

Eye Gimbal Manual

How To Start

1. Insert SD card into the camera (formatted to fat32)
2. Place the camera inside the bracket, secure it with screws and connect USB cable
3. Make sure that you are using Zenmuse X3 Mounting Plate on your drone
4. Rotate the Gimbal Lock to the unlocked position
5. Insert the EYE Gimbal connector into the Gimbal Lock on the drone
6. Rotate the Gimbal Lock to the locked position
7. Make sure that tilt motor is on the right side of the gimbal
8. Power up the drone to start
9. Power up RC
10. Connect phone/tablet to RC
11. Launch DJI GO app to check camera connection status
12. Wait until the camera is and properly initialized and paired (status sign must appear in place of No SD Card - see photos below) – don't use the DJI GO app until it's properly connected
13. Now you can use DJI GO app to change Flir settings

Gimbal must start with the drone for Bluetooth to work properly – must not be powered via USB before turning on the drone.

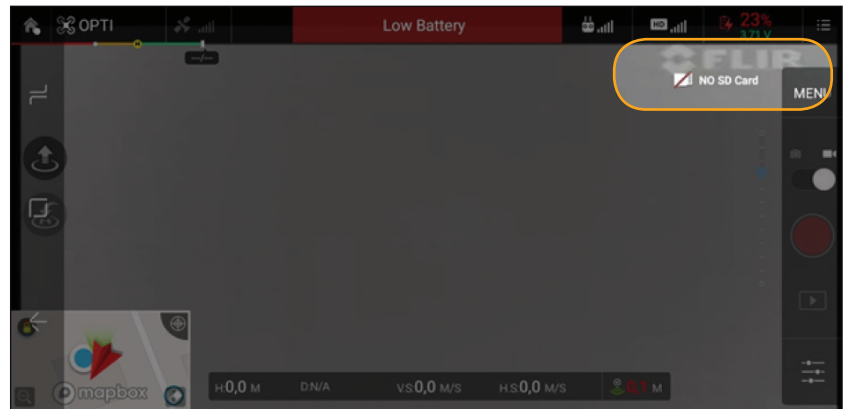
First time connection might take more time due to Bluetooth pairing process. It takes around 120 seconds for camera to initialize.

There must be only one FLIR camera turned on when Bluetooth is scanning surroundings.

In case of lost connection Bluetooth restart on the camera may be required.

Android

If camera is not initialized properly “**NO SD Card**” sign will appear:

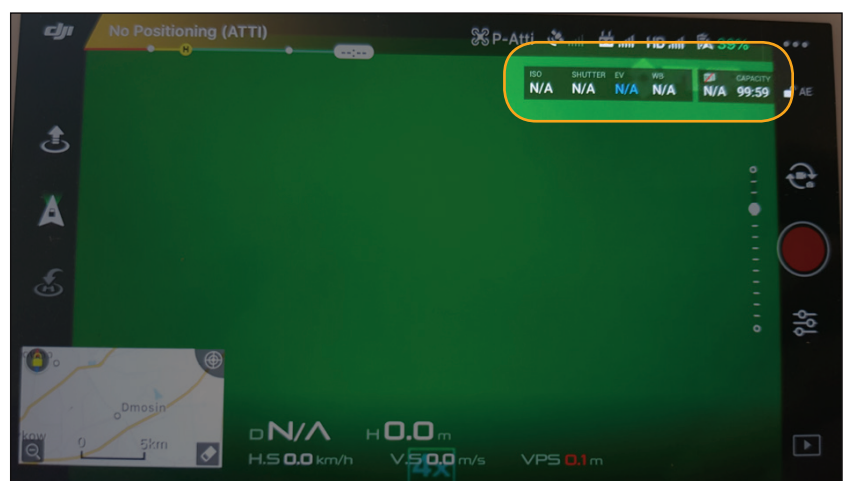


If camera is properly initialized, **status sign** will be visible:



iOS

If camera is not initialized properly “**N/A**” sign will appear:



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If camera is properly initialized, **status sign** will be visible:



Highlighted AE (top right corner) means that the camera is busy, e.g. some parameter is changing.



Settings:

COLOR:

DJIGO	FLIR
D-Log	InstAlert
D-Cinelike	Lava
None	WhiteHot
Art	BlackHot
Black White	Fusion
Vivid	GreenHot
Beach	Arctic
Dream	GreyRed
Clasic Nostalija	Ironbow

SSO:
Available under ISO settings.
It changes in steps of 15 points.

DJIGO ISO	FLIR SSO
100	0
3200	75

SCENE:

DJIGO	FLIR
Auto	Linear
Sunny	SeaOrSky
Cloudy	Outdoor
Incandescent	Indoor
Neon	Default
Custom	ROI_SET

DDE:
Available under Shutter settings.

DJIGO Shutter	FLIR DDE
8000	-19
2500	0
30	100

ROI:

Available under Scene → Custom settings.

DJIGO	FLIR ROI
2000k	33
10000k	100

ACE:

Available under EV settings.

DJIGO EV	FLIR ACE
-3.0	-8
0	0
3.0	8

FFC:

- To calibrate lens sensor simply press and hold for 1 second gimbal dial button.

Recording:

- There is a few seconds lag between pressing record button and camera reaction.
- To record video you need to press Record button on RC.
- Video format can be changed in Menu → Video → Video Format:
 - MOV – H264
 - MP4 – TIFF
- To take a photo you need to press Photo button on RC.
- Photo format can be changed in Menu → Photo → Image Format:
 - RAW - 8 bit JPEG
 - JPEG - JPEG
 - RAW - TIFF
- Estimated record time / photos left is visible on the status bar (top right corner).

Camera zoom:

- Activated by pinch in/out on the screen
- Works in x1; x2; x4

The Eye gimbal functions:

- Gimbal movement → tap and hold the screen for 1 second then slide in desired direction for Tilt and Pan movement
- Return gimbal to starting position → press play button on RC 1 time
- Disable follow mode → press play button on RC 2 times
- Enable follow mode → press play button on RC 3 times