

# FLIGHT DATA MONITORING

+VOICE

APIBOX by iaero

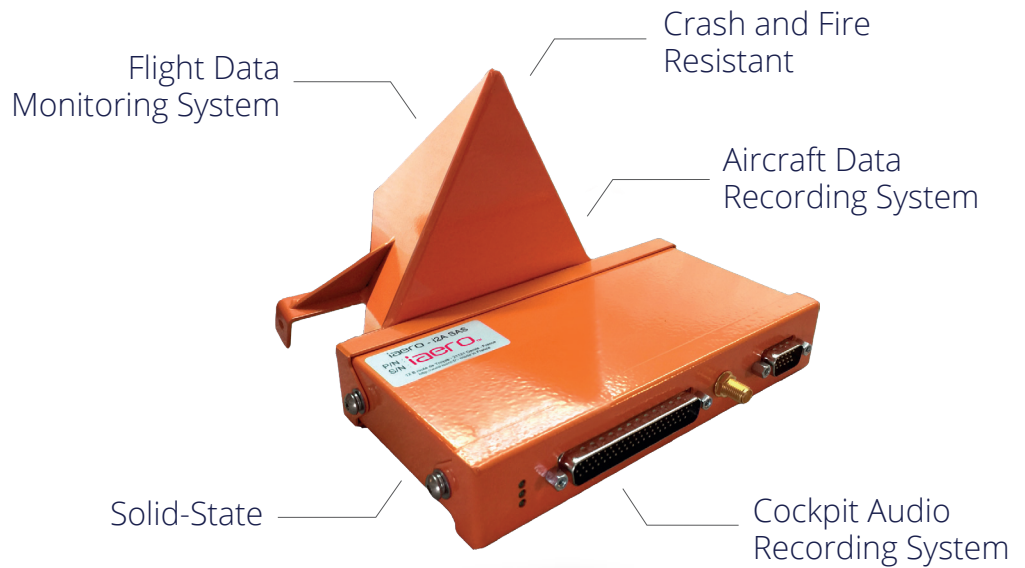
FLIGHT TESTING

DEBRIEFING APP

TREND MONITORING

AIRCRAFT DATA RECORDING

AIRCRAFT AUDIO RECORDING



## MAIN ADVANTAGES

- solid-state digital Flight Data Monitoring System (FDMS)
- designed for general, corporate and military aviation
- high amount of recorded flight hours ( $\approx$  1,000 hours)
- large capacity of recording (100+ flight parameters)
- crash and fire resistant – ED155 regulations
- hot-bus connection to avoid manipulation
- recording of audio and video signals
- wireless data transfer via iTX (Iridium/GSM)
- small size and light weight ( $\approx$  2.2 kg)
- cost effective

iaero App - Debriefing Software  
Flight Data Management Software

EASA Production Organization

POA FR.21G.0218

EASA Alternative Design Organisation

AP DOA 337

EASA Maintenance Approval PART 145

FR.145.646

EASA approved

CAT.POL.H.305

Exceeds FAA Rule

\$135.607

iaero  
USA Inc.

100 Aerospace Drive Unit 4  
Melbourne, FL. 32901, USA

iaero  
i2A SAS

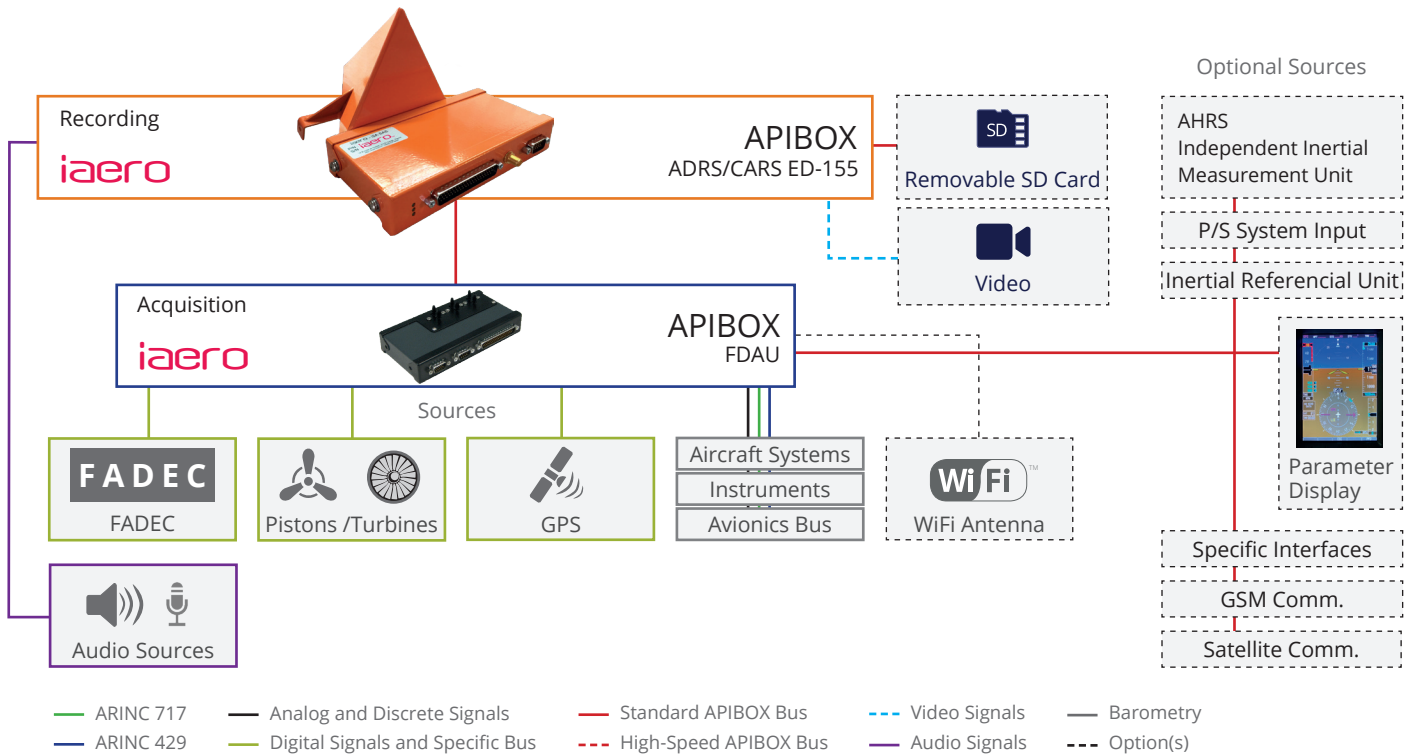
12b route de Troyes  
21121 Darois – France

Phone +33 380 736 026  
Fax +33 380 356 409

RCS DIJON 439 651 621  
info@iaero.fr • www.iaero.fr

# TYPICAL CONFIGURATION

**APIBOX** by **iaero**



## WEIGHT

Weight installed | less than 3kg

## POWER

Consumption	10W max
Voltage	14V or 28V
Operation	Automatic power off when no-flight conditions

## RECORDING

Data recording	1,000+ hours
Sample Rate	8hz (standard mode)
Data Parameters	over 100 different
Audio recording	100 hours
Harden memory	Crash and Fire resistant
Data download	SD Card

## ENVIRONMENTAL

Load factors | +/- 14g

Temperature and Altitude | Operating -15°C to +70°C  
 Non-operating -45°C to +85°C  
 -1,000 ft to +25,000 ft  
 DO-160D section 4 Category A2

Operational shocks and crash safety | DO-160D section 7 Category E

Vibration | DO-160D section 8 Category S  
 SPX-902 (helicopter requirement)

Static Crash | 5,000 lb

Fire protection | 50,000 BTU/ft<sup>2</sup>/hr for 15 min at 1,100°C (ED-155)

**APIBOX** by **iaero**

  
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