

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Cockpit Voice and Flight Data Recorder Market 2018, Forecast to 2023

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Abstracts

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.

SCOPE OF THE REPORT:

This report focuses on the Cockpit Voice and Flight Data Recorder in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

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.

The worldwide market for Cockpit Voice and Flight Data Recorder is expected to grow at a CAGR of roughly 3.2% over the next five years, will reach 290 million US\$ in 2023, from 240 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Honeywell International

L3 Technologies

Curtiss-Wright

RUAG

Leonardo DRS

Safran

GE Aviation

UASC

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Flight Data Recorder (FDR)

Cockpit Voice Recorder (CVR)

Combined Voice and Flight Data Recorder (CVFDR)

Market Segment by Applications, can be divided into

Military Application

Civil Application

There are 15 Chapters to deeply display the global Cockpit Voice and Flight Data Recorder market.

Chapter 1, to describe Cockpit Voice and Flight Data Recorder Introduction, product

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scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Cockpit Voice and Flight Data Recorder, with sales, revenue, and price of Cockpit Voice and Flight Data Recorder, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Cockpit Voice and Flight Data Recorder, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Cockpit Voice and Flight Data Recorder market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Cockpit Voice and Flight Data Recorder sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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