

# Global Cockpit Voice and Data Recorders (Black Box) Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GC7A153345C0EN.html>

Date: September 2023

Pages: 103

Price: US\$ 4,480.00 (Single User License)

ID: GC7A153345C0EN

## Abstracts

The global Cockpit Voice and Data Recorders (Black Box) market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Cockpit Voice Recorder (CVR) and Flight Data Recorder (FDR), commonly referred to as the 'black box,' are critical components of an aircraft's safety systems. They play a crucial role in investigating aviation accidents and incidents, providing valuable data that helps investigators understand the sequence of events leading up to an incident or accident.

### Cockpit Voice Recorder (CVR):

The Cockpit Voice Recorder is a device installed in the cockpit of an aircraft that records all audio communication between the flight crew (pilots and other crew members) and air traffic control, as well as any other sounds or conversations that occur in the cockpit during flight. The purpose of the CVR is to capture verbal exchanges, radio transmissions, alarms, engine noises, and other relevant audio information. This recorded audio helps investigators reconstruct conversations, decisions, and actions taken by the flight crew before and during an incident or accident. Typically, the CVR retains the last two hours of audio recordings.

### Flight Data Recorder (FDR):

The Flight Data Recorder is another component of the 'black box' system. It records a wide range of flight parameters and technical data from the aircraft's systems. This data includes information such as altitude, airspeed, heading, vertical acceleration, control

surface positions, engine performance, and various other sensor readings. The FDR provides a comprehensive overview of how the aircraft was operating and how it responded to pilot inputs or external factors. This data is critical for understanding the aircraft's behavior and performance leading up to an incident or accident.

Both the CVR and FDR are designed to withstand extreme conditions, including high impact forces, fire, and water immersion. They are typically housed in strong, impact-resistant casings to enhance their survivability. In the event of an accident, these devices can greatly assist aviation authorities and investigators in determining the causes and contributing factors of the incident, which in turn can lead to improved safety measures and procedures in aviation.

This report studies the global Cockpit Voice and Data Recorders (Black Box) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Cockpit Voice and Data Recorders (Black Box), and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Cockpit Voice and Data Recorders (Black Box) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Cockpit Voice and Data Recorders (Black Box) total production and demand, 2018-2029, (K Units)

Global Cockpit Voice and Data Recorders (Black Box) total production value, 2018-2029, (USD Million)

Global Cockpit Voice and Data Recorders (Black Box) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Cockpit Voice and Data Recorders (Black Box) consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Cockpit Voice and Data Recorders (Black Box) domestic production, consumption, key domestic manufacturers and share

Global Cockpit Voice and Data Recorders (Black Box) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Cockpit Voice and Data Recorders (Black Box) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Cockpit Voice and Data Recorders (Black Box) production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Cockpit Voice and Data Recorders (Black Box) market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include L3Harris Technologies, Honeywell Aerospace, Leonardo, Universal Avionics, Teledyne Controls, Curtiss-Wright Corporation, Safran Group and GE Aviation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Cockpit Voice and Data Recorders (Black Box) market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Cockpit Voice and Data Recorders (Black Box) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Cockpit Voice and Data Recorders (Black Box) Market, Segmentation by Type

CVR

FDR

CVFDR

## Global Cockpit Voice and Data Recorders (Black Box) Market, Segmentation by Application

Military Use

Civil Use

## Companies Profiled:

L3Harris Technologies

Honeywell Aerospace

Leonardo

Universal Avionics

Teledyne Controls

Curtiss-Wright Corporation

Safran Group

GE Aviation

### Key Questions Answered

1. How big is the global Cockpit Voice and Data Recorders (Black Box) market?
2. What is the demand of the global Cockpit Voice and Data Recorders (Black Box) market?
3. What is the year over year growth of the global Cockpit Voice and Data Recorders (Black Box) market?
4. What is the production and production value of the global Cockpit Voice and Data Recorders (Black Box) market?
5. Who are the key producers in the global Cockpit Voice and Data Recorders (Black Box) market?
6. What are the growth factors driving the market demand?

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