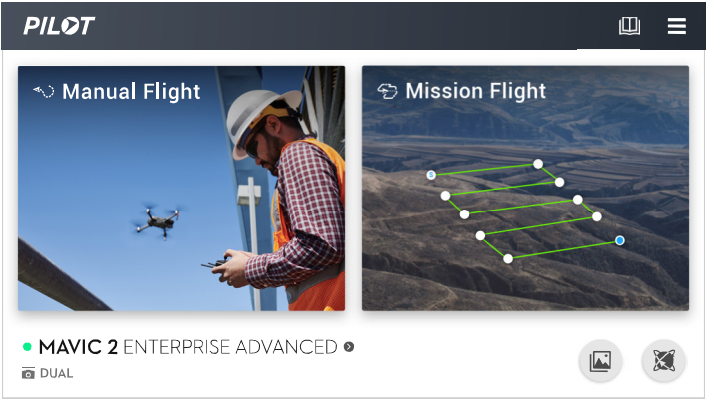


DJI Pilot App

DJI Pilot is specifically developed for enterprise users and offers two types of flight. Manual flight integrates a variety of professional features that make flying simple and intuitive. Mission flight supports flight planning, and allows users to control the drone automatically, making workflows much simpler and more efficient.



Manual Flight

Camera View

Enter the Camera View by tapping Manual Flight.



1. System Status Bar

 : indicates aircraft flight status and displays various warning prompts.

2. Obstacle Detection Status

 : red bars are displayed when obstacles are close to the aircraft. Orange bars are displayed when obstacles are within the detection range. Grey bars are displayed when there are no obstacles within the detection range.

3. Battery Level Indicator Bar

 : the battery level indicator provides a dynamic display of the battery level. The colored zones on the battery level indicator represent the power levels needed to carry out different functions.

4. Flight Mode

 : the text next to the icon indicates the current flight mode. Tap to configure the Flight Controller settings. These settings allow you to modify flight limits and set gain values.

5. DJI AirSense Status

 : displays information about nearby manned aircraft to ensure flight safety, including the distance between DJI aircraft and manned aircraft. DJI AirSense will instruct users to land if nearby aircraft are detected.



6. GPS Signal Strength

 : displays the current GPS signal strength. White bars indicate adequate GPS strength.

7. Vision Systems Status

 : displays the status for all Vision Systems. The green icon indicates the corresponding vision system is available while the red icon indicates it is unavailable. Tap the icon settings and enable or disable the features of the Vision Systems.

8. Remote Controller Signal

 : displays the strength of the remote controller signal. The icon will blink when interference is detected during flight. The interference will not affect operation or overall flight experience if there are no additional warning prompts.

9. HD Video Link Signal Strength

 : displays the strength of the HD video downlink connection between the aircraft and the remote controller. The icon will blink when interference is detected during flight. The interference will not affect operation or overall flight experience if there are no additional warning prompts.

10. Battery Settings

 **61%** : displays the current battery level. Tap to view the battery information, set the various battery warning prompt thresholds, and view the battery warning prompt history.

11. General Settings

●●● : tap to enter the General Settings to set units of measurement, enable or disable livestream, and more.

12. Display Mode

Tap to switch between the Visible, IR, and Split display modes.

Visible mode: only displays the footage that the visual camera captures.

IR mode: only displays the footage that the infrared thermal camera captures.

Split mode: displays the infrared and visual footage side by side. Spot meter and Area measurement are only available in IR mode.

13. Camera Settings

Tap to enter photo and video settings. Tap  to configure photo settings such as photo mode and image format. Tap  to configure video settings such as video size and format. Tap  to configure the video caption, grid lines, smart arm LED, temperature alerts, gain mode settings, and more.

14. Photo/Video Toggle

 : tap to switch between photo and video recording modes.

15. Gimbal Slider

 : displays the gimbal tilt angle.

16. Shutter/Record Button

 : tap to take a photo or record video. When recording a video, a shutter icon will display on the screen. Tap the icon to take a photo while recording a video.

17. Zoom Menu

a) Visible mode: tap or drag  to adjust the visual camera zoom rate.

b) IR mode: tap  to adjust the thermal camera zoom rate.

c) Split mode: tap  to adjust the zoom rate of the visual camera and thermal camera simultaneously. Users can also use the remote controller dial to zoom.

18. Album

 : tap to preview photos and videos as soon as they are captured.

19. Parameter Settings

 : tap to set exposure values.

20. Flight Telemetry

D 30 m : distance between the aircraft and the Home Point.

H 10.0 m : height from the Home Point.

HS 10.0 m/s : aircraft horizontal speed.

VS 2.0 m/s : aircraft vertical speed.

N 010° : orientation and angle of the aircraft.

 113.95, 22.54 Coordinate: longitude and latitude of the aircraft.

 10: 15 : remaining capacity or recording duration of the internal storage.

 12: 45 : remaining capacity or recording duration of the microSD card.

21. Map

Tap to view the map.

22. Time and GPS Information

Displays current date, time, and the longitude and latitude of the aircraft. Only available in Visible mode.

23. Accessory

Shows if an accessory is connected such as the beacon , spotlight  or speaker . Tap to set or use.

24. Gimbal Orientation Adjustment

 : tap to select the Gimbal Orientation Adjustment as Gimbal Recenter, Recenter Gimbal Yaw, Gimbal Yaw Downward or Gimbal Downward.

25. Back

 : tap to return to the main menu.

IR View



1. Palette

🎨: Mavic 2 Enterprise Advanced offers a variety of palette options. Distinct colors are used to show temperature differences in the thermal image, which are related to grayscale intensity. The temperature range of the image is mapped to 256 colors and displayed in 8-bit JPEG or MP4 format. The following table shows all palette options.

White Hot	
Fulgurite	
Iron Red	
Hot Iron	
Medical	
Arctic	
Rainbow 1	
Rainbow 2	
Tint	
Black Hot	

2. FFC Calibration

Tap this button to enable FFC calibration in IR Mode. FFC calibration is used to optimize image quality, during which the screen may freeze momentarily.

3. Temperature Measurement

Tap to enable the temperature measurement. Spot Meter and Area Measurement are available in IR mode. Close Area Measurement to exit temperature measurement.

- a) Spot Meter: the temperature of any position in an image can be measured. Refer to the Specifications for more information about measurement accuracy.

- b) Area Measurement: drag an area within the temperature measurement area on the screen. The average temperature, lowest temperature, highest temperature, and corresponding locations of this area will be displayed.

The temperature measurement accuracy is affected by various factors:

- a) Reflectivity of objects – shiny metals with high reflectivity will reflect more of the background radiation and result in lower accuracy, whereas objects with matte surfaces will produce a higher accuracy.
- b) Temperature of background radiation – sunlight has a great influence on the temperature measurement accuracy, direct or reflected sunlight should be avoided from the infrared thermal camera.
- c) Air temperature and humidity – the temperature and humidity have been calibrated before delivery, but some temperature measurement errors are inevitable. Extreme temperatures or humidity levels will affect the measurement accuracy.
- d) Distance between the camera and the object – the default distance used in calibration is 5 m, and the temperature measurement is most accurate at this distance. Deviations from this distance will lower the accuracy.
- e) Emissivity of objects – the emissivity of the object will affect the temperature measurement accuracy. Generally, accuracy increases proportionally to emissivity. Emissivity is affected by factors such as the material, the roughness or the degree of oxidation of the object's surface.



- When measuring a blackbody 5 m away in high gain mode at a windless 25°C indoors, the camera provides an accuracy of up to $\pm 2^{\circ}\text{C}$ or $\pm 2\%$ (whichever is the larger value). Since the emissivity of different objects varies, this measurement result only represents the accuracy of the tested blackbody, for reference only.
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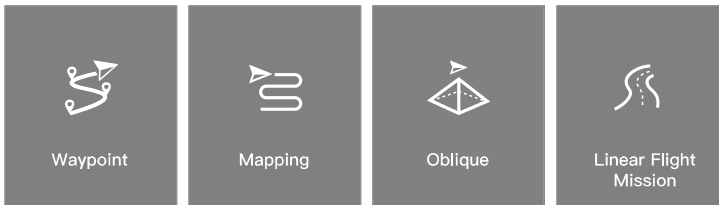
4. Visual Camera FOV

[]: the visual camera FOV range in IR mode. The FOV range will change if the zoom of the visual camera is adjusted.

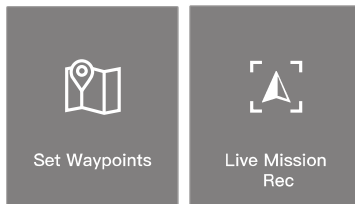
Mission Flight

Introduction

Tap to enter the mission library. View created flight routes or the most recent Waypoint flights, Mapping missions, or Oblique Photography missions. Mapping and Oblique Photography missions are generated using the app and Waypoint flights can be created by selecting Set Waypoints or Live Mission Recording.

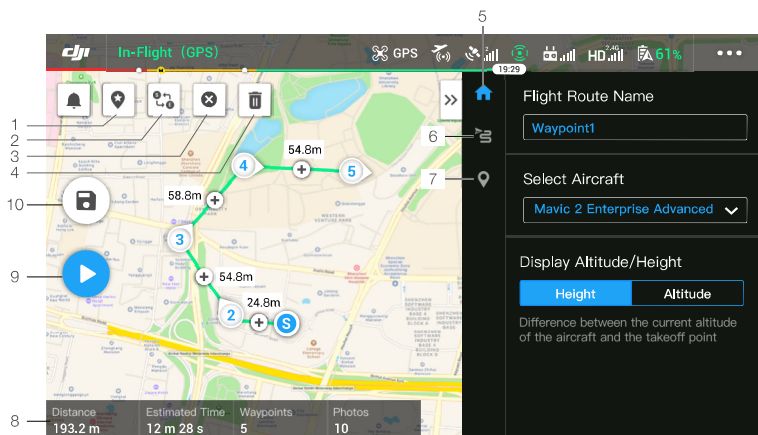


Use Set Waypoints to create a route by adding editable waypoints on the map. Use Live Mission Recording to create a route by recording the position information along the route.



Set Waypoints

Tap Create a Route, Waypoint Flight, and then Set Waypoints to create a new flight route and edit waypoints.



Tap on the map to add waypoints and configure route and waypoints settings.

1. Point of Interest (POI)

 : tap to enable POI. A POI will be displayed on the map and can be dragged to adjust the position. When POI is enabled, the yaw of the aircraft can be set to center on the POI so that the aircraft front points at the POI during the mission. Tap this icon again to disable POI.

2. Reverse Path

 : tap to swap the start and end points, which reverses the flight path. S refers to the start point.

3. Clear Waypoints

 : tap to clear all the added waypoints.

4. Delete Selected Waypoint

 : tap to delete the selected waypoint.

5. Parameters List

Edit the route name, set the aircraft type as Mavic 2 Enterprise Advanced, and configure the gimbal and camera.

6. Route Settings

Route settings are applied to the entire route including action upon completion, gimbal control, and aircraft speed, height, and yaw.

7. Waypoint Settings

Select a waypoint and set waypoint parameters. Tap < or > to switch to the previous or next

waypoint. The settings are applied to the selected waypoint including aircraft speed, height, yaw, longitude, latitude, and waypoint type and actions.

8. Mission Information

Displays the flight length, estimated flight time, waypoint quantity, photo quantity, longitude, and latitude.

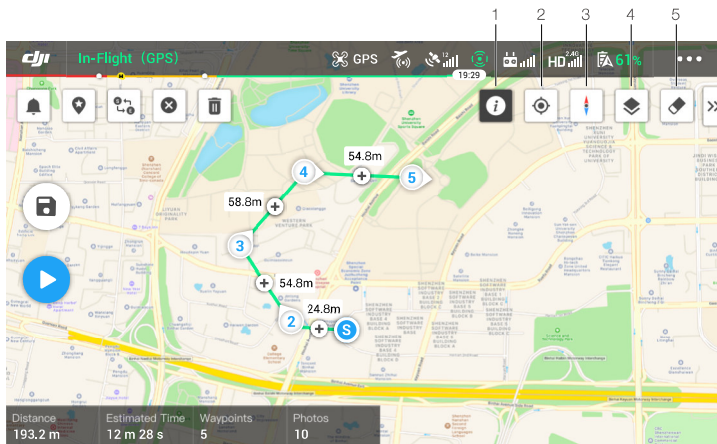
9. Perform

 : tap and check the settings and status of the aircraft in the pop-up checklist. Tap Start to Fly to perform the mission.

10. Save

 : tap to save current settings.

Waypoints Editing



Enter the mission library, select a created flight route, and tap  to edit the flight route.

1. Flight Restriction Information

 : tap to view the flight restriction information.

2. Location

 : tap to center the map around the location of the aircraft.

3. Map Lock

 : map rotation is locked by default with north at the top of the map. Tap to unlock rotation. Hold two fingers on the map and rotate to adjust the orientation.

4. Map Mode

 : tap to switch between Standard and Satellite modes.

5. Clear Screen

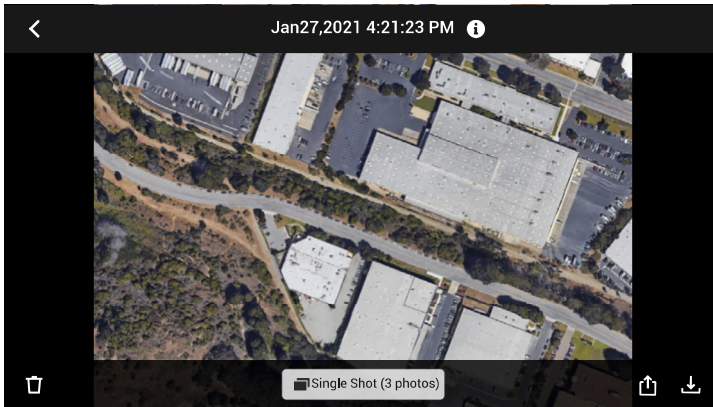
 : tap to clear the flight path currently shown on the map.

Live Mission Recording



1. Tap C1 to add a new waypoint.
2. Total number of waypoints.
3. Tap to enter the map for editing. Tap  to save current settings and a flight route is created.

Album



Tap to view photos or videos that can be saved to a mobile device.

When saving a photo or video, the format will vary depending on the display mode. Refer to the [Storing the Photos and Videos](#) section for more information. Tap  to switch between the footage of the photo or video.