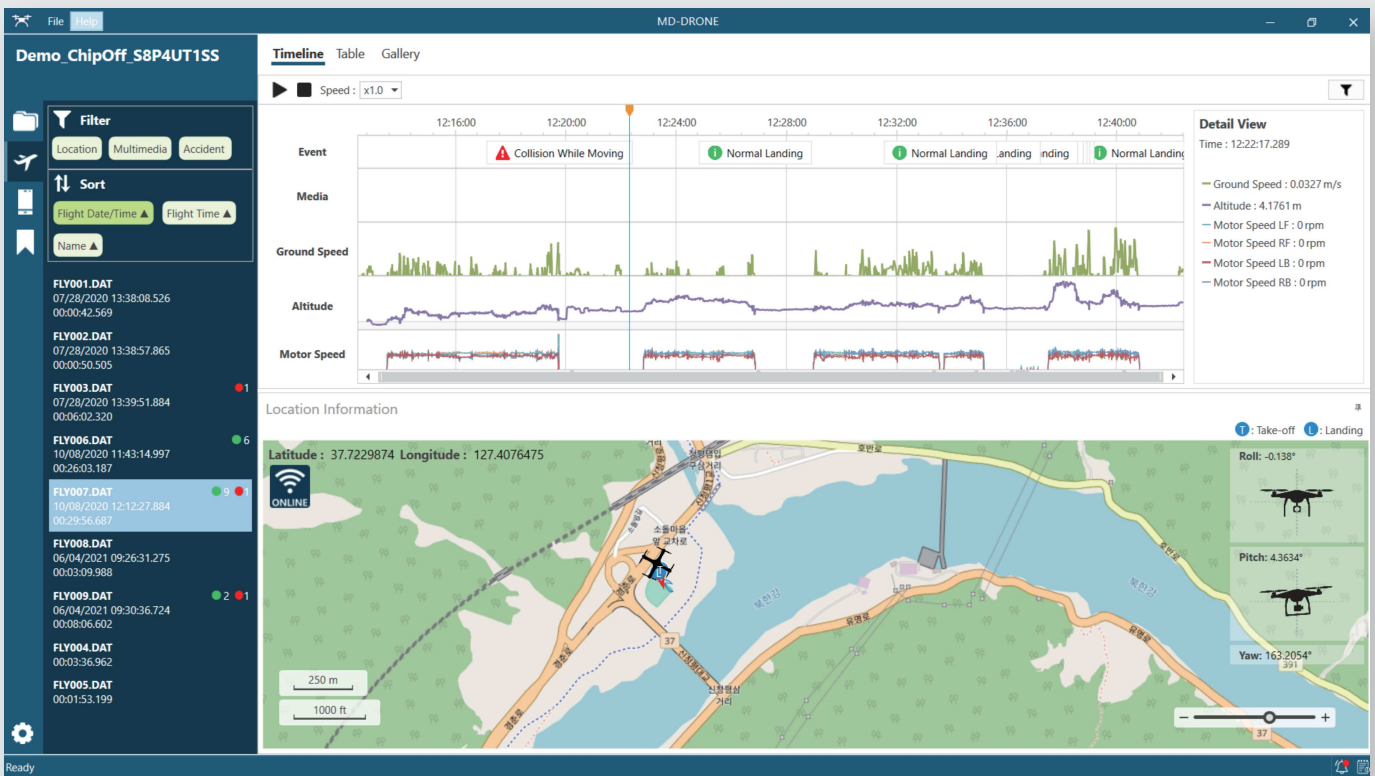# MD-DRONE

Drone Forensics Software, AI-based Flight Data and Accident Analysis

MD-DRONE is a drone forensics software for extracting and analyzing data from various data sources of Drone and UAV from 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
- Extraction through the network connection (WIFI)
- Extraction from SD card
- Chip-off extraction
- Drone App data can be extracted by MD-NEXT and exported by MD-RED
- Flight logs (*.srt) generated during video shooting from DJI MINI Series

Timeline-based Integrated Flight Data Analysis

- Various flight parameters(speed, altitude, value of each motor, etc.) can be viewed in graphical & tabular formats
- Selective evidence data according to the flight time
- Displays drone's position and posture(Yaw, Roll, Pitch) data for any specific time
- Integrated view of flight path history and multimedia data
- Flight path view over geographical on/off-line map
- Instant preview of multimedia files in timeline chart

Deep Analysis of Flight Data by AI and Machine learning

- Learns flight logs that contain accidental or abnormal data
- Identifies instances of collision, battery depletion, normal landings, and deviations from normal flight position/time

Detail Flight Data View and Selection

- Displays detailed values of flight log such as altitude, and ground speed
- Tabular view of GPS-based drone track, latitude, longitude and movement history
- Drone position by time
- Sorts 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

- Displays multimedia(video, photo) file with the corresponding time information in the flight record
- Displays the multimedia metadata information, such as path, creation date, and file size
- Intuitive analysis through the preview
- Flight logs can be filtered and sorted based on various criteria such as file type, location, date, time, name, path, creation date, and size

Bookmark

- Bookmark of flight time, and multimedia

Notification Alarm

- Saves important notification during extraction and analysis

Reporting

- PDF format of report based on the bookmarked contents

*Contact us for more detailed product spec information.