

2018-2023 Global Cockpit Voice and Flight Data Recorder Consumption Market Report

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Abstracts

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In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Cockpit Voice and Flight Data Recorder market for 2018-2023.

Cockpit voice recorders (CVRs) and flight data recorder (FDRs) are devices that are installed in aircraft to record the environment in the flight deck for investigation of accidents and incidents. FDR preserves the recent history of a flight by recording multiple parameters, which are collected several times per second. CVR is used to record the recent history of the sounds in the cockpit, including the conversation of pilots.

The market is driven by various end-user industries, such as helicopters, airliners, executive jets, and military combat and fast jets.

The industry is concentration, the key brand include Honeywell International, L3 Technologies, Curtiss-Wright, RUAG, Leonardo DRS, Safran, GE Aviation, UASC and so on. Among them, Honeywell International, L3 Technologies and Curtiss-Wright are the leaders. The leading companies own the advantages on better performance, more abundant product's types, better technical and impeccable after-sales service.

Consequently, they take the majority of the market share of high-end market.

The CVR records the flight crew's voices, as well as other sounds inside the cockpit.

The recorder's "cockpit area microphone" is usually located on the overhead instrument panel between the two pilots. Sounds of interest to an investigator could be engine noise, stall warnings, landing gear extension and retraction, and other clicks and pops.

FDRs are required (by the FAA) to track 88 different parameters including information such as pilot flight control inputs, engine settings, airspeed and more. Most of the data

captured by FDRs though is usually only accessed or reviewed when something extreme happens, such as an accident. On most modern aircraft, other data acquisition technology, such as health usage monitoring systems (HUMS) and central maintenance computers are tasked with monitoring the health, performance and faults of airframe components and systems.

Both the Flight Data Recorder and the Cockpit Voice Recorder have proven to be valuable tools in the accident investigation process. They can provide information that may be difficult or impossible to obtain by other means. When used in conjunction with other information gained in the investigation, the recorders are playing an ever increasing role in determining the Probable Cause of an aircraft accident.

Significant and lasting barriers make entry into this market difficult. These barriers include, but are not limited to: (i) product development costs; (ii) capital requirements; (iii) intellectual property rights; (iv) regulatory requirement; and (v) Transitions' unfair methods of competition.

Despite the presence of competition problems, due to the global recovery trend is clear, investors are still optimistic about this area, the future will still have more new investment enter the field. Even so, the market is intensely competitive. The study group recommends the new entrants just having money but without technical advantage and upstream and downstream support do not to enter into this field.

Over the next five years, LPI(LP Information) projects that Cockpit Voice and Flight Data Recorder will register a 3.2% CAGR in terms of revenue, reach US\$ 290 million by 2023, from US\$ 240 million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Cockpit Voice and Flight Data Recorder market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Flight Data Recorder (FDR)

Cockpit Voice Recorder (CVR)

Combined Voice and Flight Data Recorder (CVFDR)

Segmentation by application:

Military Application

Civil Application

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

Honeywell International

L3 Technologies

Curtiss-Wright

RUAG

Leonardo DRS

Safran

GE Aviation

UASC

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global Cockpit Voice and Flight Data Recorder consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Cockpit Voice and Flight Data Recorder market by identifying its various subsegments.

Focuses on the key global Cockpit Voice and Flight Data Recorder manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Cockpit Voice and Flight Data Recorder with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Cockpit Voice and Flight Data Recorder submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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