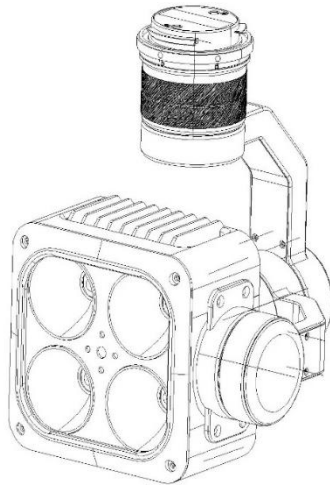


WINGSLAND Z15 Gimbal Spotlight

USER MANUAL V1.2

2019.07

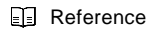
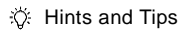
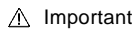
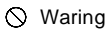


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Using This Manual

Legends



Down the DJI PILOT App

The DJI Pilot APP is required if using a mobile device connected to remote controller. Search for Scan the QR code or visit https://m.dji.net/djipilot_enterprise to download the app. DJI Pilot supports Android or later.



*For increased safety, the flight is restricted to height of 30m and distance of 50m when not connected or logged into the app during flight, including DJI Pilot and apps compatible with DJI aircraft.

Before Flight

1. Do not look directly at the spotlights;
2. Do not keep out the cooling air inlet and air outlet;
3. Do not interfere with the stability of the gimbal;
4. Do not touch the spotlight body at work, beware of high temperatures.
5. If mount on the M210 / M210RTK V2, please mounting the spotlight on gimbal position II, and mounting DJI camera on gimbal position I ;
6. Please try your best to avoid using the equipment for a long time in extreme environment to extend the service life of the equipment;
7. This product is high-power equipment with high energy consumption and serious heating. Please pay attention to safety when using it.;
8. It is normal for the gimbal to swing slightly or not level enough. It will return to normal after power on or posture synchronization;
9. DJI pilot will occasionally display abnormal phenomenon, restart the software can be solved;
10. If abnormal high frequency sound, vibration or shock occurs to the holder shaft, and over heat, please do not use it, and contact the after-sales to return to the factory for maintenance;



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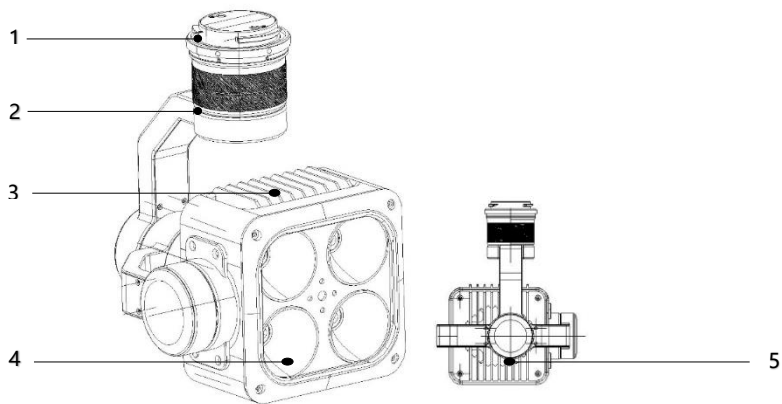
Product Profile

Introduction

WINGSLAND Z15 is a drone spotlight based on the DJI PAYLOAD SDK. It integrates a three-axis stabilized gimbal and can be directly mounted to the DJI payload interface. It support simultaneous movement of a PSDK payload and a DJI gimbal camera when they are used together. It can widely used in night lighting and indications such as fire, military and emergency rescue departments;

Spotlight Diagram

- 1 DJI SKYPORT
- 2 Gimbal motor
- 3 Vents
- 4 Reflective cup & LED
- 5 Cooling fan



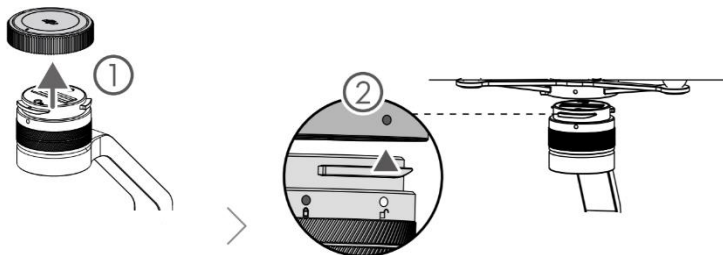
Mounting

Before mounting

1. Supported DJI aircraft: M200 V2 series; M200 series(update latest firmware to suportot the Simultaneous movement);
2. Make sure that all the devices' firmware is up-to-date;
3. Make sure the preflight checklists are normal;

Mounting the Gimbal and Spotlight

1. Press the Gimbal Detachment button to remove the cover; ;
2. Align the white and red dots and insert the gimbal;
3. Rotate the gimbal lock to locked position;



Controlling the Gimbal

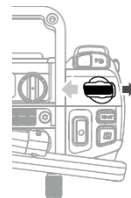
Using the Cendence

Left and Right Dial

The left dial controls the gimbal tilt



The right dial controls the gimbal pan




DJI PILOT APP

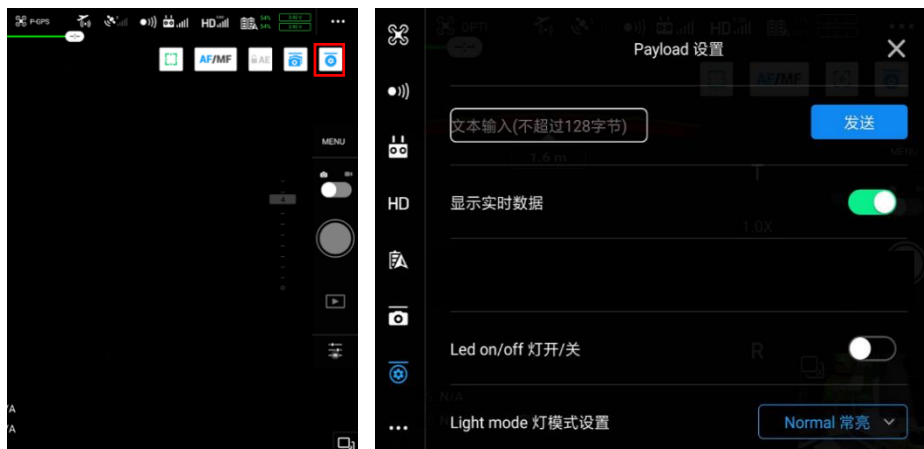
Connecting to DJI Pilot APP

1. Turn on the aircraft and remote controller.
2. Connect your mobile device to the remote controller via USB cable; When the connection is established, your mobile device will display “阿拉丁 Wingsland Z15 Spotlight” payload’s name.



Function list


After entering the DJI Pilot home page, click the icon  (in the upper right corner of the screen) to enter the spotlight control page

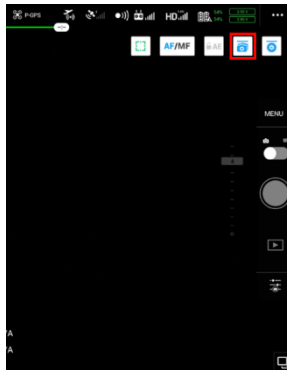


Spotlight's Setting

1. Floating message window: ON/OFF
2. LED on/off
3. Light mode: always light, Flashing, SOS

Simultaneous movement


After entering the DJI Pilot home page, click the icon  (in the upper right corner of the screen) to enter the spotlight control page

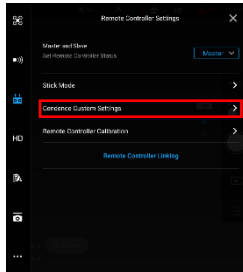


Simultaneous movement notes

1. Simultaneous movement with DJI gimbal camera; Supported DJI gimbal camera: X5S, Z30, X7 and XT2; don't support X4S;
2. Mount the spotlight on gimbal II , when use M210 or M210RTK;

Professional remote controller custom key Settings

After entering the Pilot home page, click the icon  in the upper right corner of the screen to enter the customized button setting of the professional remote control.



Appendix

Specification

| GENERAL | |
|---------------------------------|---|
| Dimensions | 100×110×150 mm |
| Weight | 500g |
| Total Power | 48W |
| LED | |
| LED part number | CREE XHP50.2 / Copper Plate Substrate |
| System Voltage | 6V |
| Power | 40W |
| Total Brightness | 10200lm |
| Reflective Cup | Silver PLATE |
| FOV | 15° |
| Working Distance | 150m |
| Irradiation Area | 1863m ² @flight altitude at 120m; 323m ² @flight altitude at 50m |
| Illuminance | 2.5LUX@ flight altitude at 120m; 13.4LUX@ flight altitude at 50m |
| GIMBAL | |
| Stabilization | 3-Axis |
| Angular Vibration Range | ±0.02° |
| Mount | Detachable |
| Controllable Range | Pitch : +90°to -90°, Yaw: ±160° |
| Max controllable Speed | Pitch : 60°/s, Yaw: 60°/s |
| Cooling system | |
| Heatsink | YES |
| Fan | YES |
| Internal protection temperature | 90°C |
| Temperature | |
| Operating Temperature | -10°C-50°C |
| Storage Temperature | -20°C-60°C |

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