



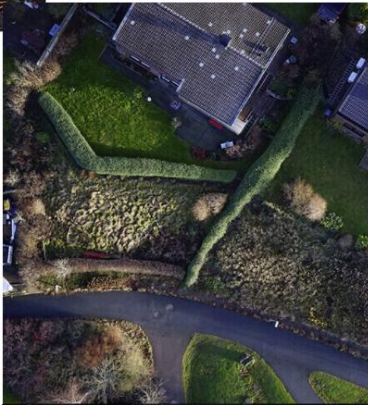
GPS GLOBAL SOLUTIONS

EGLÉ ONE



GPS GLOBAL SOLUTIONS

Long endurance, compact quad copter with PPK positioning



Flying Platform

Dimensions: 830x855x290mm
Wheelbase: 725 mm
Maximum take-off weight: 6,5 kg
Data transmission distance: 30km
Differential mode: Network RTK / PPK
Modular design: Quick removal and assembly without tools
One machine for multiple uses: Single machine multipurpose load compartment design that can change loads according to mission requirements
Carrying bag size: 650x640x310mm

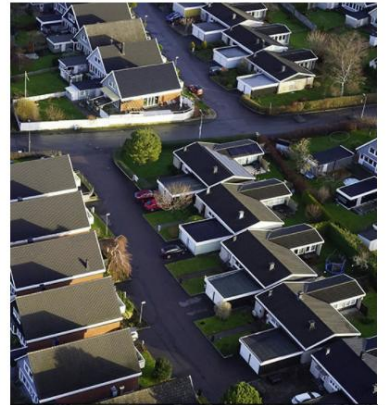
Flying Platform



Flight

Standard flight time: 60 minutes
Cruising speed: 10 m / s
Maximum speed: 15m / s
Wind resistance: 12m / s (level 6)
Maximum ceiling: 4500m
Battery: 6S 22,8V 25000mAh
Operating temperature: -20 ~ 45 °C
Ground station software: Mission Planner

Flight



Load

Standard load: 700 g
Maximum load: 1500 g
Five lens camera
Single lens orthophoto camera
 6100

Load



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Run Software

Calibration of the Compass

Calibration of the Compass



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Calibration Process

Basic


Advanc...

MultiRo...

CaliMag

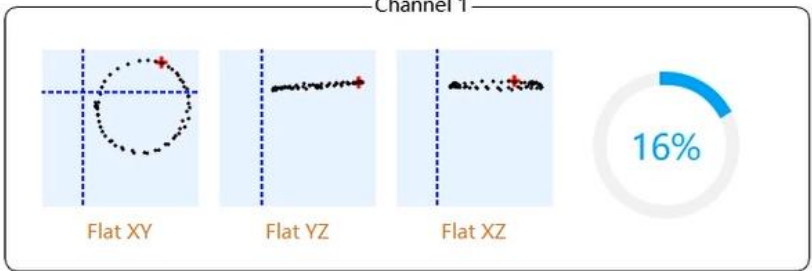
Info

Calibration process

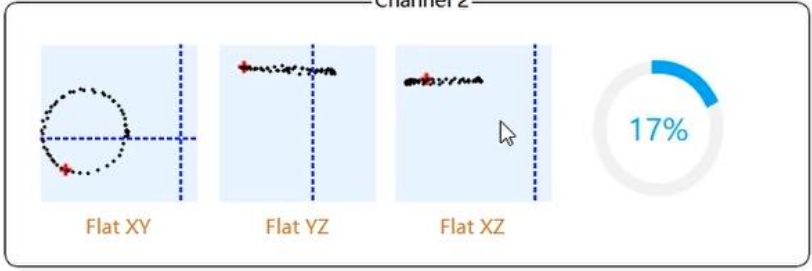


Rotate the drone horizontally as shown in the figure, and rotate at least 1 turn before reaching 30%

Channel 1



Channel 2



[ck to query Mag.-D](#) Magnetic declination:

THR ROLL YAW PITCH

AheadX™
Dependable Flying Robot

Flight Inspection

Flight Inspection Wizard

Task Register

Manual Check

Sensor Status

Compass Stat

Rocker status

Actuator

Fly Preference

Protective fun

Task Equipme

Vibrate Check

Confirmation

Company Site Director

Certificate Certificate ID

Pilot GCS Operator

Ground Crew A Ground Crew B

Info Management Edit company/person information via "Information Management"

Task Name Task Place

Weather Temperature

WindForce WindDirection

AirSpace Not Approved Legal (Field commander is responsible for th



Flight Inspection Wizard

- Task Register
- Manual Check
- Sensor Status
- Compass Stat
- Rocker status**
- Actuator
- Fly Preference
- Protective fun
- Task Equipme
- Vibrate Check
- Confirmation

Mode1 Mode2 Mode3 Mode4

1. Please select the operation mode of the current auxiliary rocker and check whether the rocker changes are consistent with the actual situation.
2. Ensure that current rocker communication distance meets flight requirements and understand rocker protection logic after loss

All OK Exception

Last Next Quit

Check each motor by clicking on buttons MOTOR1, 2, 3, 4

Flight Inspection Wizard

- Task Register
- Manual Check
- Sensor Status
- Compass Stat
- Rocker status
- Actuator**
- Fly Preference
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- Confirmation

Obtain Motor Layout

Please confirm security!

Motor Auto Rotate In Order

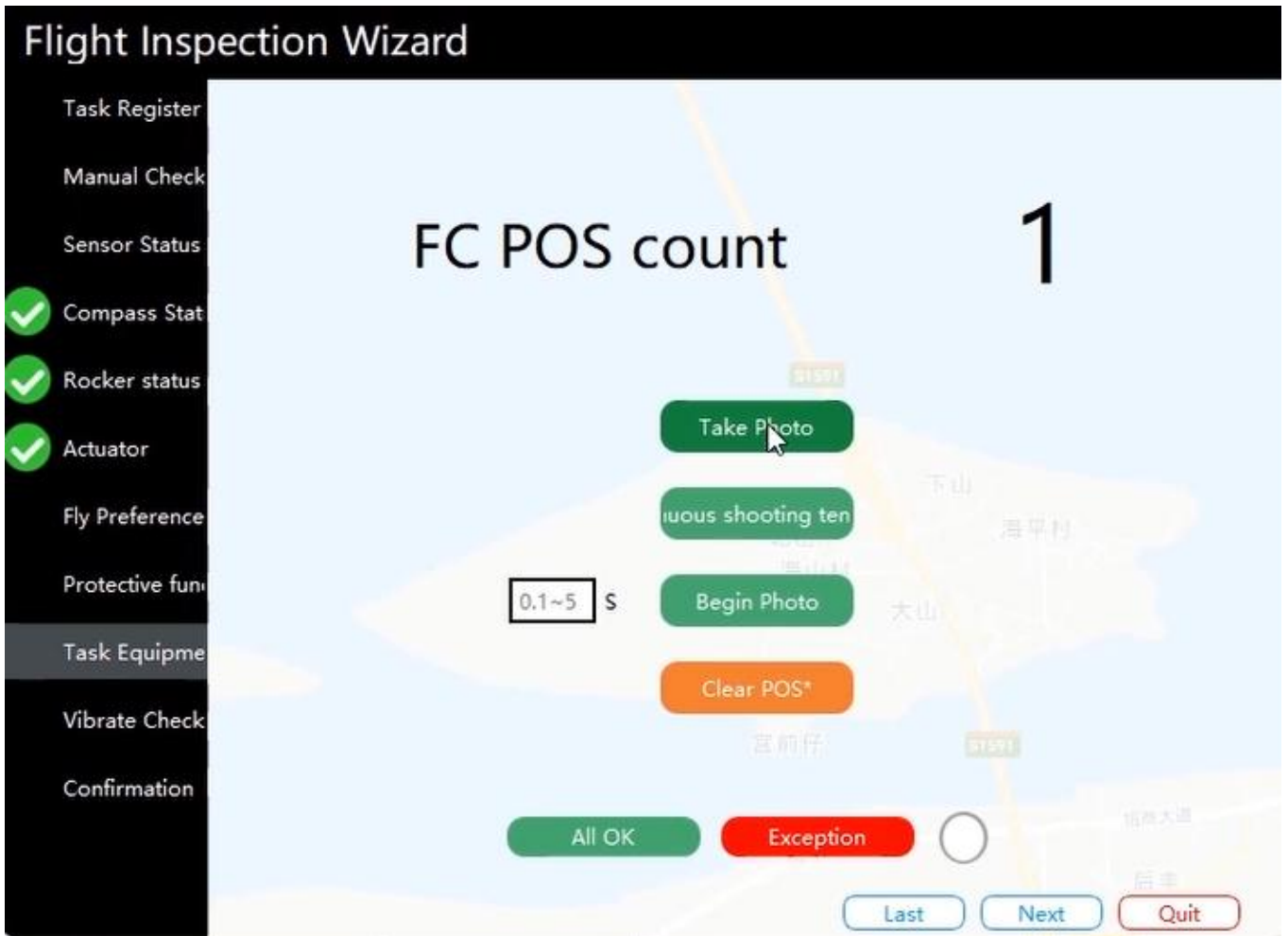
Motor1 Motor2 Motor3 Motor4

Open Parachute * Close Parachute

Stop Detect

All Normal Error

Last Next Quit



Compare bellows check list parameter

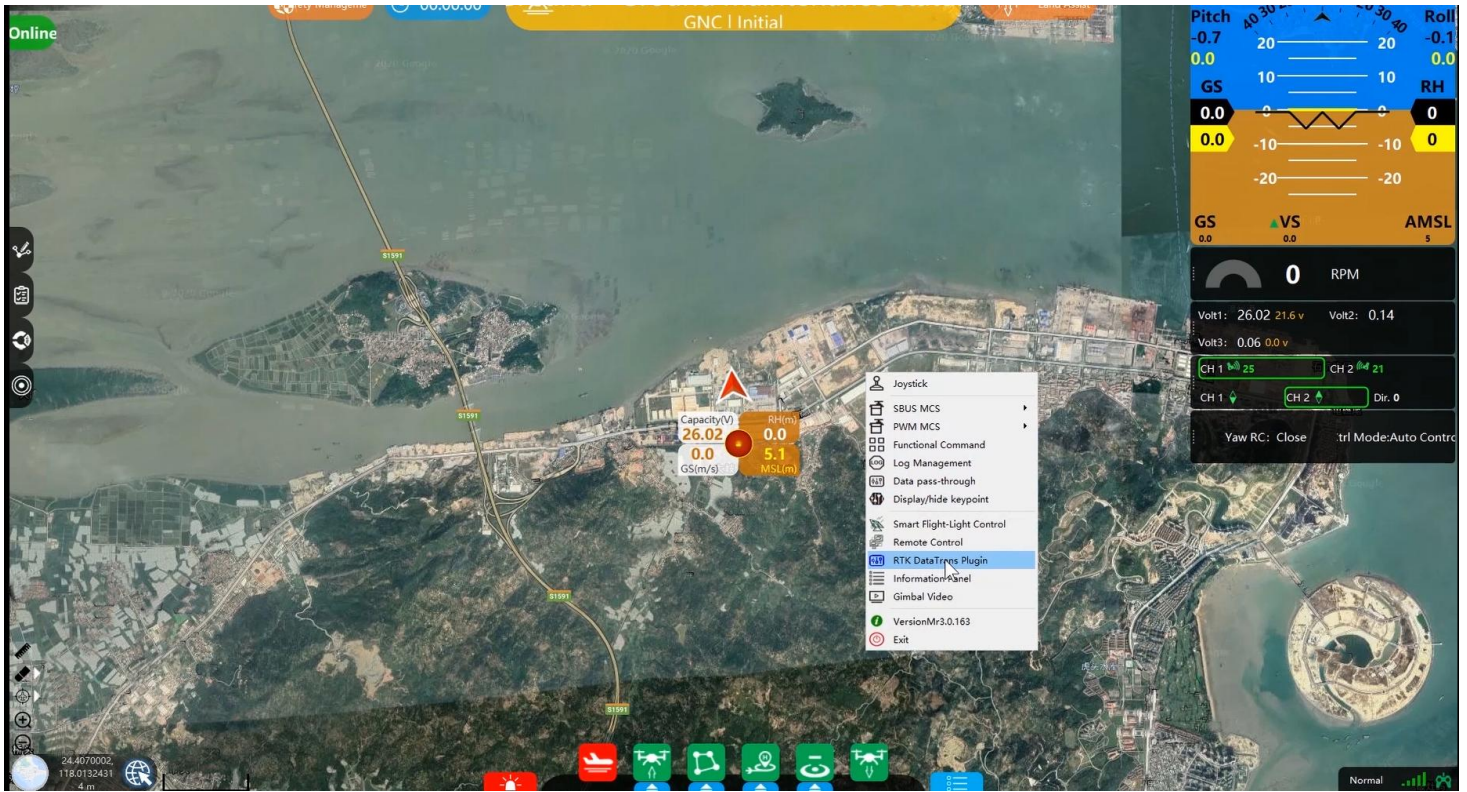
Check-List for the Extension Range & Flying Speed

Flying Speed	Tturning Radius	Extension Range
6m/s	15m	1s
8m/s	18m	2s
10m/s	30m	5s
12m/s	45m	9s



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LEFT MOUSE BUTTON and choose option **RTK DATA PLUGIN**



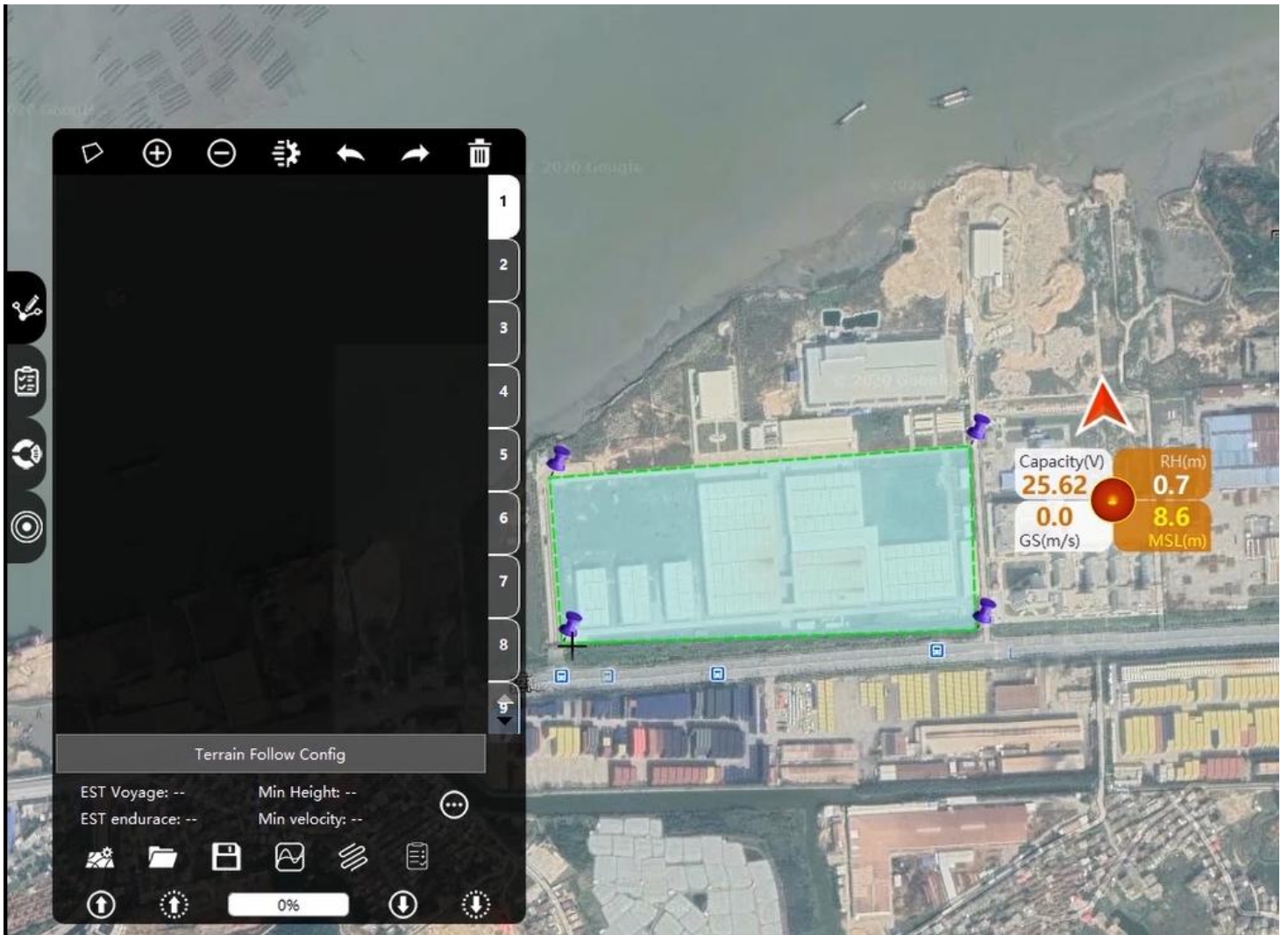
Connection to Ground Base Station



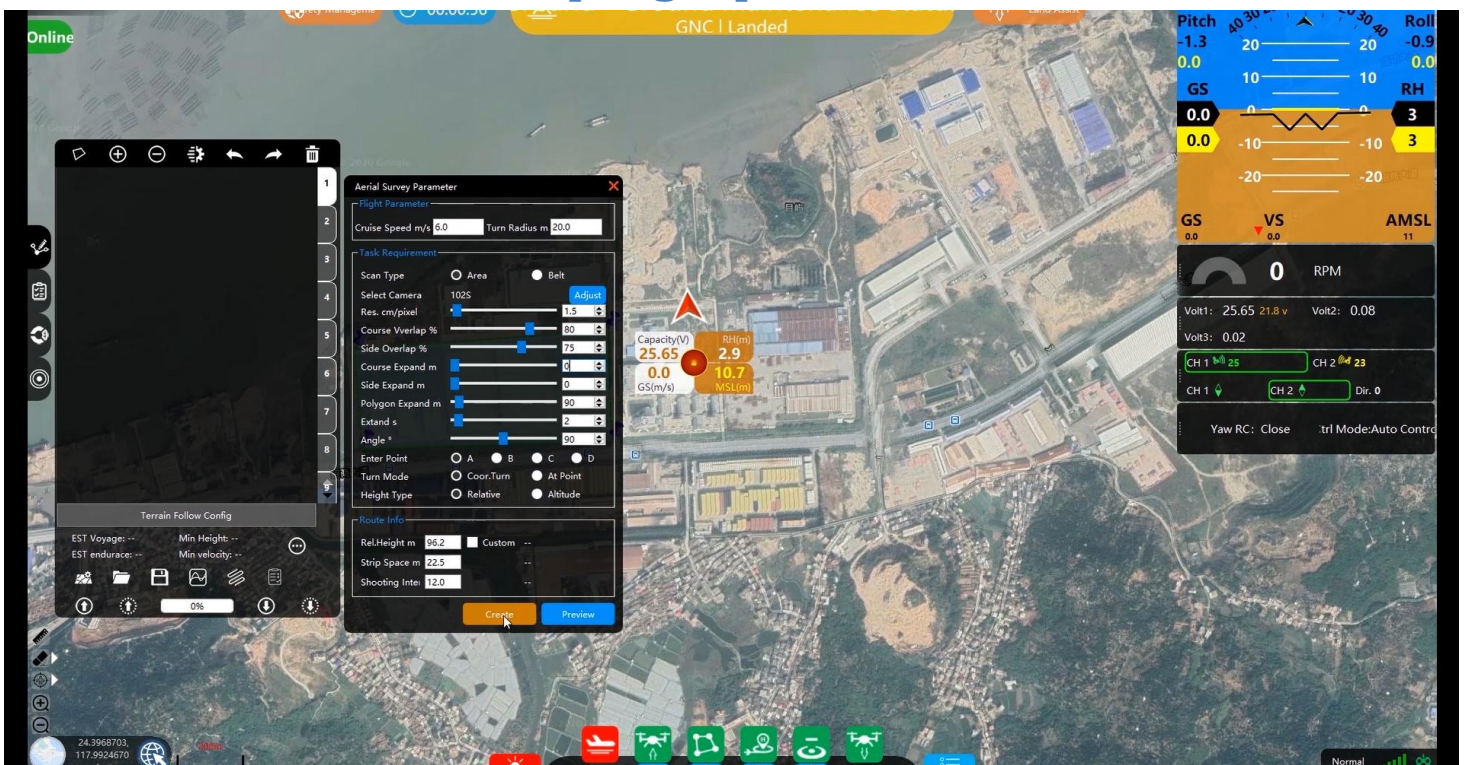


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Mark Pins for prepare flight area



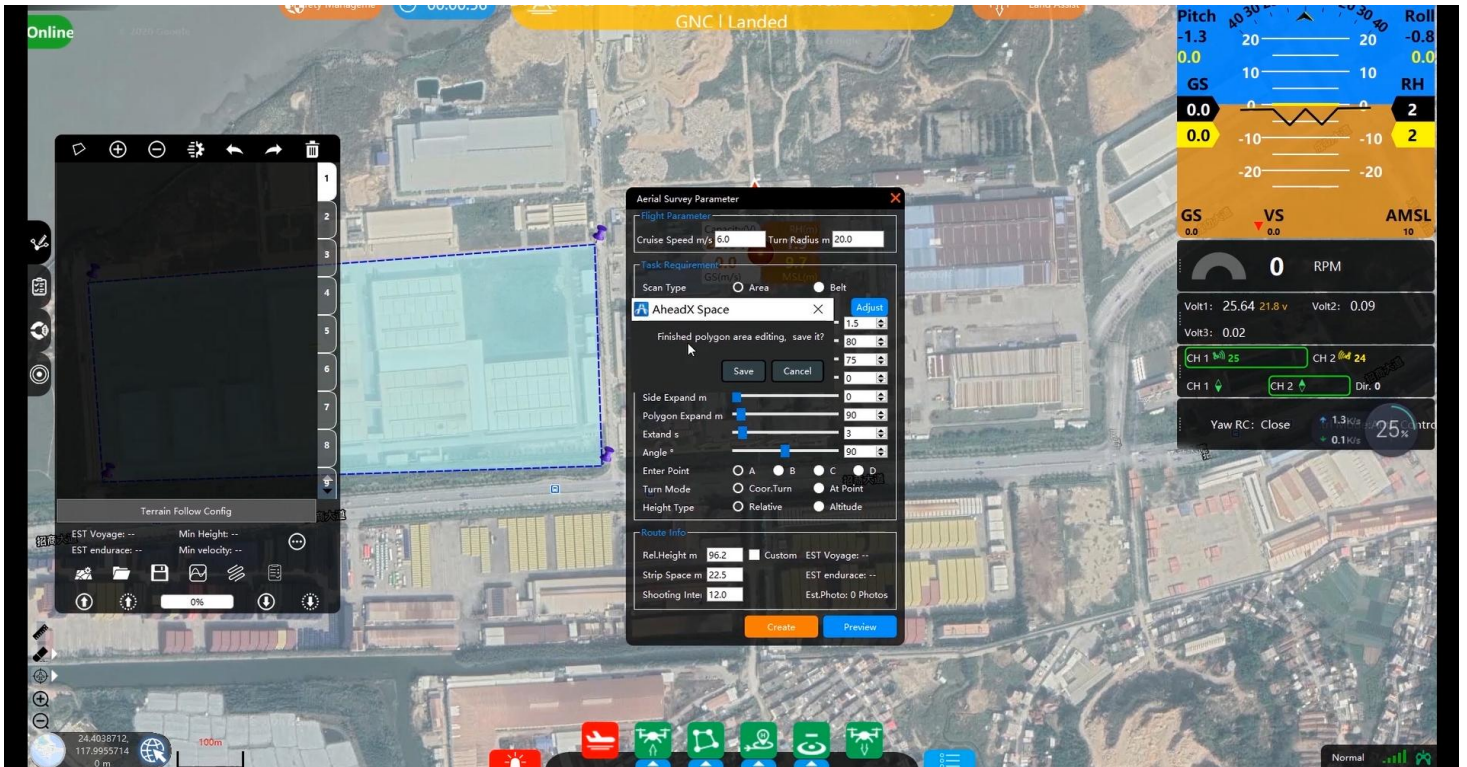
Setup flight parameters



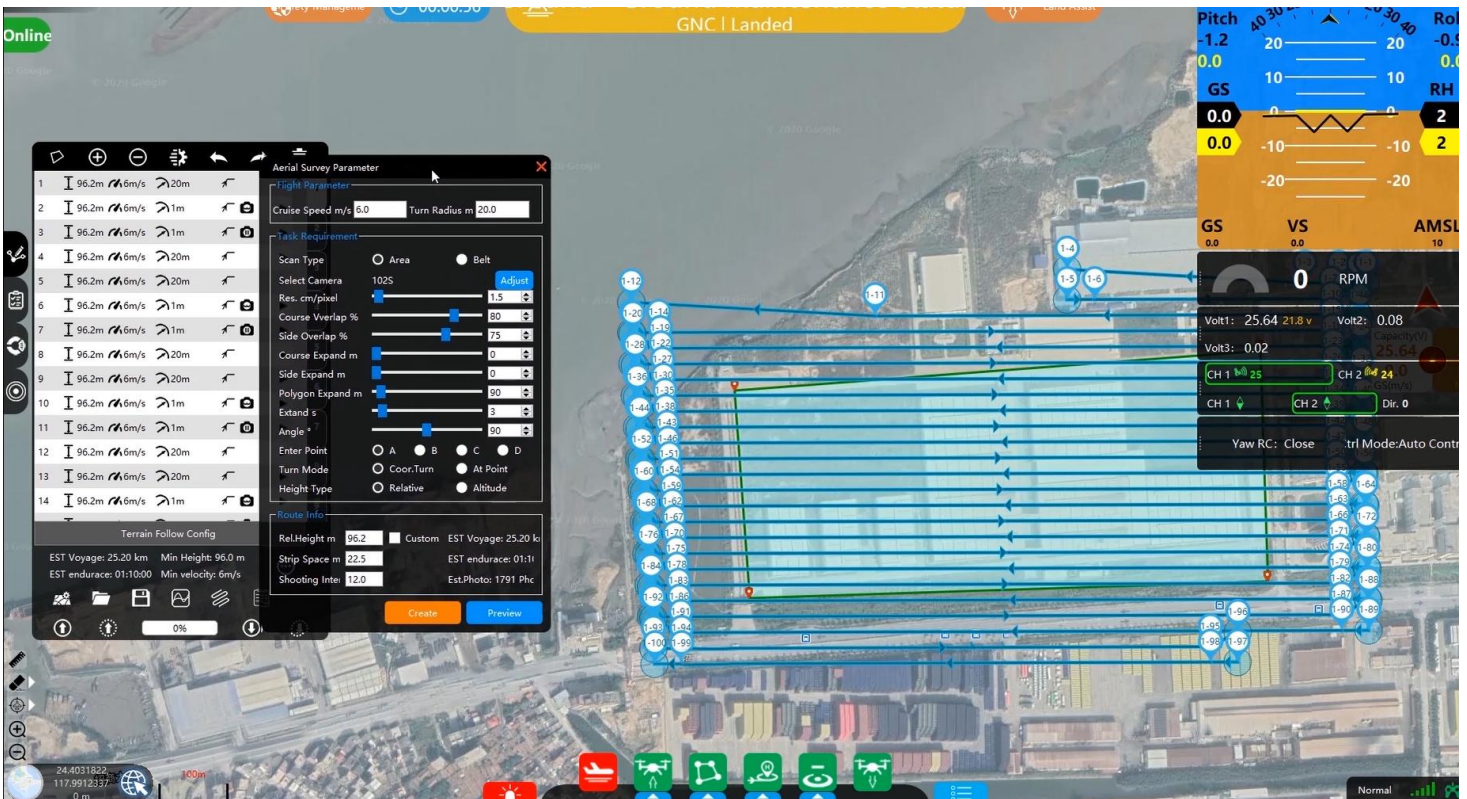


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Polygon Area Editing Parameters



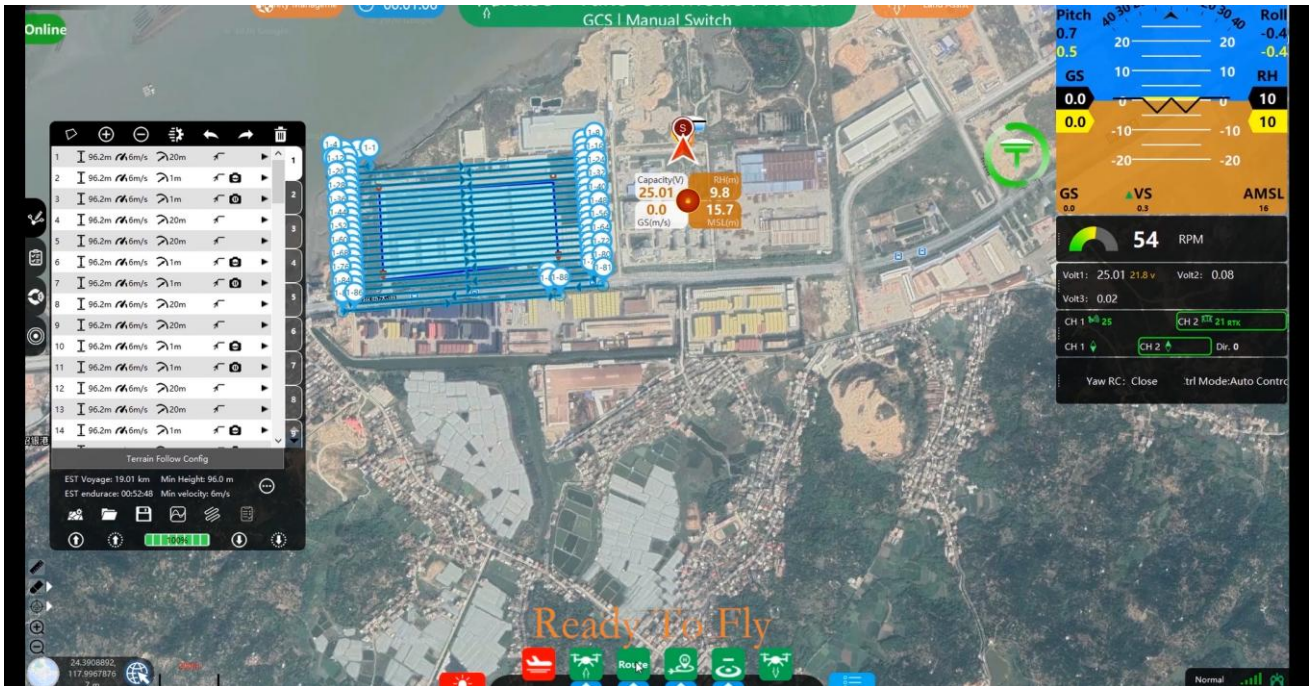
Proceed Flight Plan - Automatically will create route





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READY TO FLY



No Tools Required

Screw propellers by bare hands, plug in battery, ready to fly. Literally no tools required.



120MP Oblique Photogrammetry

With the state of the art imaging technology, 5 lens camera with the total spatial resolution of 120 MP ensures that every single details are mapped no matter how they are vertically hidden.



Totally Autonomous Operation

Starting the operation is as easy as clicking a few buttons in mission planner. Rest is totally autonomous by advanced AutoPilot and other flight control systems.



Terrain Surface Tracing

In case the area of interest has irregular terrain, one click is enough to match the flight altitude according to the surface of the topography.



Long Endurance

The flight time of oblique photogrammetry is up to 60 minutes with single battery charge in order to ensure uninterrupted operation.



Resume Function

For any reason, any incomplete mission can be resumed at any time by resume function. Any unexpected change is not a problem anymore.



PPK Positioning

A Multifrequency PPK receiver is equipped with the drone to ensure that every single picture taken is geospatially accurate within 1 cm.