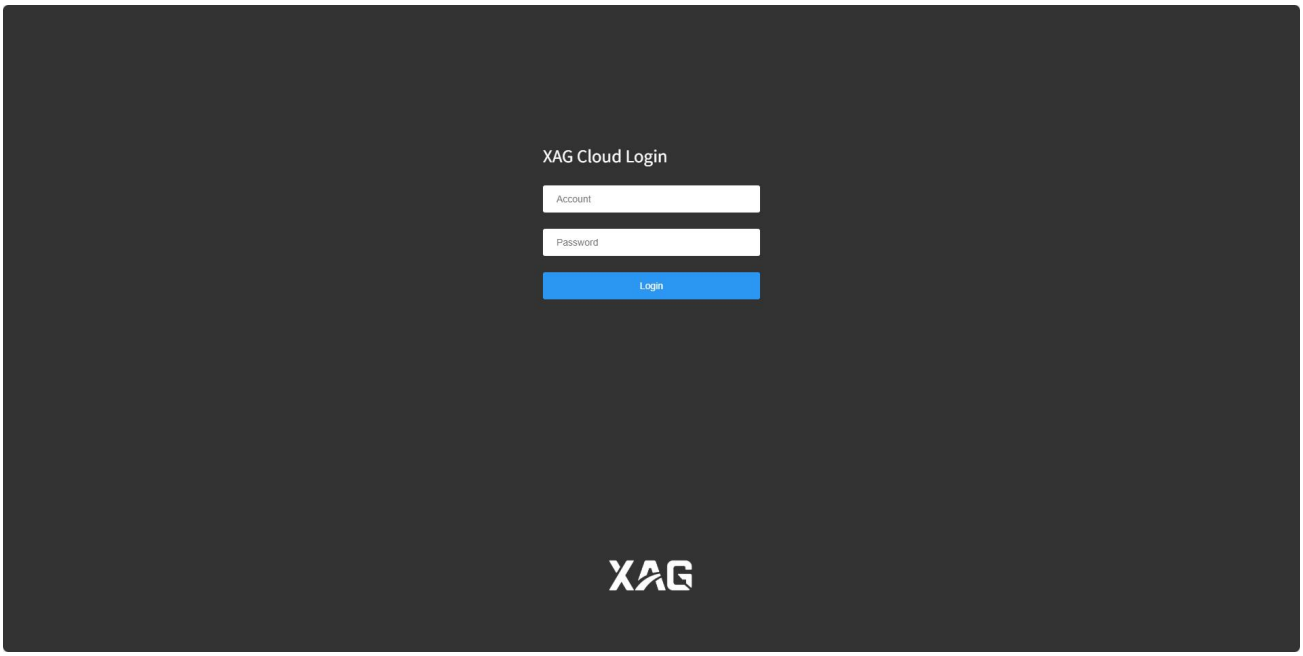
Guide for XAG Cloud

Overview

XAG Cloud（https://cloud-global.xa.com) is a website for searching drone’ s log files and crash video files, analyzing local log files (.log). It is compatible with drones from the 2022 model year and newer.

Introduction

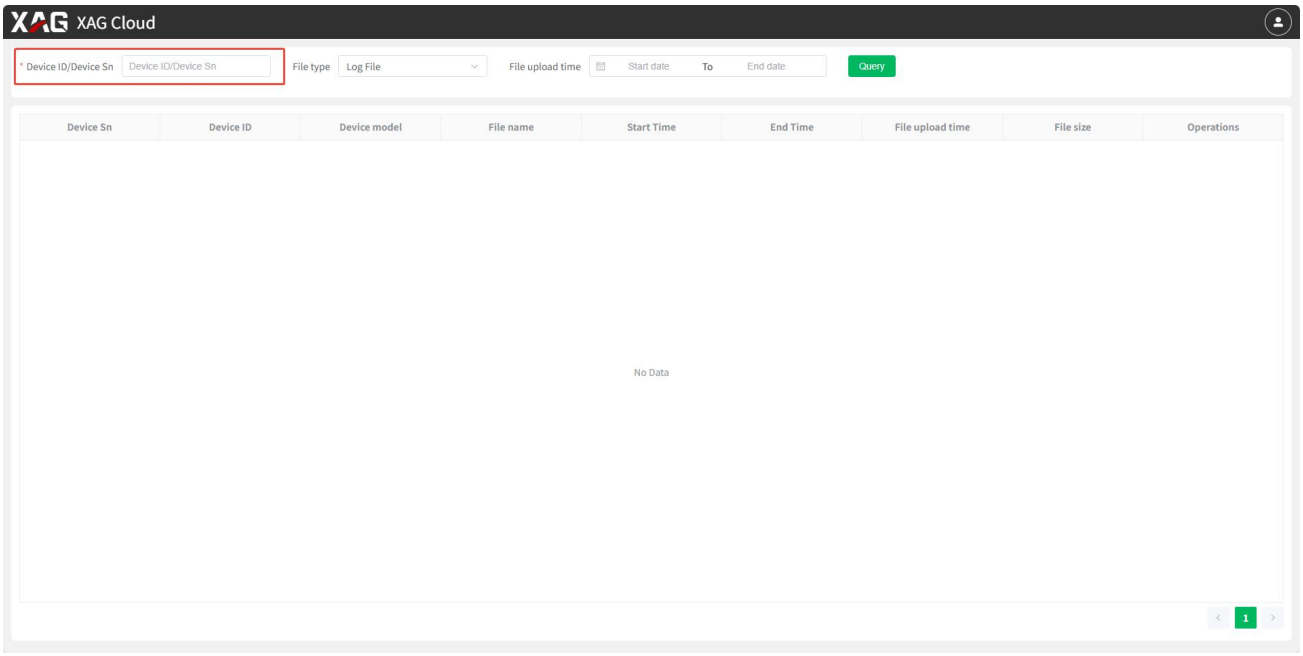
1. Login



When you enter the website, you will be prompted to login in order to use the subsequent features.

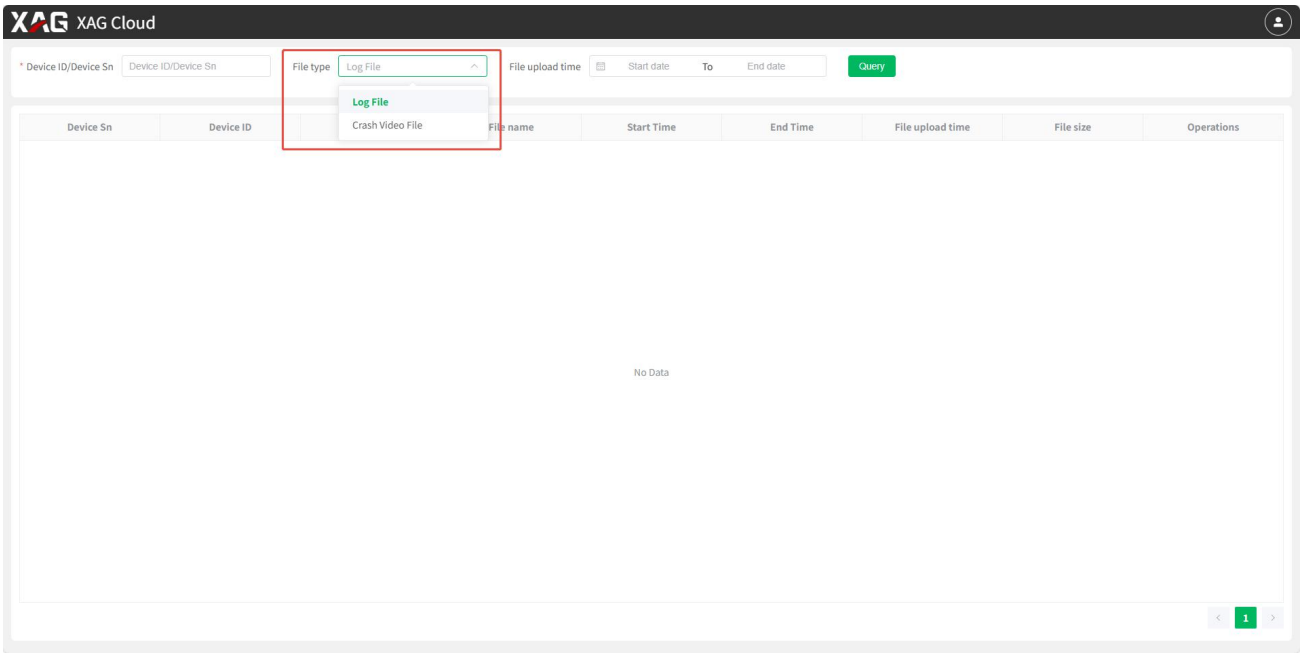
Please enter the correct account and password to log in to XAG Cloud.

2. Device ID/Device Sn



Device ID/Device SN is where the device’ s serial number is entered. The serial number of every XAG product worldwide is unique, which allows XAG Cloud accurately locate all related product data—including model information, log files, and crash videos—based on the serial number. To proceed with the subsequent search, you need to correctly find the drone’ s serial number and enter it in the box.

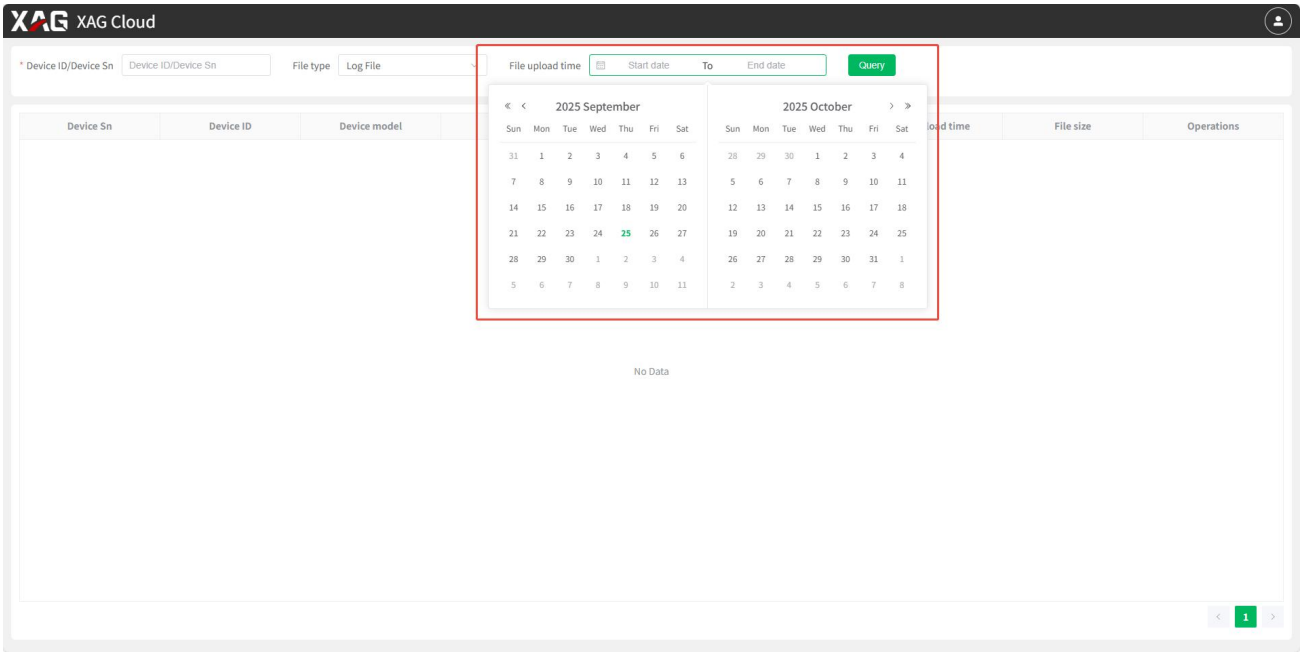
3. File Type



In File Type, you can choose the type of file you want to search. There are two options currently: Log File and Crash Video File.

- If you choose Log File, the search results will include the log files uploaded to the cloud by the device, which can be used for data analysis.
- If you choose Crash Video File, the search results will include the videos uploaded to the cloud when the device crashed, typically consisting of up to 30 seconds of footage captured by the drone’ s camera before the crash.

4. File Upload Time



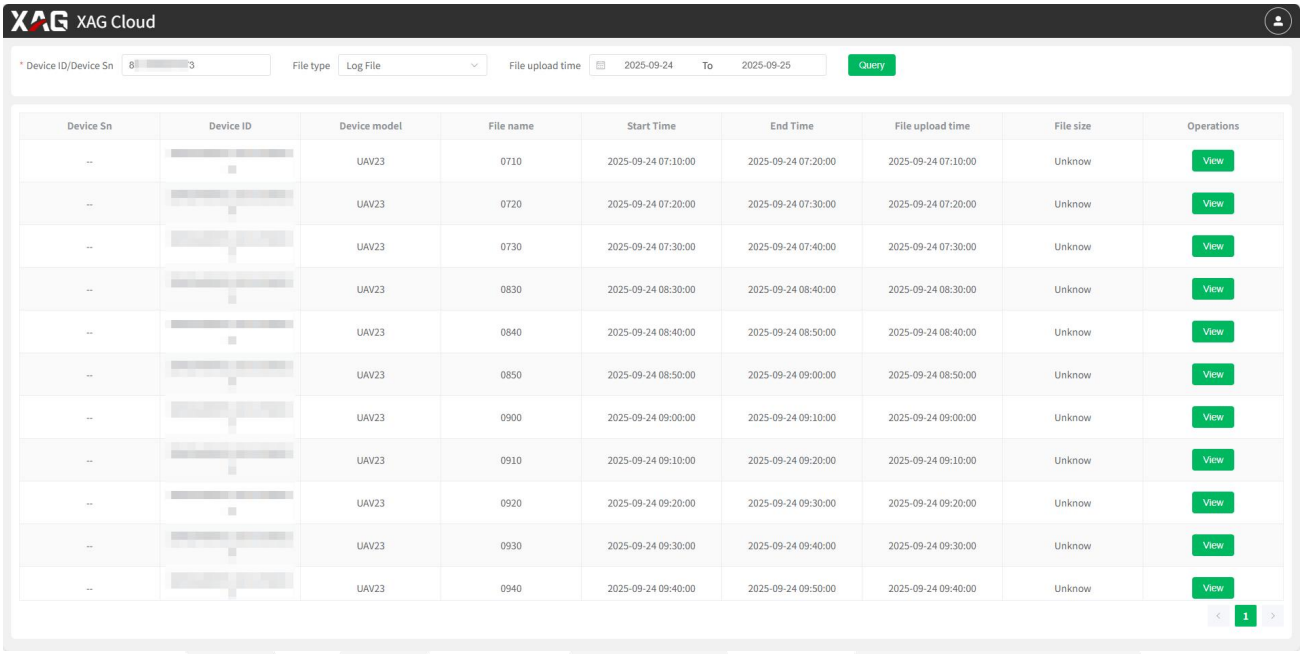
File Upload Time can let you locate files of the selected type that the device has uploaded to the cloud within a specified time range. The time selection is accurate to the day and follows the YYYY/MM/DD format. When choosing dates, the range can only span a single consecutive day.

Usage

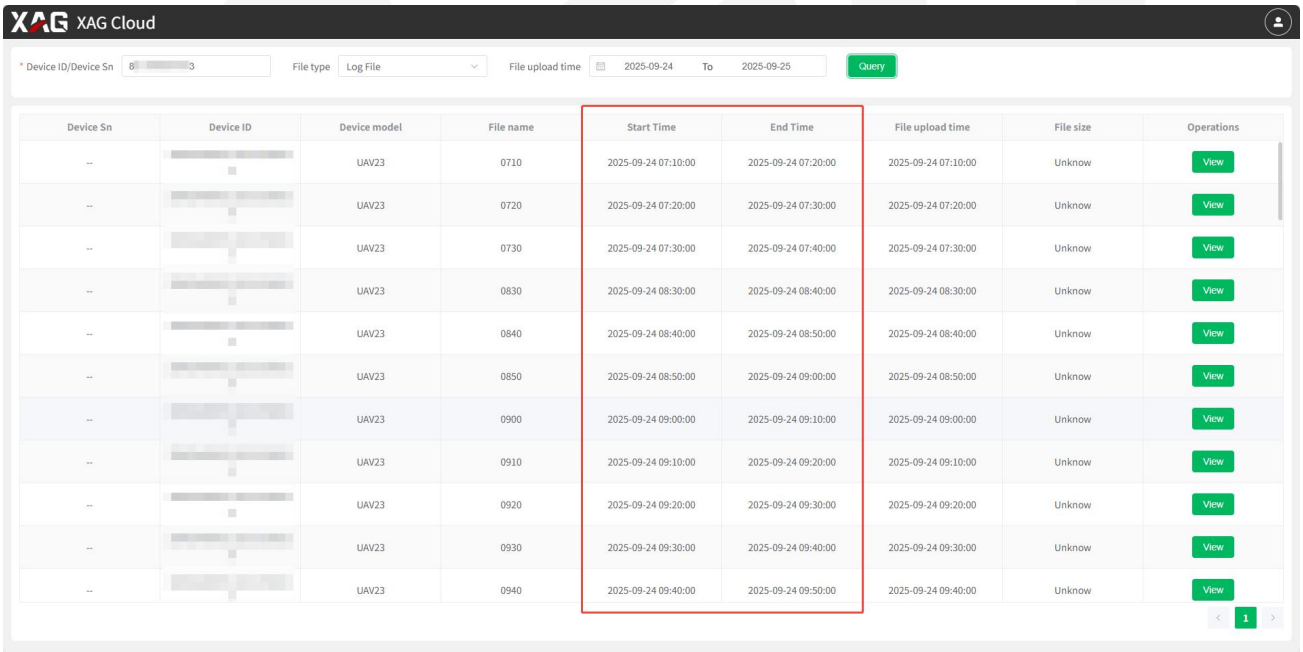
1. Log File Search

Select File Type as Log File, then enter the device serial number and date range you

want to query. After that, click Query to proceed.

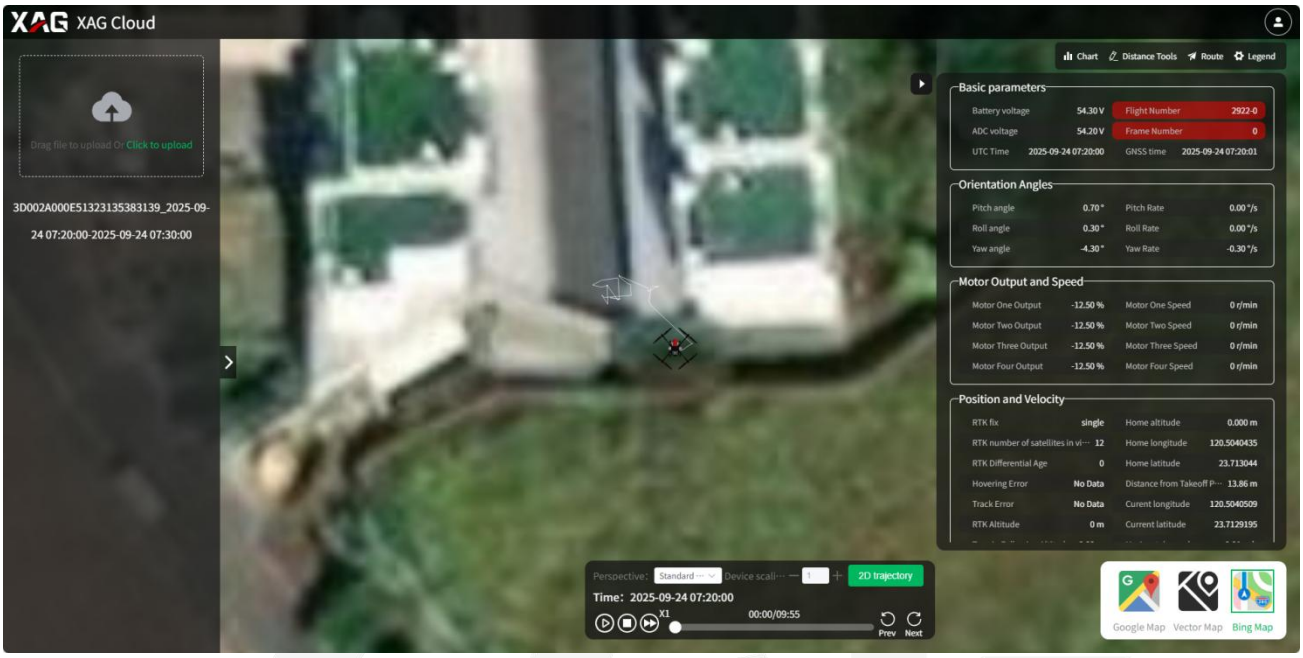


Sometimes (In general situation), more than one log file of the drone will be found after the query. In this case, select the log file whose start and end times best match the flight mission, and then click View.



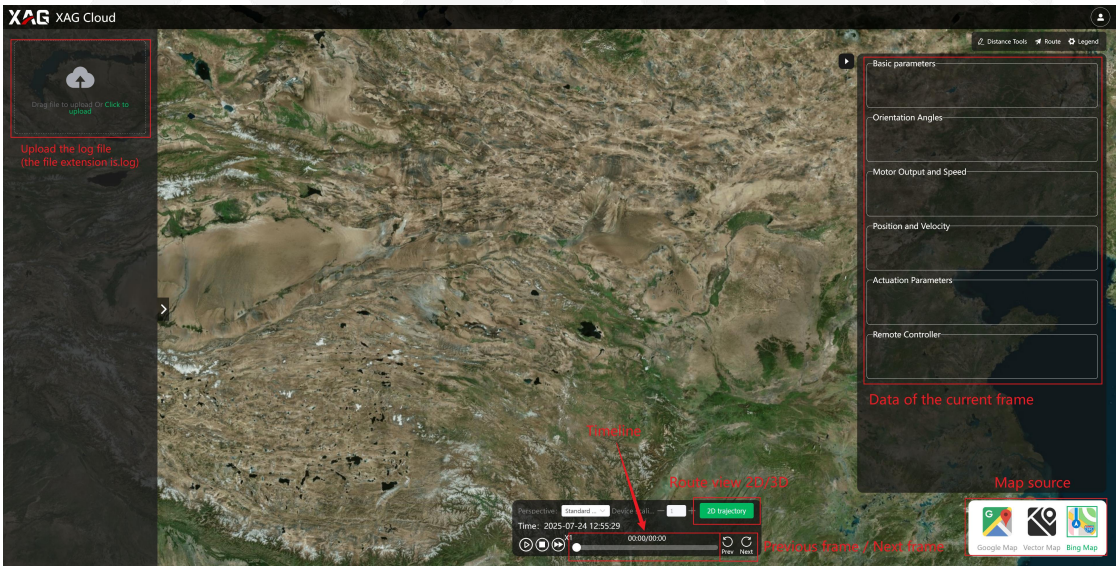
After clicking View, XAG Cloud will automatically parse the log file and open a new page in the browser to **XAG Cloud Log Analysis System**. On this system, you can view complete flight information and parameters for the drone sortie you choose to

view, including but not limited to Basic Parameters, Orientation Angles, Motor Output and Speed, Position and Velocity, Actuation Parameters, Remote Controller Info, and Sorties Message.



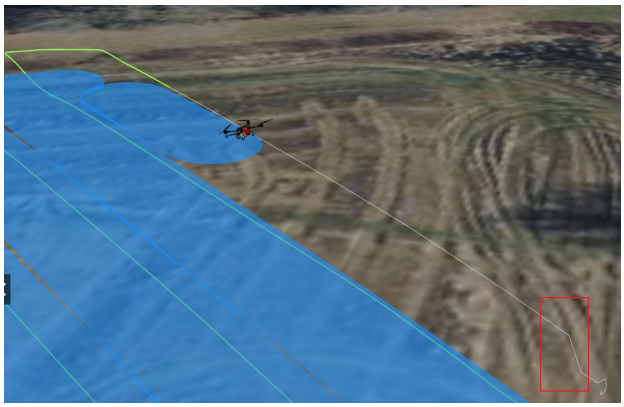
Detail about **XAG Cloud Log Analysis System**:

1) Introduction

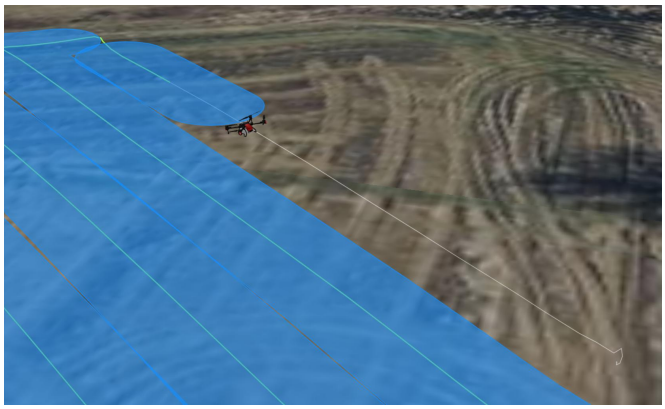


The time is in UTC+8.

2D /3D trajectory： The 3D trajectory records the route altitude information of the drone, making it convenient to view the flight status of the drone.



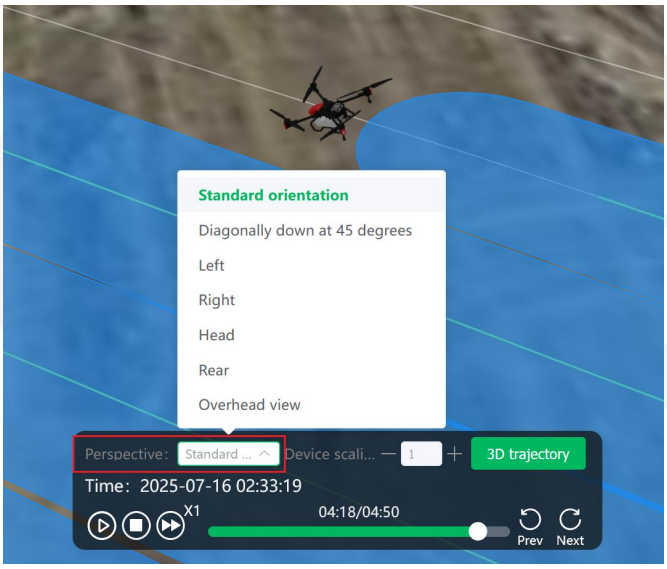
3D trajectory



2D trajectory

Map source：Different map source options are avaliable to bottom right corner.

View: Select to switch in Perspective or use the mouse to switch.



Perspective：Select to switch perspectives.

Mouse:

① Long press the left mouse button or scroll wheel and drag to move the map interface.

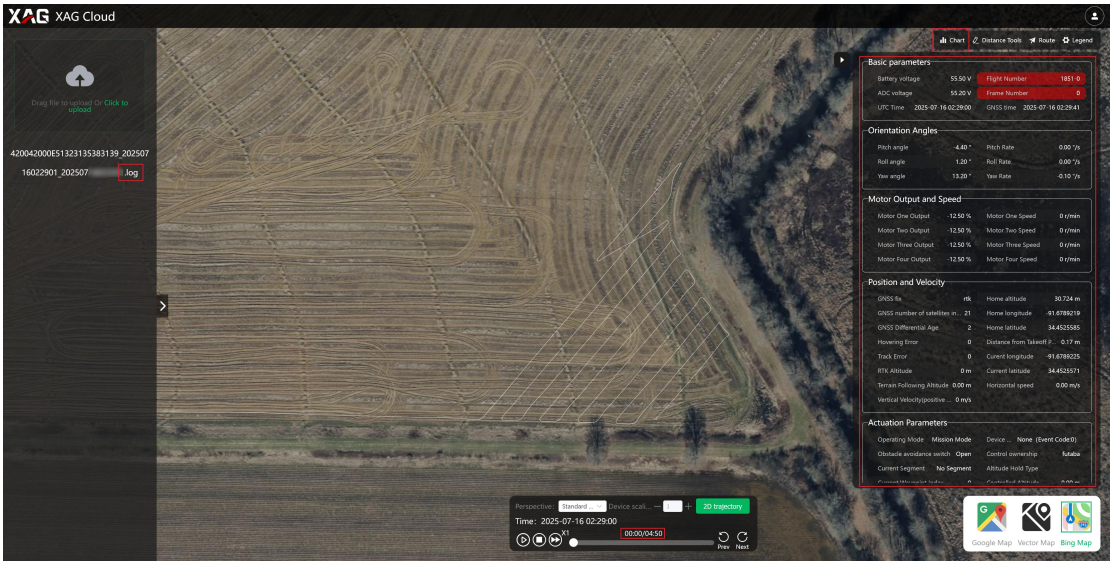
② Long press the right mouse button to rotate the map view.

③ Scroll the mouse wheel to zoom in or out of the map.

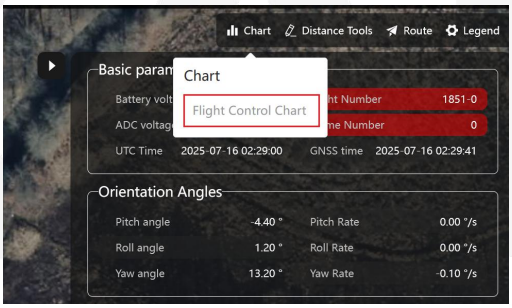
2) Usage method

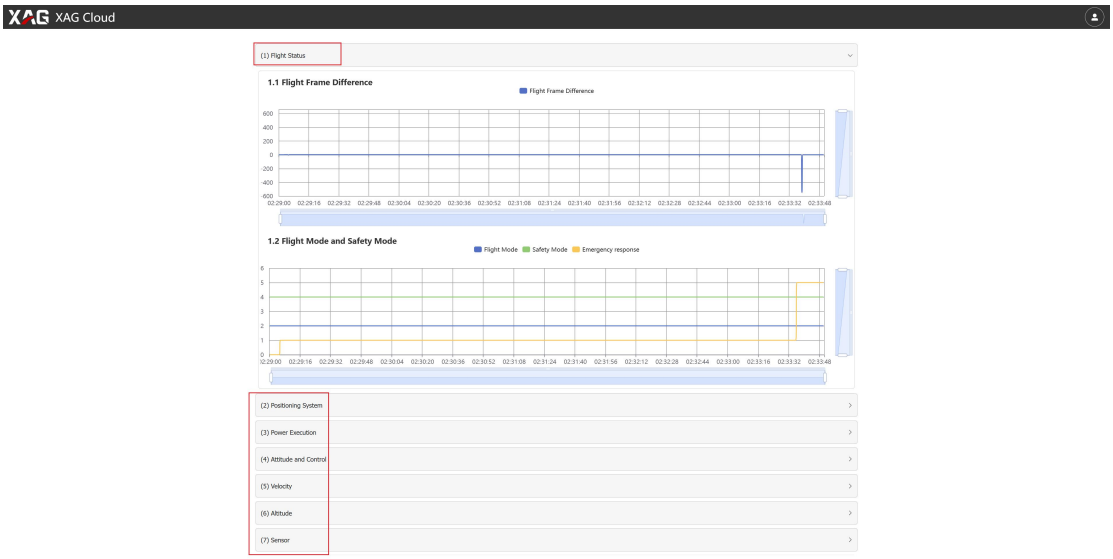
① The flight parameters of the drone are shown on the right.

The drone's flight time and timeline will be updated at the bottom.



② Click Chart in the upper right corner, and another page will pop up. Select the classification interface to expand or collapse the flight parameter chart.





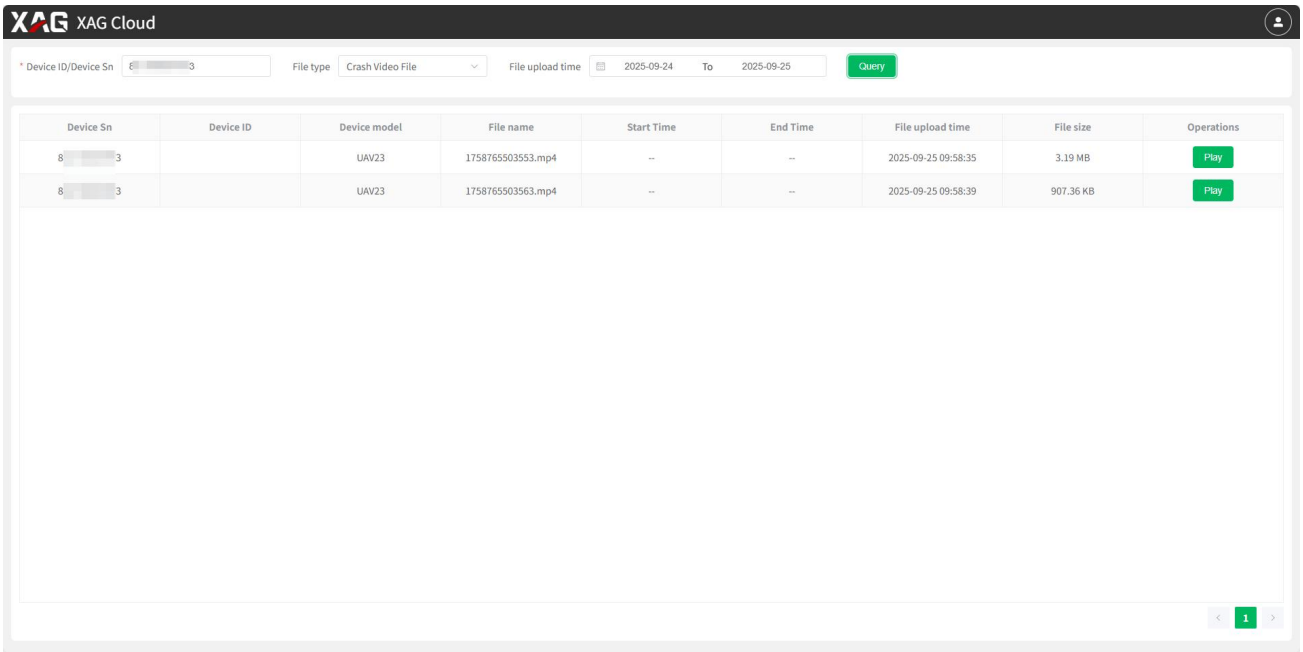
③ There is a slider at the bottom and on the right side of each chart, which is used to

zoom in/out the chart for easy data viewing.

④ Analyze the drone crash data in combination with other relevant data.

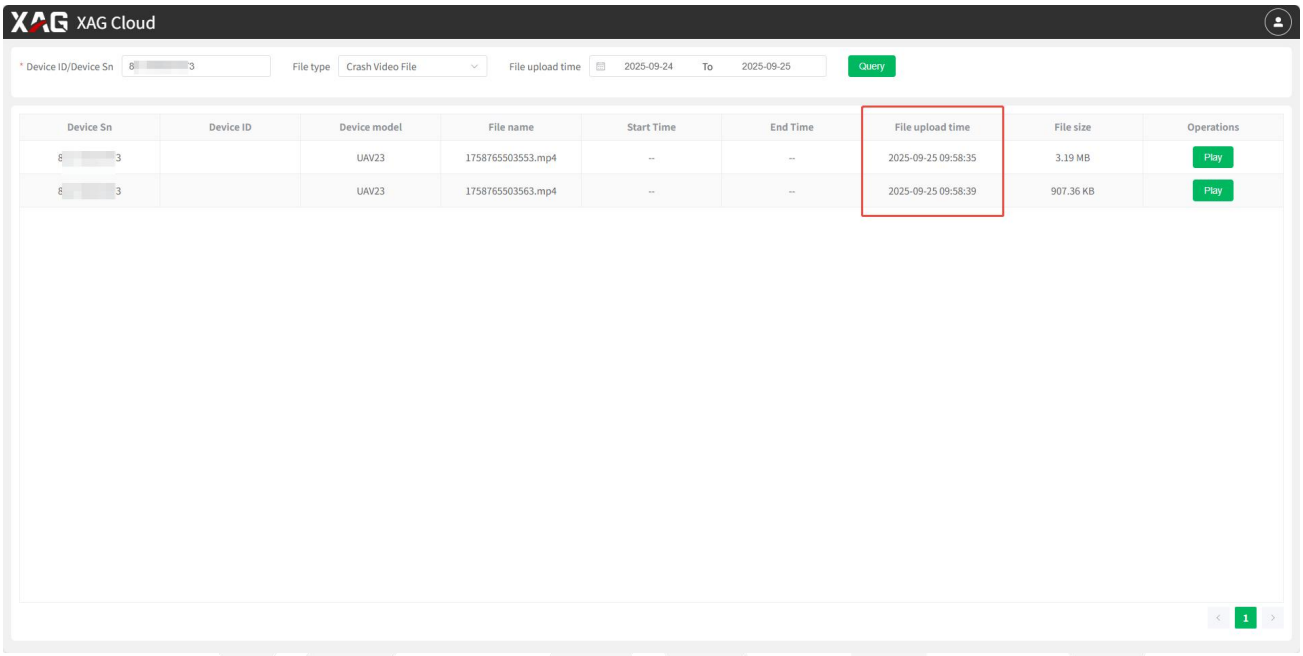
2. Crash Video File Search

Select File Type as Crash Video File, then enter the device serial number and date range you want to query. After that, click Query to proceed.



Sometimes, more than one crash video file of the drone will be found after the query.

In this case, select the crash video file whose upload time best match the flight mission, and then click Play.



After clicking Play, XAG Cloud will automatically search the crash video file and open a new page in the browser. You can click the rotate button in the upper-left corner to rotate the video clockwise or counterclockwise. While playing the video, you can drag the progress bar to view footage at a specific time. In the lower-right corner of the video, you can choose to play the video in full screen or in picture-in-picture mode.