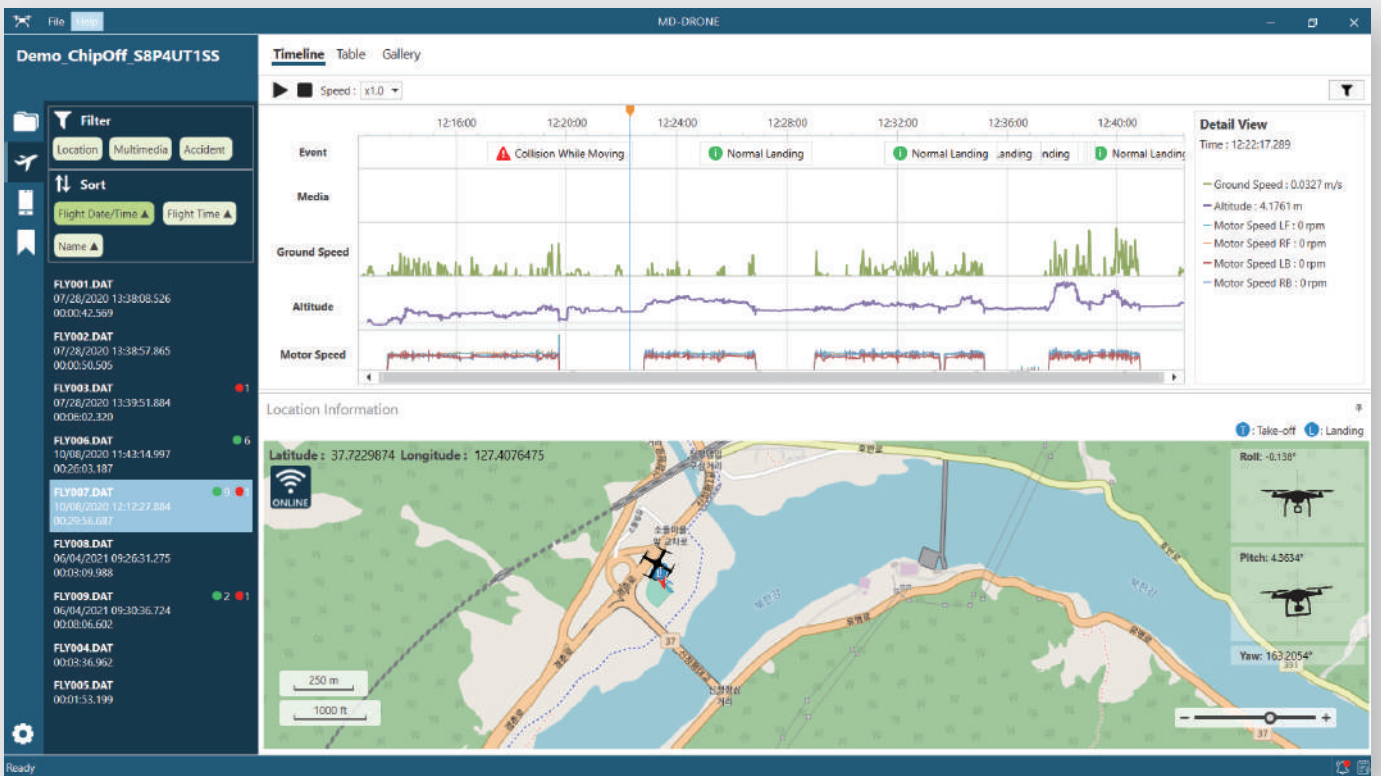# MD-DRONE

Drone(UAVs) Data Extraction and AI-based Flight data Analysis Tool

MD-DRONE is a drone forensic software for extracting and analyzing data from various data sources of UAV/Drone from of global manufacturers such as DJI, Parrot etc. Timeline-based flight parameter values(speed, altitude, value of each motor, etc.) can be viewed in graphical & tabular formats. Moreover, ML/AI-based drone accident or abnormal landing analysis feature is available.

System Requirements

OS	Windows 8/10 (64 bit)
CPU	i5 or above
RAM	8GB or above
HDD	1TB or above
Display	1200 x 700 or above
USB	2 or more USB 2.0/3.0/3.1 ports
Microsoft .Net Framework 4.6.2	

Product Components

MD-DRONE Installation Software (USB/Online)

USB Dongle Key 1EA

Warranty 1 Year

⟩ Product Specification

Various Extraction methods for wide range of Drone

– Extraction through the drone USB connection
– Extraction through the network connection (WIFI)
– Extraction from SD card
– Chip-off extraction (Requires chip socket + chip reader)
– Drone App data can be extracted with MD-NEXT and exported with MD-RED
– Provides an extraction guide for each method

Timeline-based Integrated Flight data Analysis

– Timeline-based flight parameter values (speed, altitude, value of each motor, etc.) can be viewed in graphical & tabular formats
– Selective evidence data according to the flight time
– Check the drone's position and posture (Yaw, Roll, Pitch) information on the timeline
– Integrated view of flight path history and media data
– Playback and reconstruct flight history
– Preview of the selected media file in the timeline chart

Deep analysis of flight data by AI and machine learning

– Learning of accidental or abnormal flight log data
– Find out the collision, battery exhaustion, normal landing, and abnormal flight position/time

Detail flight data view and selection

– Check the detailed values of the flight log
– Classify meaningful flight log values such as altitude, ground speed, battery, and signal strength and display in different colors on the map
– Tabular view of GPS-based drone track, latitude, longitude and movement history
– Check the drone position value by time
– Sorting flight data in time order
– Intuitive drone movement check through table view
– Detailed values of the flight log in the table and visualization on the map

Multimedia Gallery

– Check the multimedia (video, photo) file with the corresponding time information in the flight record
– Check the Information such as the path, creation date, and size of the saved multimedia file
– Intuitive analysis through the preview
– Filter & Sorting of the flight logs by multimedia file, Location, Date & Time, Log file name etc. by path, creation date, and size

Bookmark

– Supports bookmark feature for flight time range, image and video

Notification Alarm

– Displays and saves important notifications during extraction and analysis while using MD-DRONE

Reporting

– Supports exporting of reports in PDF format based on the bookmarked content
– Supports exporting of each manufacturer's flight log glossary in csv format

*Contact us for more detailed product spec information.