Born For FPV



User Manual &Set Guide v1.0

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Summary

CineLog25 will be available in three versions: CineLog25 HD PRO, CineLog25 HD Micro, CineLog25 Analog.

The most noteworthy feature of CineLog25 is the lightweight quadcopter that can be shoot video by GoPro Lite. It adopts the most popular backward push design on the FPV field at present. It can effectively use the thrust weight ratio of propeller to obtain higher flight efficiency. In the overall layout of the drone, we put VISTA HD in the center of the quadcopter, so that the center of gravity of the quadcopter is in the middle, The propeller Inlet is smoother and the noise is lower. Redesigned the shock absorption structure of the camera mount and GoPro Lite, Eliminated the jelly of the camera and FPV camera, and we can use 3, 4 and 5 damping rings according to the flight state to obtain the best stability in vibration and noise.

The F411-20A-F4 AIO and GEPRC NEW 1204 3750KV motors are used in flight system and power system. The power battery can be compatible with 450mah ~ 750mah.

The flight time of CineLog25 is around 5.5 minutes (it depends on the flying habits). The stable electronic equipment and advanced frame materials make the quadcopter stable and can achieve all FPV freestyle tricks easily. The customized EVA protective foam cushioning around the frame is more elastic and can effectively protect the fuselage while crash happening!



Feature

1.New camera damping system

The New camera damping system basically eliminates the video's jelly and FPV camera's vibration in terms of designing, The damping construction can be adjusted the harder or softer to suit the Flight State. There are Three, Four and Five damping rings can be used to provide sufficient stability in vibration and noise.

2.Brand-new exclusive pusher frame

The CineLog Whoop Quadcopter adopts a brand-new stunning pusher frame design, Including ultra-light carbon plate and new material, strength increases by 20%, efficiency increased by 15%

3.Low noise optimization

Cinelog Whoop Quadcopter Increases the Air Inlet volume and it with the EVA foam cushioning,Reduce the Airflow Resistance in order to create extremely low flight noise and greater reduction of noise from external vibrations

4.Long range flight

High efficiency power matching, The latest GEP 1204 motor power output scheme and Brilliant Tune have further Improved the flight time

5.Low center of gravity design

The CADDX VISTA was placed at the bottom, Optimized Design for the Air Inlet Structure. It's a point of the greatest importance is a low center of gravity "pusher-style" inverted frame, increased efficiency at least 15%

6.Perfectly Compatible with most of mainstream cameras

Compatible with SMO 4K, Gopro6 lite and Gopro8 Lite (coming soon), etc...

7. Using DJI HD Goggles

Vista

10.Optimized bot Nebula Pro (120 FPS HD camera, 28ms low delay flight)

8.Adjustable lens angle

The flight angle of 0-40 degrees can be adjusted according to the flight requirements, The camera's angle can be adjusted to meet your variety of Shooting needs

9.With EVA foam cushioning

Integrated EVA design, the overall shape look more coordinated, better strength.tom design The bottom part increases the strength of landing and perfectly protects all electronic equipment

11.Camera power line output

With its own power cable output to the camera (Gopro6 & Gopro8), It has its own Video Recording Wire,The camera can be turned off or on directly Via Remote controller



Specifications:

Item	Cinelog25
Brand	GEPRC
Frame	GEP-CL25
Motor to motor	109mm
System	GEP-20A-F4
MCU	STM32F411
IMU	MPU6000(SPI)
OSD	BetaFlight OSD w/AT7456E chip
ESC	BLheliS 20A
VTX	Caddx Vista/5.8G 500mW VTX
Camera	Caddx Nebula Pro/Caddx Nebula Micro/Caddx Nano EOS2
Propellers	GEMFAN D63-5
Motor	GR1204 3750KV
CineLog25HD Weight	125.6g (weight without batteries)
CineLog25Analog Weight	111.1g (weight without batteries)
Battery	Recommend LIPO 4s 650mah-750mah Battery



Warranty policy

- Any electronic product has its limitations. Our Drones has been strictly tested and inspected.
- If you have any problems, please cooperate with our engineers to figure out solutions.
- We also need to check the details of the product with the parts suppliers in order to have a better experience and quality.

Please trust our profession and service.

Support e-mail: support@geprc.com

In principle, GEPRC not responsible for the impact caused by drone operation or the lack of parts or functions caused by personal reasons.

We all willing to remain open and sincere.

One of our passions is helping new people find success in FPV hobby









Instagram 🞇

Instagram.com/geprc



geprc.com/support

GEP/R(





Install Bateflight

Install Driver

The driver must be installed before FC connect to the computer. MacOS and Linux systems will pre install the required drivers. Windows system need to manually install the driver.

Download address:

- -CP210x Drivers
- (https://www.silabs.com/products/development-tools/software/usb-to-uart-bridge-vcp-driv ers)
- -STM USB VCP Drivers
- (http://www.st.com/en/development-tools/stsw-stm32102.html)
- -Zadig (http://zadig.akeo.ie/)



Install Betaflight

Download address below:

https://github.com/betaflight/betaflight-configurator/releases



Enter the page, pull to the bottom and select the appropriate installation package to download

It should be noted that different computer systems need to download their own installation packages

- exe is windows system
- dmg is Mac system
- rpm&deb is Linux system
- apk is Android system



After the installation, open betaflight; then connect FC to the computer Via

USB cable, select the correct COM port (Ignore COM1) in the upper right corner of betaflight, and click on "Connect" to enter FC setting interface.





GEPRC

How to use betaflight via phone

- To use mobile betaflight to tune parameters, you need to download the mobile betaflight APP and purchase an OTG adapter. Use OTG cable to connect betaflight and FC. (Note: refresh FC firmware is unavailable in this way)
- The OTG adapter please refer to the right picture



• After installed betaflight, connect the mobile phone and FC with OTG adapter, and the FC indicator is on. Click on"Connect", and the betaflight settings page is as follows:

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Calibrate Magnetometer						
Move multirotor at least 360 degrees on all a you have 30 seconds to perform this task	axis of rotation,					
Reset Settings						
Restore settings to default						
Backup						
Restore						
Backup your configuration in case of an accident, CLI settings are not included - use the command 'diff all' in CLI for this.						
Heading: 5 deg Pitch: 1.3 deg Roll: -0.2 deg	7					



Bind with Air Unit

If you buy cinelog25 PNP (DJI receiver), You need to pair with DJI remote control and DJI Goggle ,The Cinelog25 HD is ready to fly.

The bind sequence must be DJI Goggle first, and then DJI remote control. If the bind sequence is wrong, Otherwise the Air Unit will disconnect from the remote control, The remote control should be rebind.

Note: in order to ensure safety, the propellers must be removed before frequency matching.



Bind with DJI Goggle

 Turn on the power of FPV Goggles and FPV Air Unit Module.Press the FPV Goggles binding button,the FPV Googles buzzer will make a continuous sound.Indicates entering the binding state.



 Press the FPV Air Unit Module binding button ,the indicator light changes from green to red.Indicates entering the binding state.



 The FPV Air Unit Module indicator light changes from red to green, indicating that the binding is successful.





Bind with Remote Controller

Turn on the power of FPV Remote Controller.At the same time,long press the REC,the custon key C and the right wheel button of the FPV Romote Controller,the Remote Controller buzzer will make a continuous sound and the indicator turns blue and flashes slowly. Indicates entering the binding state.)



Press the FPV Air Unit Module binding button,the indicator light changes from green to red.Indicates entering the binding state.



The Remote Controller indicator changes from blue to green, and the FPV Air Unit Module indicator light changes from red to green, the binding is successful.





Definition of DJI Remote Controller

- SA: ARM
- SB: MODES SWITCHING
- SC: BEEPER
- SD: GOPEO REC





ARM Switch

Two Required Conditions before Arm

- Low Throttle
- Arm Switch should be put into unlocking mode

When unlocking, the throttle must be pulled to the lowest position, otherwise, when the unlocking switch is turned, the motor will not have any action. If the buzzer is installed, a warning sound will be launch, indicating that the throttle lever is not in the lowest position.

When landing, when the height drops to about 30cm from the ground, it can be locked to complete the landing







Modes Switch

There are three Flight mode in CineLog 25 HD

- ARM
- ANGLE
- HORIZON



If you are novice, Recommend Angle Mode, Easy to control.

ARM

The main feature of Arm mode is that the FPV attitude will not keep horizontal automatically. Must rely on the pilot's fingers and experience to maintain balance, It can perform a series of difficult Freestyle movements.

FPV in Arm mode has great flexibility, but it is difficult for novices to control at the beginning.

ANGLE

The biggest feature of Angle mode is that when the stick returns to the middle position, the FPV will automatically return to the horizontal state and hover, which limits the tilt angle of the FPV. The Angle mode reduces the difficulty of operation and is friendly to novice.

HORIZON

The biggest difference between horizon mode and angle mode is that based on angle mode, horizon mode without angle limit. It can fly faster and more flexible than angle mode



BEEPER

The buzzer has been set in SC switch in Cinelog. Set the switch to the start gear, the FPV will emit a beep, It should be open when the FPV is lost, and search for the FPV according to the sound.





GOPRO REC

First, Connect MODE and FND of GOPRO



Second plug in GOPRO through the connector



Connect the Betaflight and fill in these orders below:

resource LED_STRIP 1 NONE

resource PINIO 1 A08

set pinio_box = 40,255,255,255

Save





When the flight control restarts, start the USE1 Mode in the Modes option, add range, and toggle the SD switch on the remote control, which will be mapped to Aux4. Range threshold to the second segment. preserve setup.

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Disconnect the betaflight and plug out USD, Plug in battery on CineLog

The definition of SD switch(Control the recording)

- Open the Recording $1 \rightarrow 2 \rightarrow 3$
- Close the Recording $3 \rightarrow 2 \rightarrow 1$
- Open the Recording $1 \rightarrow 2 \rightarrow 1$
- Close the Recording $1 \rightarrow 2 \rightarrow 1$

The Indicator Light is flashing slowly: Recording on

The Indicator Light is flashing three times: Recording off





OSD

In the OSD tab, you can select the data you need to see on the Goggle screen when flying. Use the element toggle on the left to enable and disable individual elements.

You can rearrange individual OSD elements on the screen by dragging the mouse over the screen

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GEPRC

Install the propellers

The propeller of FPV has two directions: clockwise (CW) and counter clockwise (CCW). A propeller has a front and a back. Front side up please.

Cinelog25 uses the reverse installation method.

During reverse installation, motors 2 and 3 rotate clockwise, while motors 1 and 4 rotate counterclockwise.





Install battery

Cinelog25 adopts the method of carrying the battery on the top and fixing it with a strap. Before fixing the battery, it's better to fix the power plug together in the strap, so as to avoid being cut down by the propeller and damaged during flight. In addition, the battery should not be placed too far forward or backward near the center of gravity of the FPV







Install GoPro

Here is instruction picture of the CineLog with GOPRO LITE, The Mount and Naked camera you should separately purchase.







The Essential inspection before flight.

Most of the time, the cause of FPV crash is not checked before takeoff. For the safety, we suggest that you should take a check before each flight. The steps are as follows:

1. Turn on the remote control and select the correct model; please confirm that the unlock switch is in the locked state and the throttle position is in the lowest position;

2. Please check if the appearance of FPV is damaged. If there is damage, please repair first, do not fly with damage;

3. Please confirm whether the propellers are installed correctly and check whether the propeller's steering is correct. Please confirm whether the motor screw is tightened. If it is not tightened, there is a risk of propeller shooting;

4. Check the battery voltage. In the fully charged state, 3S battery voltage should be 12.6V, 4S battery voltage should be 16.8v, 6S battery voltage should be 25.2v;

5. Check whether the battery is firmly fixed on the FPV by the strap and whether the battery's wire is fixed to avoid being cut by the propellers;

6. Observe the flight area to see if there are safety risks, such as someone entering the flight area, and observe the weather conditions to judge whether there are flight conditions;

7. Open your Goggle or FPV screen and check if there is a frequency conflict with you. If there is a conflict, do not power your FPV, so as not to interfere with others!

8. After connecting the battery, put the FPV on the ground and do not move it until three beeps are heard and the gyroscope is calibrated successfully;

9. Before taking off, unlock and rotate the propeller to observe whether the propeller will scratch the antenna or power line

10. It's finally the last step: Unlock and Arm your drone.

PS: if you choose to fly near the water source, please pay attention to safety. It is difficult to salvage the FPV when it falls into the water, and the FPV's Water falling is excluded on the Warranty Policy.



FPV Community Rule

We use the 5.8GHz analog image transmission, If many people fly together, the picture between each other will produce interference. There's nothing more troubling than FPV Clashing! Although Cinelog25 HD uses DJI Digital signal with high anti-interference performance, It still uses 5.8GHz, which may cause interference to analog image transmission.

Plug in battery

Please don't connect battery while your friend is flying. Power on your drone is likely to cause interference to his picture transmission. all the pictures transmitting may be lose, there will be a risk of crash.

Flight & Landing

KEEP AN CERTAIN DISTANCE AWAY FROM THE OTHERS, Avoiding the Signal Disturbance.

VTX Power

When multiple people fly together, the frequency of each other must be well coordinated to ensure that no one will be disturbed. In general, 40-60mhz difference between image transmission frequencies is the most suitable.

A better way is to choose all R bands. There are eight R-band channels, which can accommodate eight people to fly together. At present, most image transmission systems support R-band.

VTX transmitting

The higher the transmission power of vtx, the greater the possibility of mutual interference. In the open area, 25 MW power is enough for flight. If you are flying alone, you can set any power.



PS

- TaoBao store: https://geprc.taobao.com/
- Official Website: https://geprc.com/
- DJI System Website: https://www.dji.com/cn/fpv?site=brandsite&from=nav
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bilibili.com/geprc



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