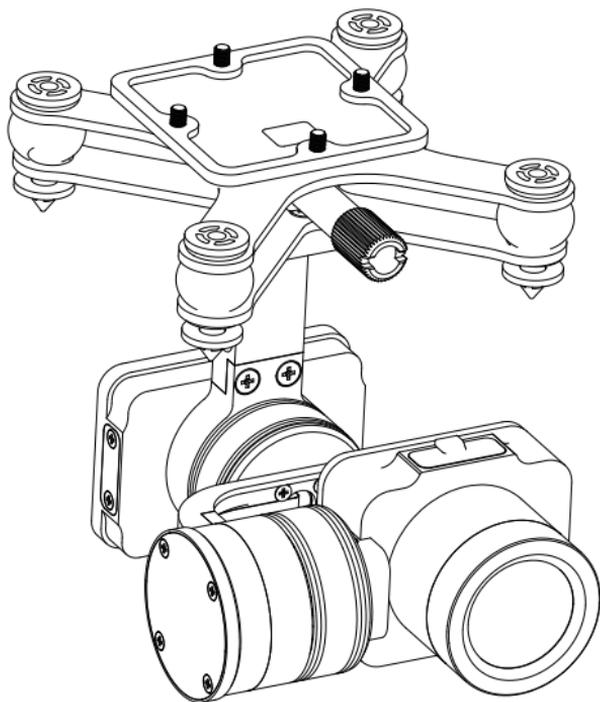


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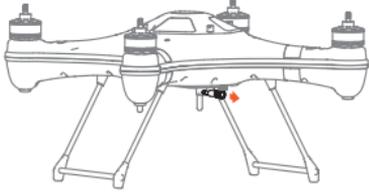
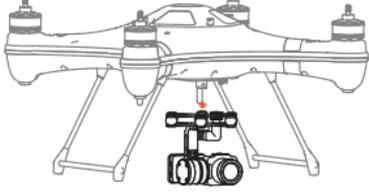
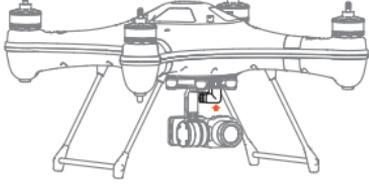
User manual of the 4K camera
waterproof gimbal



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1.Installation

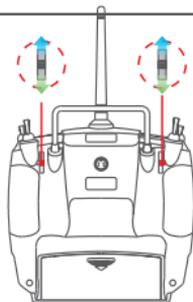
Graphical Representation	Description
	<p>1. Fix the quick release to the bottom of the body in the correct direction with the provided screws.</p>
	<p>2. Loosen the bolt at the bottom of the fuselage (if it is too tight, use a dollar coin or other tool).</p>
	<p>3. Insert the gimbal into the quick release parts and lock the bolt with the quick release bolt.</p>
	<p>4. Insert the cable connector in the correct direction and lock the waterproof nut.</p>

2. Operation

The operation method is consistent with the Splash drone 2 pan tilt control mode.

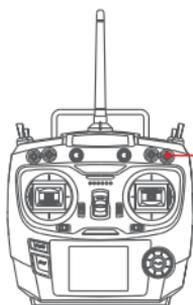
Gimbal Control

VRD slider controls the tilt angle of the camera



VRC slider controls the camera's horizontal angle

Camera Control



Photo



Preview



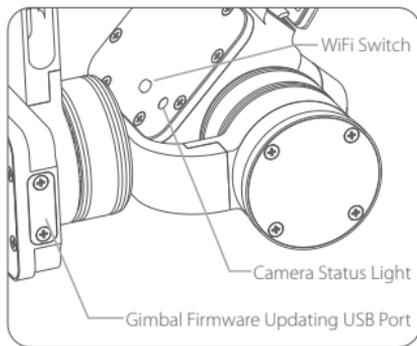
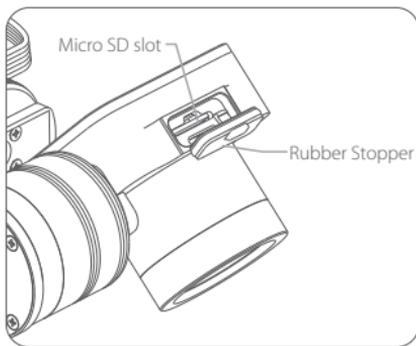
Video

3. Camera

Maximum support for 24 frames per second of 4K video. Its superior electronic image stabilization technology, combined with the design of high-precision waterproof mechanical Gimbal, it can guarantee the stability of the camera in high-speed movement, with loss less and real-time shooting of video and photos.

Install Micro SD card

1. Please open the soft rubber stopper at the top of the camera and insert the Micro SD card in the right direction.
2. Fasten the rubber stopper



WiFi Switch: Short press ON,
long press OFF.

-
-  Splash Drone 3 supports the highest capacity 64GB Micro SD card. Since the camera requires fast reads and writes of high bit stream video data, use Class 10 or UHS-1 and above Micro SD card to ensure normal camera recording.
 -  Do not insert or unplug the Micro SD card during the flight, otherwise the data file may be corrupted or lost.
 -  To ensure the stability of the camera system, the duration of a single video is limited to less than 15 minutes.
-

Camera settings and use

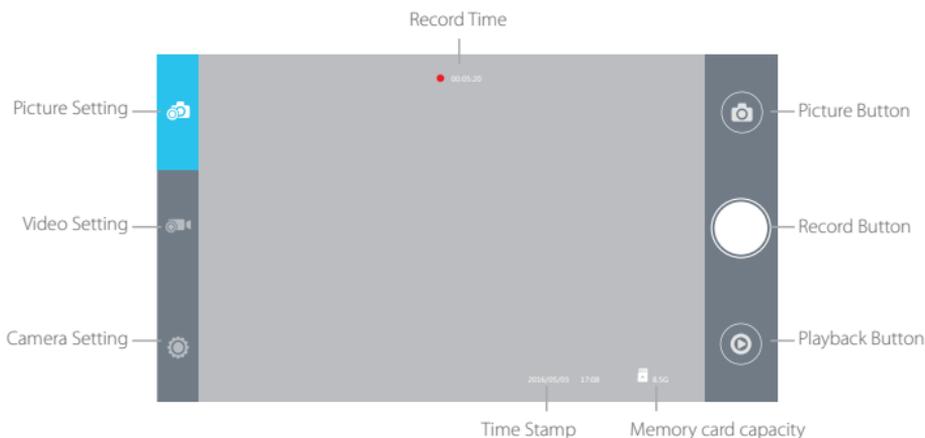
1. APP installation: iOS systems, for apple devices, please find the SwellCam APP in the apple store, and install the APP.

Android systems can download the APK installation on the www.swellpro.com site

2. Camera WIFI connection: Please Note, the WiFi is used for preflight setup purposes only, and must be disabled prior to take off.

Power on the drone, the camera will power on automatically, switch on the camera WIFI, the red indicator lights up indicating the camera is on. Open the WIFI on your phone, search for the name of SwellCam mobile devices, and request to connect, enter the initial password - 12345678, and connect.

3. Using the APP: Open the camera APP into the camera preview screen. On the APP, you can set the parameters of the camera and video, you can also control the camera for the taking of pictures or videos, and other related functions.



Please turn off the camera's WIFI switch before take off, so as not to interfere with the flight control or video transmission signals during flight.

Camera Setting

Picture Format JPEG RAW J+R

Picture Size 14M 10M 5M 14M_16: 9 10M_16: 9 5M_16: 9

Time Stamp OFF ON

Burst Speed OFF 3pics/second

Timer OFF 5seconds 10 seconds

Self-timer OFF 3seconds/pic 5seconds/pic 10seconds/pic 30seconds/pic

Record Setting

Resolution APP control: 1920*1080(P30 /P60) 1280*720(P30/P60)

Remote Control: 2880*2160 24p 2560*1440 30p

1920*1080(30/60p) 1280*720(30/60p)

Video Format MOV MP4

Time Stamp OFF ON



Note: APP and remote control camera recording video resolution is different, please select the best resolution according to your specific needs.

System Setting

Language English, Chinese

Picture Flip 180°Flip, OFF

Time Setting

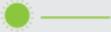
WIFI Password

ISO AUTO 100 200 400 800 1600

EV -2 -1.5 -1.0 -0.5 0 +0.5 +1.0 +1.5 +2.0

White Balance	AUTO, cloudy, sunny, Incandescent lamp, Fluorescent lamp
OSD	ON, OFF
Recording	ON, OFF
Video Format	PAL, NTSC
Metering	Global metering, Center-weighted, spot
Frequency	50Hz, 60Hz
Format	Sure, Cancel
Default Setting	Sure, Cancel

Camera Indicator

	Green ON	Power on into preview mode
	Green Slow Blink	Saving picture or video
	Red ON	WIFI ON
	Red OFF	Wifi Off

4. Gimbal Calibration

Camera gimbal accelerometer calibration

Accelerometer calibration is necessary if:

1. The camera lens isn't in horizontal location, when left at its default state.
2. This will display a tilted image.

Calibration Procedure:

1. Place the drone on the horizontal ground or desktop, power on the remote control, and power on the drone, and the gimbal is powered on.

2. Put the thumbwheel VRC at the back of the controller to the middle position. Using the thumbwheel (VRD) at the back of the controller, roll the thumbwheel quickly back and forth 5 times, until the gimbal goes into a relaxed state.

3. remove the camera gimbal, placed in the horizontal surface, ensure there is no vibration, and hold the camera to keep the level. Bring the left VRC down to the bottom for more than 1 second. At this point, the camera gimbal starts to calibrate itself. When the camera gimbal start working, release the camera and check if the gimbal works good or not. If it works well, the calibration is successful.

Gimbal GYRO calibration

Gyroscope calibration is necessary if:

1. When powering up the drone, the camera Gimbal is horizontal, but the image continually becomes tilted.

Calibration Procedure:

1.Place the drone on the horizontal ground or desktop, power on the remote controller.

2.Put the thumbwheel VRD at the back of the controller to the middle position. Using the thumbwheel (VRC) at the back of the controller, roll the thumbwheel quickly back and forth 5 times, until the gimbal goes into a relaxed state.

3.When the power is resumed to the camera gimbal, the calibration is completed.



When the camera is not at the horizontal position, please power off, the camera will return to balance state.



When doing calibration, the camera gimbal need to be placed on horizontal surface, no other vibration. If the problem is not solved after calibration, please power off and redo the calibration.



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