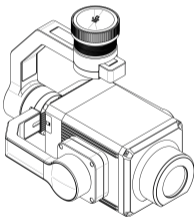


IR10 Infrared Laser Zoom Spotlight

User Manual V1.0

2021.01.08



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I . Introduction of Infrared Laser Zoom Spotlight

The product is suitable for criminal investigation, armed police, Marine police, squat and guard investigation, concealed evidence collection, national security, drug control, public security or border defence and other tasks.

It uses the DJI Skyport V2 universal adapter ring, no extra power, plug and play, perfect for DJI M300 RTK and M210 V2 UAVs.

II . Disclaimer and warning

Thank you for purchasing our products. The content mentioned in this article is related to your safety, legal right and responsibilities. Before using this product, please read this article carefully to ensure that the product has been set up correctly. Ignoring the instructions and warnings in this article to operate may cause harm to you and your friends, may also damage the product. The right to interpret this document and all related documents shall remain with us. All updates are subject to change without prior notice. Please visit www.gzczzn.com for the latest product information.

Cautions

1. IR10 belongs to the Class IV not visible laser. When the laser lamp is turned on, it is strictly prohibited to look directly at or observe the laser beam with optical instruments.

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2. In normal use, flammable objects are strictly prohibited within 100cm in front of the lens to prevent fire.
 3. In case of hardware problems, please return to the factory for maintenance, and do not disassemble without authorization, otherwise the adverse effects on the products will be borne by yourself.

NOTE

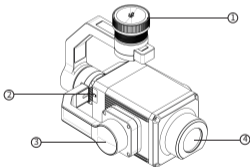
1. The IR10 is installed in the same way as other DJI payloads. Please verify that the adapter ring is installed correctly.
2. Before the drone takes off, the IR10's power and zoom Angle will be limited to less than 50%; Power and zoom Angle can reach 100% after take off.

III. The introduction of IR10

IR10 Infrared Laser Zoom Spotlight, It uses the latest fiber laser, emitting light power up to 12W, the maximum infrared supplementary light distance of 1000 meters. Cooperate with DJI H20/H20T and other PTZ cameras with night view mode (IR mode), the whole process can be clear filling light, the picture quality is transparent, with excellent smoke through the rain haze effect. The infrared light can not be detected by human eyes, which can realize covert detection beyond visual range.

III. The introduction of IR10

Through DJI SkyPortV2.0 interface, it can be directly mounted on DJI M200V2, M300RTK and other series of UAV for use, for reconnaissance, search and rescue, patrol inspection and other fields to provide users beyond the visual insight of the night. By using CZZN APP hover window +DJI Pilot APP, you can open the night view mode of DJI H20 or H20T with one click, control the switch, adjust zoom multiple, brightness and IR10 fine-tuning modes. And the IR10 can automatically follow the PTZ camera's rotation. The IR10 fuselage is fan-less and fully sealed, providing excellent waterproof and dustproof performance. It works reliably in harsh weather conditions and is the perfect partner for the DJI M300 RTK industry UAV.



- | | |
|----------------------------|---------------------|
| 1. Gimbal protection cover | 2. Memory card slot |
| 3. DJI xport Gimbal | 4. Light export |

Description of parameters

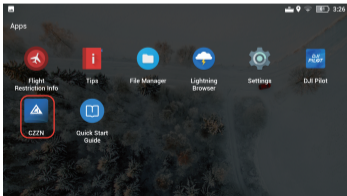
Model	IR10	
Electrical interface	DJI SKYPORT V2.0	
Size /mm	L186*W128*H158	
Weight /g	800±5	
Power /W	≤40	
Optical power /W	12±0.5	
FOV/°	0.56-45	
Light wavelength /nm	808	
Lighting distance /m	≥1000	
Safe distance /m	≥90	
Separate control Angle	Pitch Angle	-125°~+40°
	Horizontal	±320°
Gimbal I : IR10 Gimbal II : DJI H20T	Pitch Angle	-125°~+40°
	Horizontal	-25°~+45°
Gimbal I : DJI H20T Gimbal II : IR10	Pitch Angle	-125°~+40°
	Horizontal	-15°~+12°
Gimbal I : IR10 Gimbal II : DJI H20	Pitch Angle	-125°~+40°
	Horizontal	±45°
IGimbal I : DJI H20 Gimbal II : IR10	Pitch Angle	-125°~+40°
	Horizontal	±45°
Working temperature	-20°C~+50°C	

IV. How to use the CZZN software

1. Click on this button



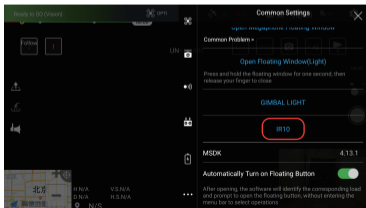
2. Click CZZN APP (The APP can be downloaded from the official website www.gzczzn.com)



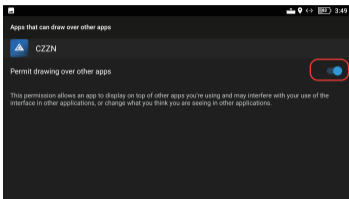
3. Enter the main interface of CZZN and click to enter the device (Steps 3-5 are required for the first use only)



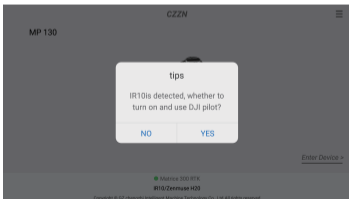
4. After entering the main interface, click General Settings, and click IR10 Floating Window.



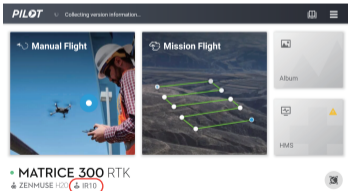
5. Click Allow to appear on other apps, then return to use



6. Click "Yes" to confirm



7. The typeface IR10 is displayed in the lower left corner, indicating that IR10 has been successfully identified. You can proceed to the next step.



8. Click the night view mode in the hover button, and DJI H20 or DJI H20T will call up the night view mode with one click. Gimbal 1 and Gimbal 2 synchronization effect.



9. Click the floating window to turn on the light button to adjust the zoom multiple and brightness.

Warning: Do not look directly at the light outlet before turning on the light



10. Adjust the spot to the appropriate size, use this button to merge the center of IR10 spot with the center of DJI H20 or DJI H20T and click Save. Maximum fine adjustment is $\pm 10^\circ$ per adjustment.



11. When observing the target, in case of over-exposure of the camera, you can slide the exposure button to adjust it.



V. To upgrade the firmware

To learn about IR10 firmware updates or to download the latest version of the firmware, please visit the CZZN website: www.gzcczn.com.

If IR10 cannot work properly due to the firmware update of UAV, please contact the local agent or manufacturer in time.

成至 技术支持

www.gzcczn.com

If you have any questions or suggestions about the instruction manual, please contact us via the following email: service@gzcczn.com

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