TYPICAL CONFIGURATION

Optional Sources
- AHRS
- Integrated Gyrometers & Accelerometers
- P/S System Input
- Inertial Referencial Unit

Recording
iaero

APIBOX
ADRS/CARS ED-155

SD — Removable SD Card

Video

Acquisition
iaero

APIBOX
FDAU

Sources

Parameter Display

Satellite Comm.
GSM Comm.
Specific Interfaces

Audio Sources

FADEC — FADEC

Pistons /Turbines

GPS

Aircraft Systems
Instruments
Avionics Bus

WiFi — WiFi Antenna

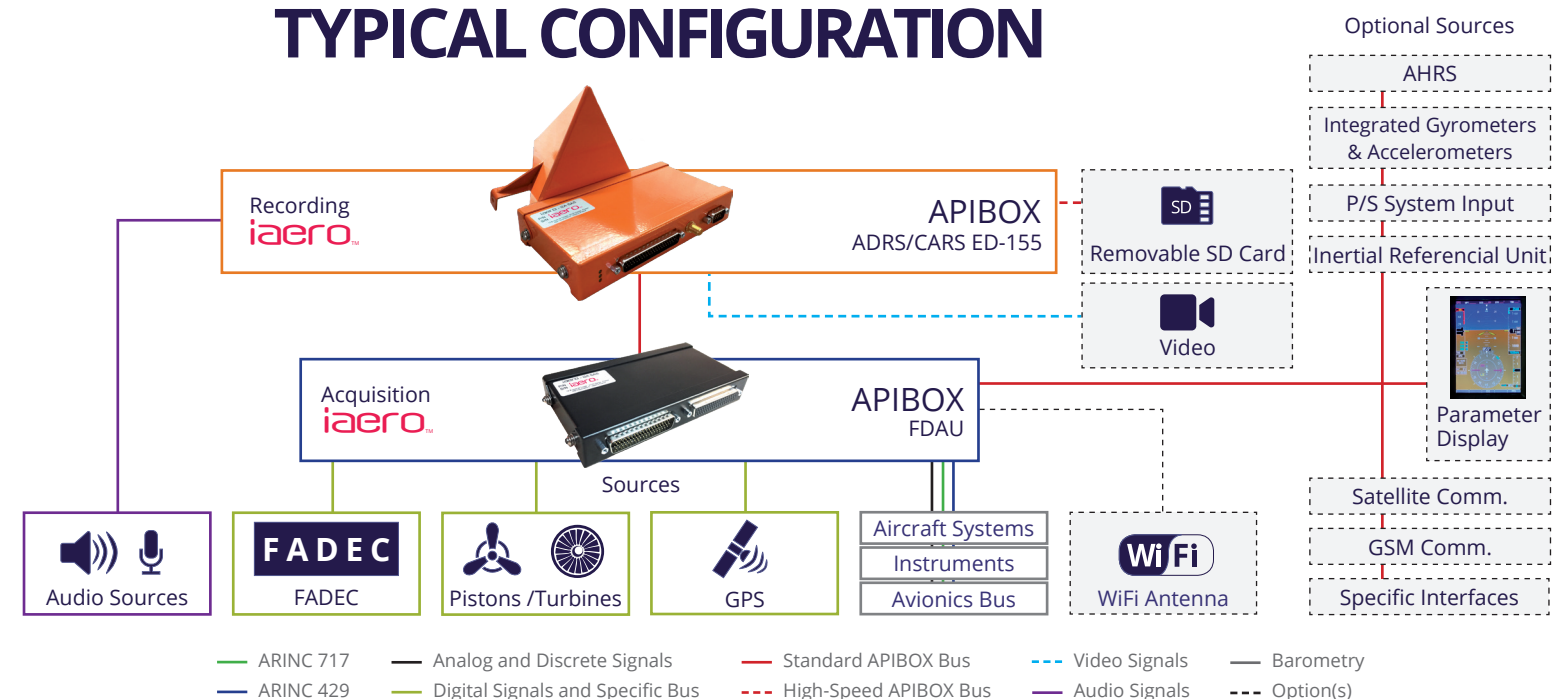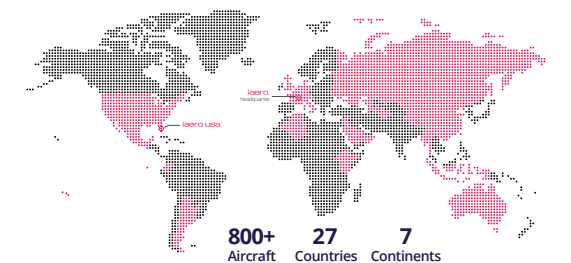|		
— ARINC 717	— Analog and Discrete Signals	— Standard APIBOX Bus	— Barometry
— ARINC 429	— Digital Signals and Specific Bus	--- High-Speed APIBOX Bus	— Audio Signals	--- Option(s)
		--- Video Signals		

KEY ADVANTAGES

- Solid-state digital **Flight Data Monitoring System** - FDMS
- Designed for **general**, **corporate and military aviation**
- **High amount** of recorded flight hours (approx. 1000 hrs)
- **Large capacity** of recording (100+ flight parameters)
- **Crash** and **fire resistant – ED155 regulations**

- **Hot-bus connection** to avoid manipulation
- Wireless data transfer via **iTX** (Iridium/GSM)
- Recording of **audio and video** signals
- **Small size** and **light weight** (approx. 2,2 kg)
- **Cost effective**

800+ Aircraft   **27** Countries   **7** Continents

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Data and information contained in this document is subject to change without prior notice.

FLIGHT DATA MONITORING
+ VOICE

- TREND MONITORING
- DEBRIEFING APP
- AIRCRAFT DATA RECORDING
- AIRCRAFT DATA RECORDING
- ACCIDENT/INCIDENT ANALYSIS
- FLIGHT TESTING

APIBOX by iaero

Total Installations
800+ Aircraft   **27** Countries   **7** Continents

Designed for Rotary Aircraft

Designed for Fixed Wing Aircraft

Crash and Fire Resistant **[ED155]**

Cockpit Audio/Video Recording System

Maintenance Cost Reduction

Light & Compact Solid State

MINOR CHANGE MAJOR BENEFITS

APIBOX by *iaero*™

FLIGHT DATA MONITORING

The APIBOX is a solid state Flight Data Monitoring System and Cockpit Audio/Aircraft Data Recording System designed to address the needs of General, Business and Military Aviation.

DATA INTEGRITY

Non-interference & non-intrusive data acquisition method, with the possibility to connect directly to existing aircraft sensors and systems without interfering with their integrity.

SMOOTH INSTALLATION

APIBOX installations are based on Minor Change Approval Procedures.

EASA Production Organization

POA FR.21G.0218

EASA Alternative Design Organisation

AP DOA 337

EASA Maintenance Approval PART 145

FR.145.646

FEATURES OVERVIEW

◪ LARGE DATA CAPACITY

The system may provide you a large panel of information. Thanks to its very large memory capacity it can record over 100 parameters.

⚡ CRASH AND FIRE RESISTANT [ED155]

Thanks to its resistance to extreme conditions and its automatic build in alarm reporting, the APIBOX system is an invaluable troubleshooting tool. Build based on crash and fire regulations ED-155.

APIBOX by *iaero*™

☀ USER-FRIENDLY

Data are easily downloaded so you can instantly replay your flight on your computer.

✈ ROTARY AND FIXED WING AIRCRAFT

Thanks to its lightness and modularity, the APIBOX system may be installed on many aircraft models.

MAINTENANCE COST REDUCTION

Operational advantages with maintenance trend monitoring and failure analysis.

RECORD CAPABILITIES

Analog Cockpit/Modern Glass Cockpit
audio and video recording and others

Airframe Data
3 axis acceleration • LDG • controls • airspeed altitude • attitude and others

GPS Data – Trajectory
latitude • longitude • altitude • GS • track and others

Piston and Turbine Engines
engine data recording • trend monitoring and others

More **than 100 different parameters** and more than **1000 flight hours** can be recorded.

DEBRIEFING SOFTWARE

iaero. App

Flight data management software with video synchronisation and live data monitoring capabilities

IMPROVING PILOT SKILLS

REDUCING MAINTENANCE COSTS