FRT

Flight Recorder and Tracking

Made In Indonesia

A multipurpose avionic instrument that functions as CVR (Cockpit Voice Recorder), FDR (Flight Data Recorder), DVR (Digital Video Recorder) and FTC (Flight Tracking).

FRT has passed airworthiness certification by IDAA (Indonesian Defence Airworthiness Authority) of Ministry of Defence of the Republic of Indonesia.

FEATURES:

1. CVR (Cockpit Voice Recorder)
To record pilot voice conversation in cockpit and with the ATC officer.

2. FDR (Flight Data Recorder)
To record all flight data including altitude, airspeed, vertical speed, yaw, pitch, roll, engine's rpm and rotor's rpm.

3. DVR (Digital Video Recorder)
To record video data from camera system that records visualization of flight movement and flight indicator as well.

4. FTC (Flight Tracking)
Feature that monitors flight movement and maneuvering that shows position, heading, pitch, roll, altitude, airspeed, vertical speed, engine's rpm (NF) and rotor's rpm (NR).

ADVANTAGES:

1. A post flight debrief / evaluation tool for instructor and student pilot.
2. Tool that could play as an important role in investigating of aircraft incident or accidents.
3. Live monitoring aircraft position and movement.

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SPECIFICATIONS

AIRBORNE STATION		
Physical Data		
Length	:	290 mm
Width	:	141.80 mm
Height	:	125.50 mm
Weight	:	5.56 kg
Recording Duration		
Recording Duration	:	11 Hours
Audio Input		
Input Voltage	:	1 VRMS nominal
Input Impedance	:	35k ohms
Data Input		
Data	:	Digital (RPM Engine)
Communication	:	RS-232
Video Input		
Analog Input	:	Composite
Levels	:	1.0V p-p, 75 ohms
Standards	:	PAL/NTSC
Radio Data		
Band Frequency	:	400-480 MHz, 804-845 MHZ
Operational Mode	:	Half Duplex
Data Interface	:	RS-232
Power Transmitter	:	25 Watt
Range	:	50 km Los
Power		
Power Supply	:	28 VDC
Power Consumption	:	40 Watt (Max)
GROUND STATION		
Notebook		
OS	:	Windows 10
Processor	:	Intel i7
RAM	:	8 GB
Software CDR		
Video Audio Playback	:	Propietary Format
Attitude Playback	:	Yaw, Pitch, Roll
Position Playback	:	Latitude, Longitude, Heading
Software Tracking		
Track Symbology	:	Custom Symbol
Map Viewer	:	Open Street Map Viewer
Track Information	:	Position, Heading, Altitude, Airspeed, Vertical Speed, NR/NF
Radio Data		
Band Frequency	:	400-480 MHz, 804-845 MHZ
Operational Mode	:	Half Duplex
Data Interface	:	RS-232
Power Transmitter	:	25 Watt
Range	:	50 km Los
Power		
Power Supply	:	12V/5A

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