

# AUTEL ROBOTICS Enterprise App User Guide

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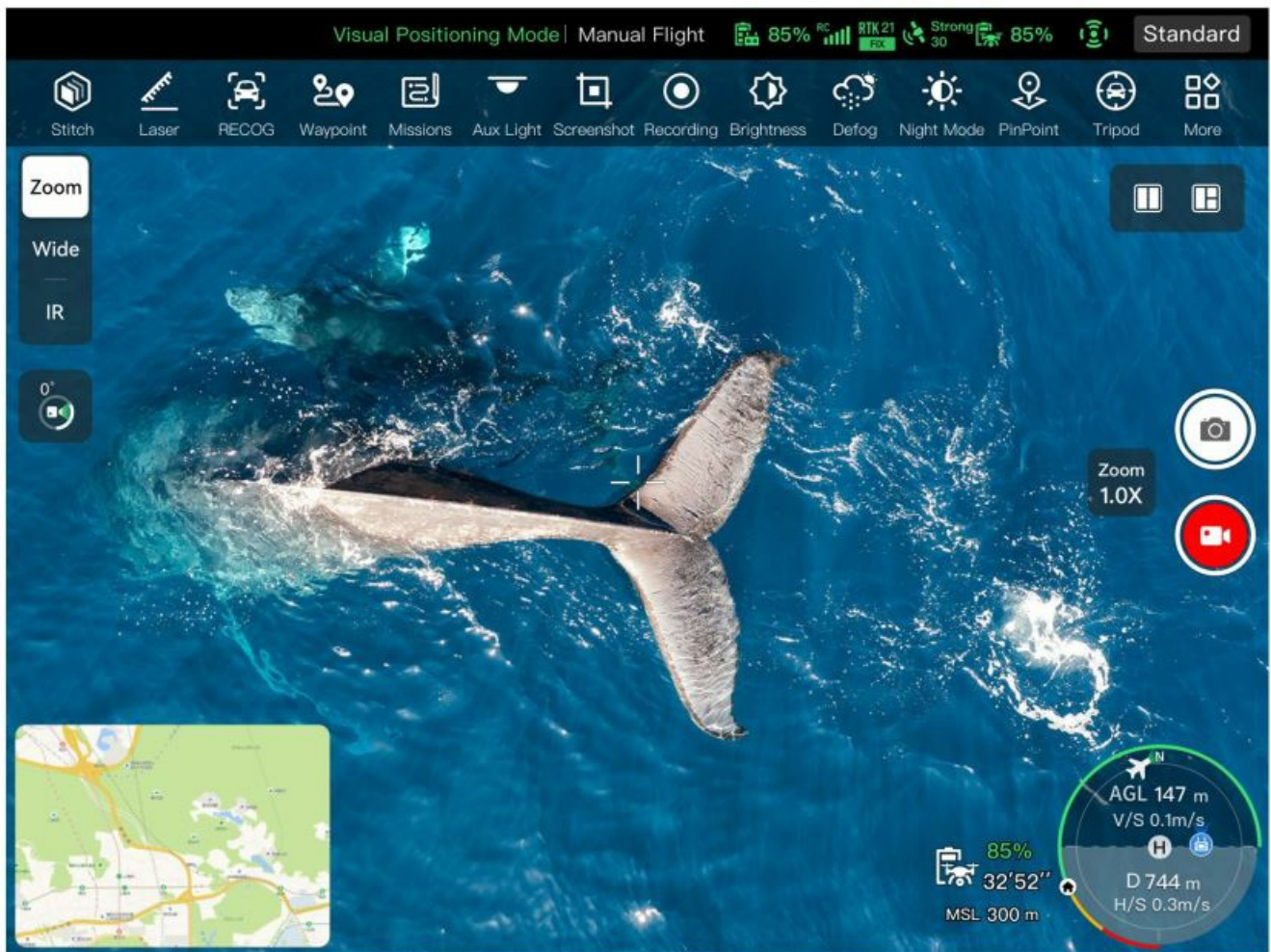


Fig 6-15 “Zoom Camera” Interface

### ■ Adjust the Zoom Factor

When shooting, click the "Zoom 1.0X" dynamic icon, and the zoom factor setting window will pop up. A maximum of 560x hybrid zoom is supported. You can drag up and down or click the number on the left to set the zoom factor according to your needs to zoom in and out on the shooting picture, so as to flexibly shoot objects at different distances.

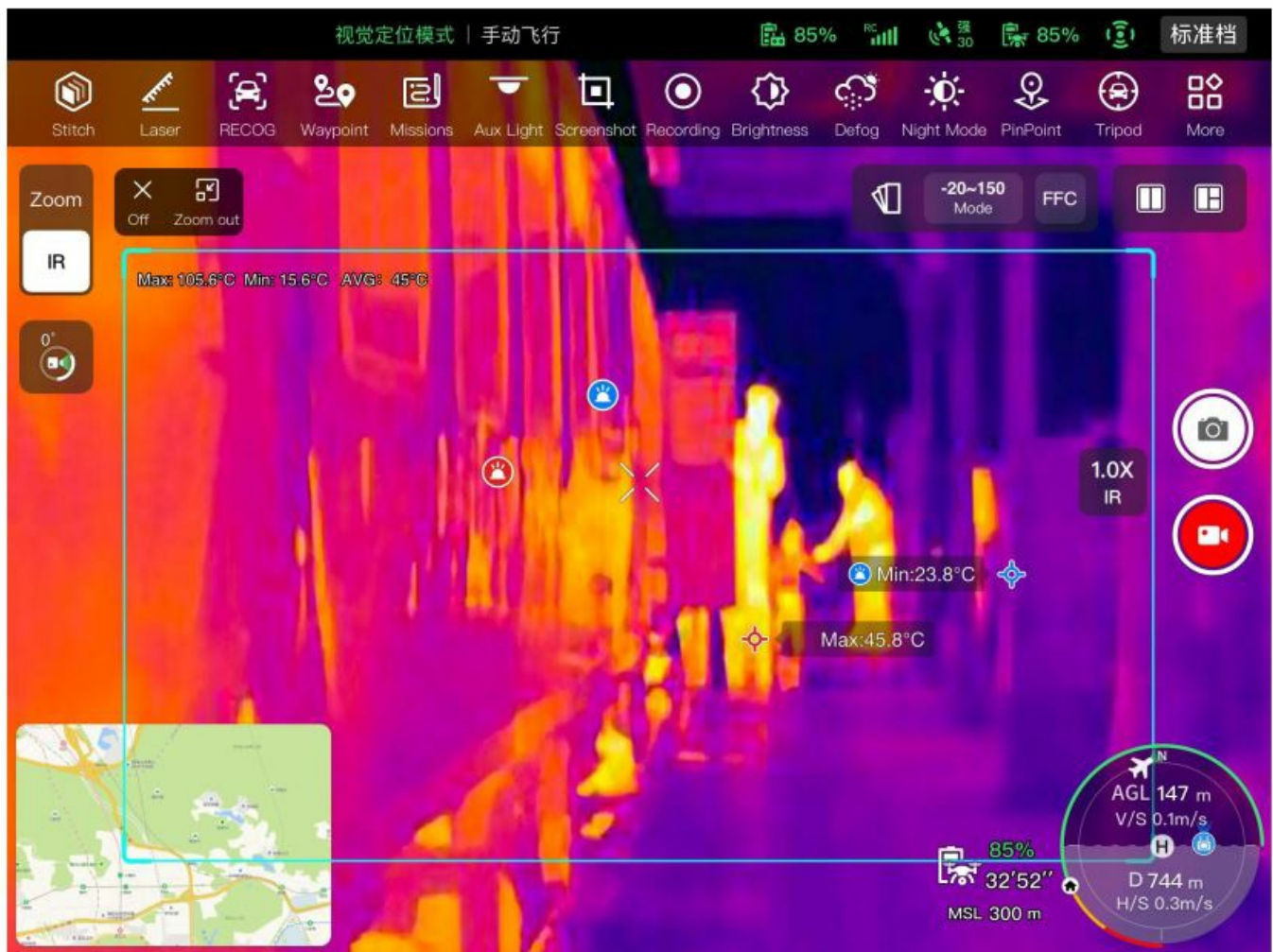
### ■ Camera Settings

Click the "📷" icon to enter the "Camera Settings" interface and perform relevant settings. For more information, see [“6.8.1 Camera Function Area”](#) in this chapter.

## 6.8.3 “Thermal Camera” Interface

On the main interface of the Autel Enterprise App, click the "📷" icon in the corner of the "Thermal Camera" preview interface, or click the "IR" icon after entering the "Zoom Camera" interface or "Wide Angle Camera" interface, to enter the "Thermal Camera" full-screen interface.





**Fig 6-16 “Thermal Camera” Interface**

**Table 6-9 “Thermal Camera” Interface Details**

No.	Icon	Meaning	Description
1		Thermal Color	Click this icon, and the drop-down list of “Thermal Color” pops up. You can scroll up and down in the list to select a color palette.
2		Radiometric Measurement Mode	High gain mode (-20°C to 150°C), which enables more accurate radiometric measurement.
3		Radiometric Measurement Mode	Low gain mode (0°C to 550°C), which has a larger radiometric measurement range.
4		FFC Calibration	Flat-Field Calibration. After calibration, the image quality of thermal imaging will be optimized, and temperature changes will be easier to observe.




**Warning**

While shooting, do not aim the infrared thermal imaging camera at strong energy sources such as the sun, lava, laser beams, and molten metal, to avoid damaging the infrared detector.

The temperature of the measured target should be within 600 °C. Over-temperature measurements can cause burns and damage to the infrared detector.

### ■ Set Thermal Color

After clicking the "" icon, you can scroll up and down in the pop-up drop-down list to select a color palette.

- After selection, the images from the thermal camera will be displayed in the color style of the selected color palette.

### ■ Set Infrared Shooting

Click the "" icon to enter the "Camera Settings" interface and perform relevant settings. For more information, see "[6.8.1 Camera Function Area](#)" in this chapter.

### ■ Set Radiometric Measurement Mode

Click the "" icon or the "" icon to switch between radiometric measurement modes.

- High gain mode (-20°C to 150°C): This mode has higher radiometric measurement accuracy but a smaller radiometric measurement range compared with the low gain mode.
- Low gain mode (0°C to 550°C): This mode has a larger radiometric measurement range but lower radiometric measurement accuracy compared with the high gain mode.

### ■ FFC Calibration


Click the "" icon to enable the FFC calibration function.



#### Note

- The radiometric measurement mode and FFC calibration functions can be used only after the infrared radiometric measurement function is enabled in the camera settings.

### ■ Adjust the Infrared Zoom Factor



While shooting, click the "" dynamic icon, and the infrared zoom factor setting window will pop up. You can drag up or down to zoom in or out on the picture captured by the thermal camera, so as to flexibly shoot objects at different distances.



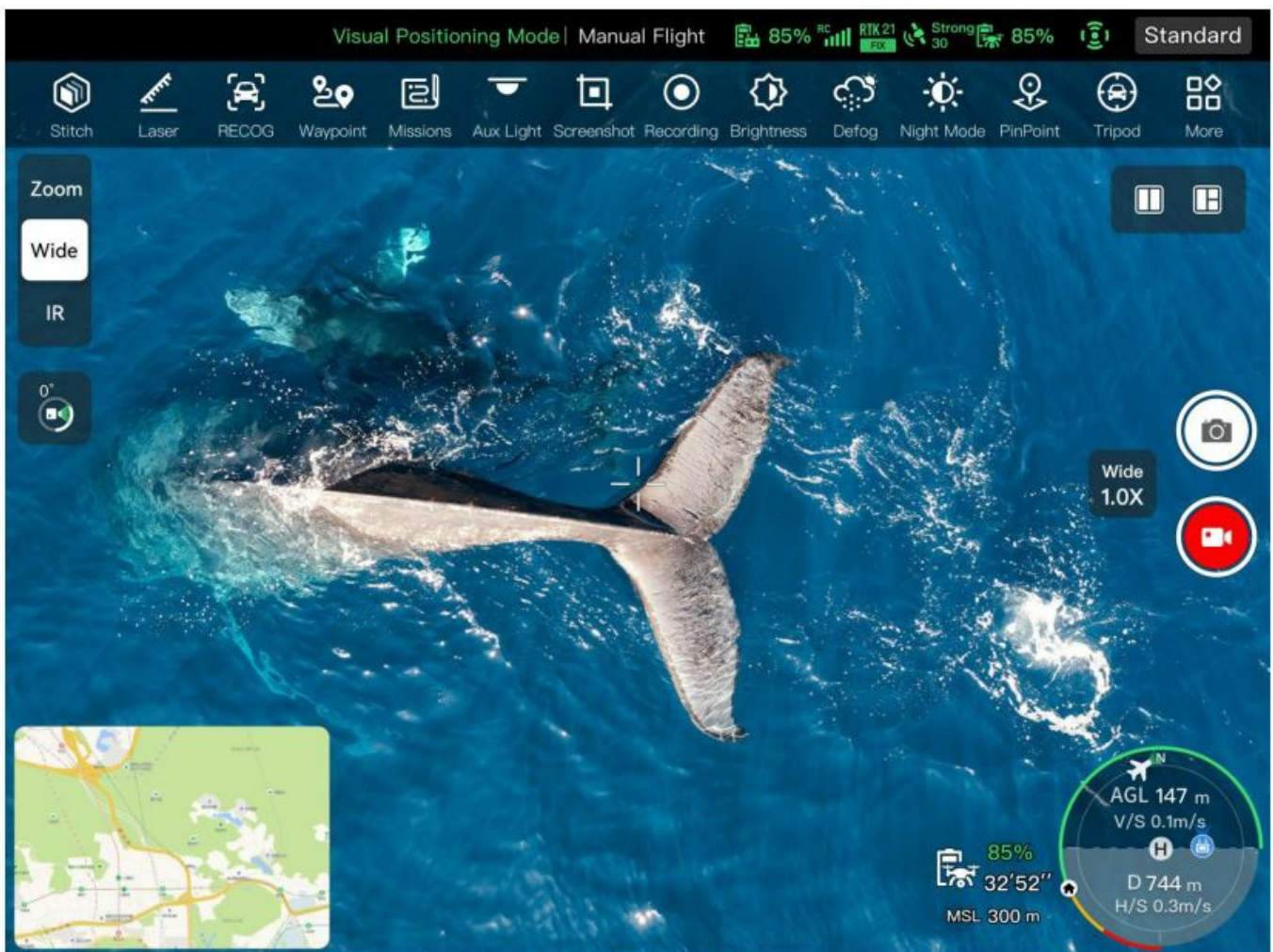
#### Tip

- The thermal camera of DG-L35T Gimbal support up to 16x digital zoom.

## 6.8.4 "Wide Angle Camera" Interface

On the main interface of the Autel Enterprise App, click the "" icon in the corner of the "Wide Angle Camera" preview interface, or click the "" icon after entering the "Zoom Camera" interface or "Thermal Camera" interface, to enter the "Wide Angle Camera" full-screen interface.





**Fig 6-17 "Wide Angle Camera" Interface**

### ■ Adjust the Wide Angle Zoom Factor

While shooting, click the "Wide 1.0X" dynamic icon, and the wide angle zoom factor setting window will pop up. A maximum of 16x digital zoom is supported. You can drag up or down to zoom in or out on the picture captured by the wide angle camera, so as to flexibly shoot objects at different distances.

### ■ Camera Settings

Click the "📷" icon to enter the "Camera Settings" interface and perform relevant settings. For more information, see ["6.8.1 Camera Function Area"](#) in this chapter.

## 6.9 Flight Missions

Flight missions are divided into waypoint missions, rectangle missions, and polygon missions in terms of type. You can click the corresponding icon in the shortcut toolbar or toolbox to enter the relevant mission editing interfaces.


### Important

If any of the following conditions are detected, the flight mission will end automatically, and the aircraft will perform other operations according to the following conditions:

Low battery power: A notification will pop up on the Autel Enterprise App to inform you that the aircraft will return to the home point automatically.

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References

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