, 2020-2030
9.3.6.2. Market Estimates & Forecast, By Application, 2020-2030
9.3.7.1. Market Estimates & Forecast, By Type, 2020-2030
9.3.7.2. Market Estimates & Forecast, By Application, 2020-2030
9.3.8. Norway
9.3.8.1. Market Estimates & Forecast, By Type, 2020-2030
9.3.8.2. Market Estimates & Forecast, By Application, 2020-2030
9.3.9. Sweden
9.3.9.1. Market Estimates & Forecast, By Type, 2020-2030
9.3.9.2. Market Estimates & Forecast, By Application, 2020-2030
9.3.10. Finland
9.3.10.1. Market Estimates & Forecast, By Type, 2020-2030
9.3.10.2. Market Estimates & Forecast, By Application, 2020-2030
9.3.11. Rest Of Europe
9.3.11.1. Market Estimates & Forecast, By Type, 2020-2030
9.3.11.2. Market Estimates & Forecast, By Application, 2020-2030
9.4. Asia-Pacific
9.4.1. Market Estimates & Forecast, By Country, 2020-2030
9.4.2. Market Estimates & Forecast, By Type, 2020-2030
9.4.3. Market Estimates & Forecast, By Application, 2020-2030
9.4.4. China
9.4.4.1. Market Estimates & Forecast, By Type, 2020-2030
9.4.4.2. Market Estimates & Forecast, By Application, 2020-2030
9.4.5. Japan
9.4.5.1. Market Estimates & Forecast, By Type, 2020-2030
9.4.5.2. Market Estimates & Forecast, By Application, 2020-2030
9.4.6. India
9.4.6.1. Market Estimates & Forecast, By Type, 2020-2030
9.4.6.2. Market Estimates & Forecast, By Application, 2020-2030
9.4.7. Rest Of Asia-Pacific
9.4.7.1. Market Estimates & Forecast, By Type, 2020-2030
9.4.7.2. Market Estimates & Forecast, By Application, 2020-2030
9.5. Middle East & Africa
9.5.1. Market Estimates & Forecast, By Country, 2020-2030
9.5.2. Market Estimates & Forecast, By Type, 2020-2030
9.5.3. Market Estimates & Forecast, By Application, 2020-2030
9.5.4. UAE
9.5.4.1. Market Estimates & Forecast, By Type, 2020-2030
9.5.4.2. Market Estimates & Forecast, By Application, 2020-2030
9.5.5. Saudi Arabia
9.5.5.1. Market Estimates & Forecast, By Type, 2020-2030
9.5.5.2. Market Estimates & Forecast, By Application, 2020-2030
9.5.6. Israel
9.5.6.1. Market Estimates & Forecast, By Type, 2020-2030
9.5.6.2. Market Estimates & Forecast, By Application, 2020-2030
9.5.7. Rest Of The Middle East & Africa
9.5.7.1. Market Estimates & Forecast, By Type, 2020-2030
9.5.7.2. Market Estimates & Forecast, By Application, 2020-2030
9.6. Latin America
9.6.1. Market Estimates & Forecast, By Country, 2020-2030
9.6.2. Market Estimates & Forecast, By Type, 2020-2030
9.6.3. Market Estimates & Forecast, By Application, 2020-2030
9.6.4. Brazil
9.6.4.1. Market Estimates & Forecast, By Type, 2020-2030
9.6.4.2. Market Estimates & Forecast, By Application, 2020-2030
9.6.5. Rest Of Latin America
9.6.5.1. Market Estimates & Forecast, By Type, 2020-2030
9.6.5.2. Market Estimates & Forecast, By Application, 2020-2030
10 Competitive Landscape
10.1. Competitive Overview
10.2. Competitor Dashboard
10.3. Major Growth Strategies In The Global Voyage Data Recorder (VDR) Market
10.4. Competitive Benchmarking
```

10.5. Market Share Analysis
10.6. Danelec Marine A/S: The Leading Player In Terms Of Number Of Developments In The Global Voyage Data

```
Recorder (VDR) Market
10.7. Key Developments & Growth Strategies
10.7.1. Product Launches/Service Deployments
10.7.2. Mergers & Acquisitions
10.7.3. Joint Ventures
11 Company Profiles
11.1. Beijing Highlander Digital Technology Co., Ltd
11.1.1. Company Overview
11.1.2. Products/Services Offered
11.1.3. Financial Overview
11.1.4. Key Developments
11.1.5. SWOT Analysis
11.1.6. Key Strategies
11.2. CARGOTEC CORPORATION
11.2.1. Company Overview
11.2.2. Products/Services Offered
11.2.3. Financial Overview
11.2.4. Key Developments
11.2.5. SWOT Analysis
11.2.6. Key Strategies
11.3. Consilium AB
11.3.1. Company Overview
11.3.2. Products/Services Offered
11.3.3. Financial Overview
11.3.4. Key Developments
11.3.5. SWOT Analysis
11.3.6. Key Strategies
11.4. Danelec Marine A/S
11.4.1. Company Overview
11.4.2. Products/Services Offered
11.4.3. Financial Overview
11.4.4. Key Developments
11.4.5. SWOT Analysis
11.4.6. Key Strategies
11.5. FURUNO ELECTRIC CO., LTD
11.5.1. Company Overview
11.5.2. Products/Services Offered
11.5.3. Financial Overview
11.5.4. Key Developments
11.5.5. SWOT Analysis
11.5.6. Key Strategies
11.6. Japan Radio Co., Ltd
11.6.1. Company Overview
11.6.2. Products/Services Offered
11.6.3. Financial Overview
11.6.4. Key Developments
11.6.5. SWOT Analysis
11.6.6. Key Strategies
11.7. Northrop Grumman Sperry Marine BV
11.7.1. Company Overview
11.7.2. Products/Services Offered
11.7.3. Financial Overview
11.7.4. Key Developments
11.7.5. SWOT Analysis
11.7.6. Key Strategies
11.8. Orolia Maritime
11.8.1. Company Overview
11.8.2. Products/Services Offered
11.8.3. Financial Overview
11.8.4. Key Developments
11.8.5. SWOT Analysis
11.8.6. Key Strategies
11.9. Totem Plus Ltd
11.9.1. Company Overview
11.9.2. Products/Services Offered
11.9.3. Financial Overview
11.9.4. Key Developments
11.9.5. SWOT Analysis
11.9.6. Key Strategies
11.10. Wärtsilä
11.10.1. Company Overview
11.10.2. Products/Services Offered
11.10.3. Financial Overview
11.10.4. Key Developments
11.10.5. SWOT Analysis
11.10.6. Key Strategies
12 Appendix
12.1. References
12.2. Related Reports
12.3. List Of Abbreviations
13 Industry Insights
14 List Of Tables
Table 1 Global Voyage Data Recorder (VDR) Market, By Region, 2020-2030
Table 2 North America: Voyage Data Recorder (VDR) Market, By Country, 2020-2030
Table 3 Europe: Voyage Data Recorder (VDR) Market, By Country, 2020-2030
Table 4 Asia-Pacific: Voyage Data Recorder (VDR) Market, By Country, 2020-2030
Table 5 Middle East & Africa: Voyage Data Recorder (VDR) Market, By Country, 2020-2030
Table 6 Latin America: Voyage Data Recorder (VDR) Market, By Country, 2020-2030
```

Table 7 Global Voyage Data Recorder (VDR) Market Size, By Region, 2020-2030 Table 8 North America: Voyage Data Recorder (VDR) Market Size, By Country, 2020-2030 Table 9 Europe: Voyage Data Recorder (VDR) Market Size, By Country, 2020-2030

Table 10 Asia-Pacific: Voyage Data Recorder (VDR) Market Size, By Country, 2020-2030

```
Table 11 Middle East & Africa: Voyage Data Recorder (VDR) Market Size, By Country, 2020-2030
Table 12 Latin America: Voyage Data Recorder (VDR) Market Size, By Country, 2020-2030
Table 13 Global Voyage Data Recorder (VDR) Type Market, By Region, 2020-2030
Table 14 North America: Voyage Data Recorder (VDR) Type Market, By Country, 2020-2030
Table 15 Europe: Voyage Data Recorder (VDR) Type Market, By Country, 2020-2030
Table 16 Asia-Pacific: Voyage Data Recorder (VDR) Type Market, By Country, 2020-2030
Table 17 Middle East & Africa: Voyage Data Recorder (VDR) Type Market, By Country, 2020-2030
Table 18 Latin America: Voyage Data Recorder (VDR) Type Market, By Country, 2020-2030
Table 19 Global Voyage Data Recorder (VDR) Application Market, By Region, 2020-2030
Table 20 North America: Voyage Data Recorder (VDR) Application Market, By Country, 2020-2030
Table 21 Europe: Voyage Data Recorder (VDR) Application Market, By Country, 2020-2030
Table 22 Asia-Pacific: Voyage Data Recorder (VDR) Application Market, By Country, 2020-2030
Table 23 Middle East & Africa: Voyage Data Recorder (VDR) Application Market, By Country, 2020-2030
Table 24 Latin America: Voyage Data Recorder (VDR) Application Market, By Country, 2020-2030
Table 25 Global Voyage Data Recorder (VDR) Market, By Region, 2020-2030
Table 26 Global Voyage Data Recorder (VDR) Market, By Type, 2020-2030
Table 27 Global Voyage Data Recorder (VDR) Market, By Application, 2020-2030
Table 28 North America: Voyage Data Recorder (VDR) Market, By Country, 2020-2030
Table 29 North America: Voyage Data Recorder (VDR) Market, By Type, 2020-2030
Table 30 North America: Voyage Data Recorder (VDR) Market, By Application, 2020-2030
Table 31 Europe: Voyage Data Recorder (VDR) Market, By Country, 2020-2030
Table 32 Europe: Voyage Data Recorder (VDR) Market, By Type, 2020-2030
Table 33 Europe: Voyage Data Recorder (VDR) Market, By Application, 2020-2030
Table 34 Asia-Pacific: Voyage Data Recorder (VDR) Market, By Country, 2020-2030
Table 35 Asia-Pacific: Voyage Data Recorder (VDR) Market, By Type, 2020-2030
Table 36 Asia-Pacific: Voyage Data Recorder (VDR) Market, By Application, 2020-2030
Table 37 Middle East & Africa: Voyage Data Recorder (VDR) Market, By Country, 2020-2030
Table 38 Middle East & Africa: Voyage Data Recorder (VDR) Market, By Type, 2020-2030
Table 39 Middle East & Africa: Voyage Data Recorder (VDR) Market, By Application, 2020-2030
Table 40 Latin America: Voyage Data Recorder (VDR) Market, By Country, 2020-2030
Table 41 Latin America: Voyage Data Recorder (VDR) Market, By Type, 2020-2030
Table 42 Latin America: Voyage Data Recorder (VDR) Market, By Application, 2020-2030
15 List Of Figures
FIGURE 1 Research Process Of MRFR
FIGURE 2 Top-Down & Bottom-Up Approaches
FIGURE 3 Market Dynamics
FIGURE 4 Impact Analysis: Market Drivers
FIGURE 5 Impact Analysis: Market Restraints
FIGURE 6 Porter's Five Forces Analysis
FIGURE 7 Value Chain Analysis
FIGURE 8 Global Voyage Data Recorder (VDR) Market Share, By Type, 2020 (%)
FIGURE 9 Global Voyage Data Recorder (VDR) Market, By Type, 2020-2030(USD Million)
FIGURE 10 Global Voyage Data Recorder (VDR) Market Share, By Application, 2020 (%)
FIGURE 11 Global Voyage Data Recorder (VDR) Market, By Application, 2020-2030(USD Million)
FIGURE 12 Global Voyage Data Recorder (VDR) Market Share (%), By Region, 2020
FIGURE 13 Global Voyage Data Recorder (VDR) Market, By Region, 2020-2030(USD Million)
FIGURE 14 North America: Voyage Data Recorder (VDR) Market Share (%), 2020
FIGURE 15 North America: Voyage Data Recorder (VDR) Market, By Country, 2020-2030(USD Million)
FIGURE 16 Europe: Voyage Data Recorder (VDR) Market Share (%), 2020
FIGURE 17 Europe: Voyage Data Recorder (VDR) Market, By Country, 2020-2030(USD Million)
FIGURE 18 Asia-Pacific: Voyage Data Recorder (VDR) Market Share (%), 2020
FIGURE 19 Asia-Pacific: Voyage Data Recorder (VDR) Market, By Country, 2020-2030(USD Million)
FIGURE 20 Middle East & Africa: Voyage Data Recorder (VDR) Market Share (%), 2020
FIGURE 21 Middle East & Africa: Voyage Data Recorder (VDR) Market, By Country, 2020-2030(USD Million)
FIGURE 22 Latin America: Voyage Data Recorder (VDR) Market Share (%), 2020
```

FIGURE 23 Latin America: Voyage Data Recorder (VDR) Market, By Country, 2020-2030(USD Million)