

2024
Reddot Winner





**- A starlight-grade CMOS sensor -
The Perfect Fusion of Ultra-clear
Night Vision and Outstanding Performance**



The DS371 night vision devices employ infrared imaging technology, featuring 4K video recording with sound, enabling clear 52MP image capture during the day, in low light, or at night. With 8x digital zoom and a starlight-grade CMOS sensor with infrared illumination, it ensures outstanding visibility and clarity.



The DS371 night vision devices employ infrared imaging technology, equipped with high-power infrared light, aiming to provide additional illumination support during nighttime. This infrared light can assist users in obtaining clearer vision in dark environments, enhancing their ability to observe targets.

Usage Recommendations:

Long-Distance Observation: When observing targets at a considerable distance, it is advisable to use the infrared light to obtain a clearer nighttime vision.



Key Features:

1. High-Power Infrared Light:

Capable of generating a powerful infrared beam. The concentration of light varies with the change of observation distance: the closer the distance, the more concentrated the light, resulting in a narrower observation range; the farther the distance, the more dispersed the light, resulting in a wider observation range.

2. Long-Distance Illumination:

It is recommended to use the infrared light at a distance beyond 50 meters to achieve optimal illumination and night vision experience.



The DS371 night vision device is equipped with a built-in tactical light, aiming to provide users with a versatile lighting solution. This tactical light not only offers reliable illumination support but also features a special strobe function, usable as a distress signal, providing users with additional safety measures during outdoor adventures and emergency situations.

Usage Scenarios:

1. Outdoor Exploration:

During nighttime outdoor exploration, the tactical light provides users with reliable illumination support, helping them safely navigate through complex terrain. Additionally, if users encounter emergencies such as getting lost or injured, the flashing mode of the tactical light can be used as a distress signal to attract the attention of nearby personnel and obtain timely assistance.

2. Emergency Situations:

In the event of accidents, such as getting lost or injured, the flashing mode of the tactical light can be used as a distress signal to attract the attention of nearby personnel and obtain assistance for users. Additionally, the tactical light can also serve as an emergency lighting tool, providing illumination support for users to quickly respond to emergency situations.

Key Features:

1. Multifunctional Lighting:

Our tactical light supports both steady and flashing modes, allowing users to adjust according to their needs to meet the illumination requirements of different scenarios.

2. Integrated Design:

Our tactical light seamlessly integrates with the night vision device, eliminating the need for additional installation and simplifying operation procedures, thus enhancing the overall portability of the product.

3. High-Performance Light Source:

Our tactical light adopts high-brightness LED light source, delivering stable and uniform illumination to ensure users have clear visibility during nighttime operations.

4. Distress Signal Function:

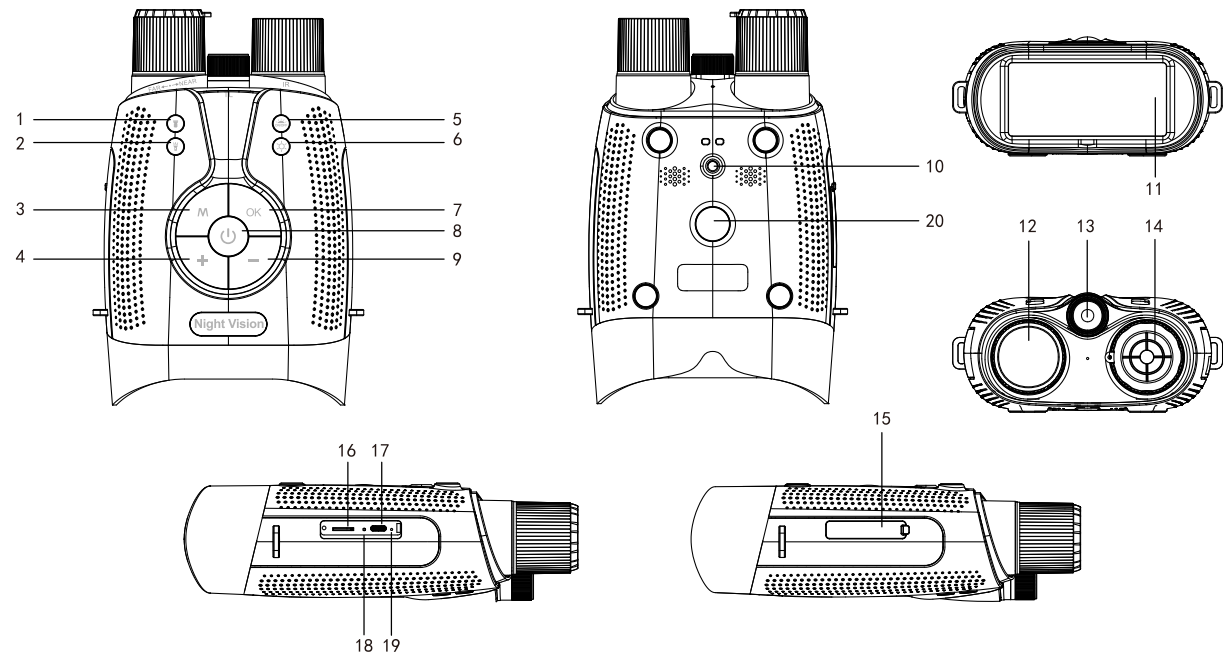
The flashing mode of our tactical light can be used as a distress signal to attract the attention of nearby personnel and obtain assistance during emergencies, providing users with additional safety assurance.



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Product Overview



The key operation functions are as follows:

1. Flashlight constant-on button

2. Flashlight burst mode button

3. Menu

4. IR Up/Zoom In/UP Button

5. Button light key

6. IR Mode

7. OK/Shot Button

8. Power/On/Off

9. IR Down/Zoom Out/Down Button

10. Fixed Bracket Hole
11. Display Screen

12. Infrared Emitter

13. Flashlight Tube Position

14. Lens

15. Charging Card Slot

16. TF card slot

17. Type-C port

18. Reset Button

19. Charging indicator light

20. Thermometer

Flashlight function

Remarks: This function can be used when the machine is not turned on.

Power On State	Lighting State	Function	Notes
Light	Constant Light Flashlight emits constant light at maximum power of 1W.	General illumination in low light and dark areas.	Turn off the light promptly when the flashlight is not in use to prevent excessive discharge.
Flash	Flashlight emits strobe light at power of 0.5W, with a frequency of 8Hz.	Attract attention and for tactical use.	Avoid shining the flashlight directly into your own eyes or others' eyes.

Quick start guide

 Power button

Default is video mode, short press to switch to photo capture or playback mode.

 Setting/ M

Short press to adjust settings.
(Note: Resetting to factory settings will restore firmware version parameters)

 +/- Key

Adjust focus in photo or video mode; adjust settings upward or downward; view images left or right in playback mode.

 Flashlight burst mode button

Short press the flashlight button to turn on the high beam mode, and short press again to turn it off.

 Flashlight constant-on button

Short press the flashlight button to switch on the high beam flashlight steady mode. Press the button again briefly to turn it off.

 Infrared light mode key

Adjust infrared light mode in photo or video mode based on night requirements, There are four adjustable levels for the infrared light mode.

 OK button

Select parameters to modify, short press OK key to confirm changes.

 Button light key

Tap to turn on/off button lights.

Reset Button

Hidden hole is located between the USB-C port and the TF card slot.

Charging Indicator Light

Hidden hole position, Located to the right of the Type-C port, in a small hole. The indicator light is red while charging and turns green when fully charged.

Operational Instructions

Photo Capture Mode

- 1. Default mode is video recording after power on. Short press "  " to switch to photo capture mode. Align the lens with the target, adjust the focus by observing the screen, and press " OK " to take a photo.
- 2. Long press "  " or "  " to zoom in or out. The zoom value is displayed on the screen. Adjust the lens focus by rotating it for clear imaging according to the screen display.
- 3. In low light or night conditions, press "  " to activate night mode. Short press to enter four levels of infrared mode for adjustment.

Video Recording Mode

- 1. Default mode is video recording after power on. Long press "  " or "  " to zoom in or out. The zoom value is displayed on the screen. Adjust focus by rotating the focus wheel for clear imaging according to the screen display.
- 2. In low light or night conditions, press the infrared light mode key to activate night mode. Short press to enter four levels of infrared mode for adjustment.
- 3. To record video, press " OK " to start recording. The recording duration will be displayed in the upper left corner of the screen. Press " OK " again to stop recording.

Playback Mode

- 1. Press the "  " power switch to switch to playback mode.
- 2. View images by tapping "  " or "  " to switch between browsing images and viewing video files.
- 3. When replaying a recorded video, press " OK " to to play the video, and press " OK " again to stop playback of the current video.
- 4. "  "is the file deletion option. Select the file or video to be deleted, press " OK " to confirm the deletion of the image or video; to exit playback, briefly press the power button to switch back to photo or video mode.

WIFI Mode

- 1. Briefly press "  " to enter the settings menu and enable WiFi mode. Press "  " again to return to the main screen.
- 2. Scan the QR code displayed on the main screen with your phone to download the app. Connect your phone to the WiFi (Name: DS371 CAM, Password: 12345678).
- 3. Open the app and click "Connect to Recorder" to experience the night vision feature on your phone. To disconnect, briefly press "  " to enter the settings menu and disable WiFi mode.



Note:

- 1. If there is no operation, the system will automatically shut down after 5 minutes by default. You can set the duration or disable this feature in the settings mode. When the memory is full, the device will automatically stop recording.
- 2. During video recording, if switching between infrared light mode and color mode, the current recording will end, and a new recording will automatically begin.

Setting menu and function description

After power on, tap "  " to set machine functions and parameters.

Brightness	Set the screen brightness. The default level is 6, with 8 levels available: 1, 2, 3, 4, 5, 6, 7, and 8.
WIFI	Disabled by default. To enable, connect to the phone via the app.



Date Stamp	Default on.
Date/Time	Enter the setting interface, short press " + " or " - " to enter date/time settings. " + " Button: for increasing the year/month/date/hour/minute/seconds " - " Button: for decreasing the year/month/date/hour/minute /seconds Press " OK " OK to confirm the year, then the system will automatically shift to the setting of the month etc.
Picture in Picture	Default off.
Loop Recording	Default off. When enabled, old files will be loop-deleted to record new files when the card is full. When disabled, recording will stop when the card is full. There are five options: OFF, 1 minute, 3 minutes, 5 minutes, and 10 minutes.
Audio Recording	Default on.
Resolution	To adjust the video resolution of the device, enter the settings interface, select video resolution, and briefly press " + " or " - " to choose the desired resolution. The available modes are 4K, 2K, and FHD.

Image Size	Choose the pixel resolution of photos. Enter the setting interface, select photo resolution, short press " OK " to confirm, short press " + " or " - " to choose from 52M/48M/42M/36M/32M/30M.
Auto Power Off	Set automatic shutdown time. Default is 5 minutes. Choose from 1 minutes, 3 minutes, 5 minutes, 10 minutes, and disable options. The machine will automatically shut down after 5 minutes of idle time to save power.
Frequency	The default is 60Hz, with options for 50Hz and 60Hz.
Language	Supports 12 language options including • Simplified Chinese • Traditional Chinese • Portuguese • English • Japanese • Korean • French • German • Italian • Spanish • Russian • Arabic
Beep Sound	Set the volume. Default is medium. Choose from low, medium, high and off.



Format	Format TF card, deleting all video, picture, and recording files.
Default	Restore default settings.
Version	Firmware version information.

How to Connect the Device to a Computer via Card Reader or USB Cable

Card reader

Remove the TF card from the device, then insert it into the card reader. Connect the card reader to the computer via USB.

USB-C wire

- 1. Turn off the device, insert the TF card into the device, connect the device to the computer via USB, and then turn it on again.
- 2. Open "My Computer" or Windows Explorer, open the TF card removable disk.
- 3. Open the disk and copy files from the storage card to the computer, desktop, or other disk for viewing.

Precautions

- 1. When turning on the flashlight, avoid shining it directly into your own eyes or others' eyes.
- 2. When the flashlight is not in use, promptly turn off the light to avoid excessive discharge and battery damage.
- 3. Do not apply excessive force to the product; do not clean the product with water or other chemicals, use a soft cloth to clean the product surface.
- 4. Do not expose the product to direct sunlight or place it in a heated environment; keep it away from high and low-temperature environments.
- 5. Avoid strong vibrations or impacts on the product; ensure safe placement to prevent accidental touch or falling for children.
- 6. Do not disassemble the device without authorization; contact the dealer for any questions; improper disassembly will void the warranty.
- 7. Changes in product performance and functions may occur without prior notice; if there is any inconsistency between the manual and the actual product, rely on the actual product.
- 8. Do not use the product in areas where the use of electronic devices is prohibited, such as on an airplane.
- 9. Battery Charging Notes:
 - The product battery uses a polymer lithium battery that can be recharged. Charge the product every 3 months if not in use for a long time.
 - The lithium battery must be replaced by customer service personnel; users cannot replace it themselves (Note: Incorrect battery replacement may cause explosion; only use the same type or equivalent type of battery for replacement); dispose of used batteries to professional organizations for recycling.
 - Charging: Use the included adapter for charging. During charging, the product will warm up, which is normal.



Specification parameters

Model	DS371
Display screen	3-inch screen
Lens	42mm, F/1.4 Large aperture
IR	4 levels of infrared setting
Functions	Recording, Photo Capture, Album Playback, Flashlight
Flashlight function	Constant Light at Maximum Power of 1W, Strobe at Maximum Power of 0.5W
Display Brightness	8 adjustable levels
Digital Zoom	8x digital zoom
Language	12 countries optional
Connection Interface	Type-C
Maximum Output	DC-5V/2A
Operating Buttons	9 function buttons
Storage Capacity	Max 512GB (TF card file system FAT32)
Charging interface	Type-c
Power supply	5000mAh lithium battery
Operating Temperature	-20° C - 60° C
Dimensions	153mm×220mm×68mm
Bare Machine Weight	905g

4K



NIGHT VISION



Night Vision User Manual

