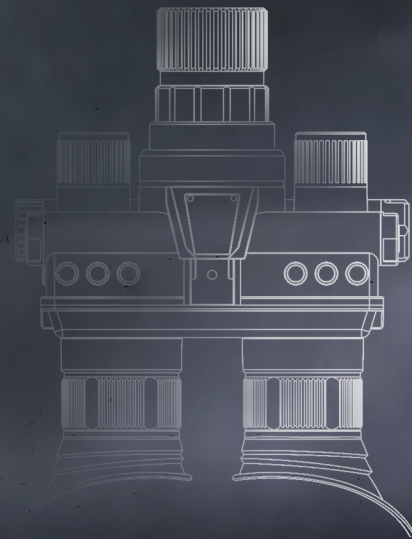4K

NIGHT VISION

Night Vision User Manual

4K

Night Vision

The Z9157 night vision is equipped with a versatile photography accessory: UV-CUT, designed to help users achieve clear and balanced photos and videos in various lighting conditions. The accessory is manufactured with high-quality silicone and filter glass materials to ensure stable and reliable product quality.

Product Features:
1、 High-Efficiency Exposure Control:
Utilizes precision-designed filter glass to effectively reduce light transmission, helping users control exposure and ensure photo quality.
2、 Easy Removal:
Designed for user-friendly operation, users can easily remove the lens filter to address low-light or no-exposure situations, allowing more light to enter.
3、 Durable Protection:
Constructed with a silicone frame for excellent shock resistance and durability, with a surface coated in a dirt-resistant layer to effectively prevent scratching and dirt accumulation.

Usage Scenarios:

Daytime and Nighttime Shooting:
Whether shooting during the day or at night, the lens filter provides reliable exposure control to ensure clarity and color reproduction in photos.
Shooting in Strong Light Conditions:
In strong light conditions, users can use the lens filter to effectively control exposure, preventing photos from being overexposed or underexposed.

The Z9157 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 Z9157 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,

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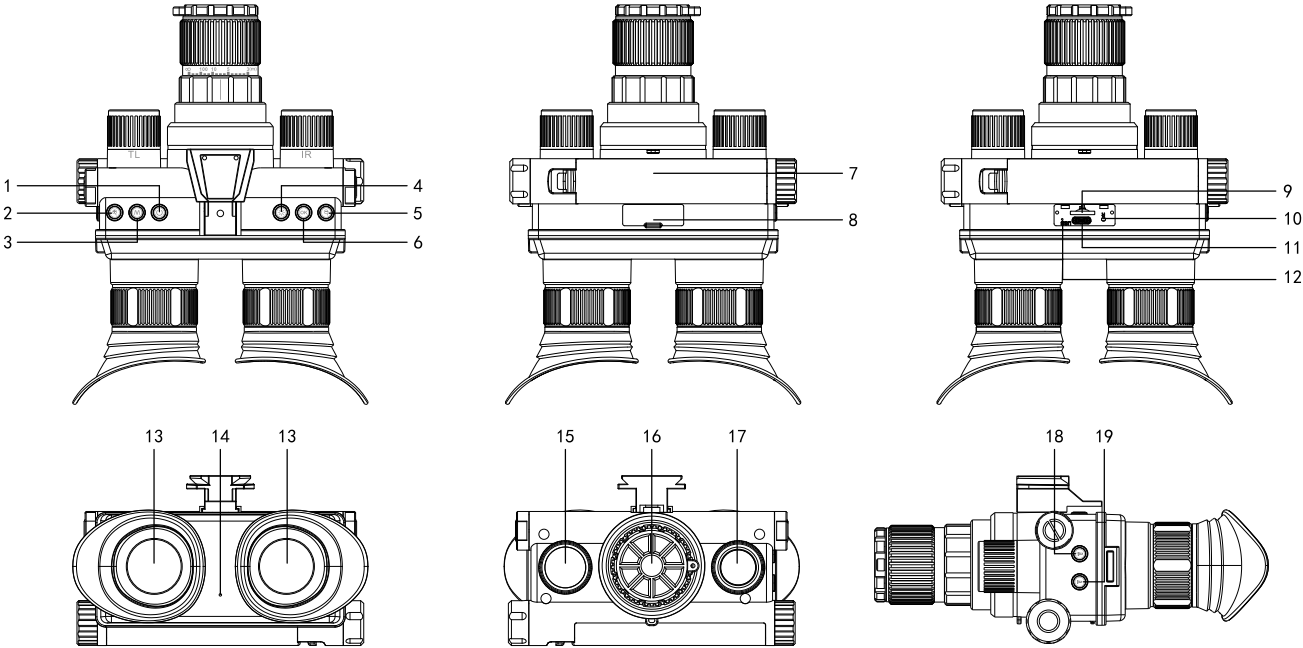4、 Distress Signal Function:
The flashing mode of our tactical light can be used as a distress signal to attract the attention of nearby personnel and obtain assistance during emergencies, providing users with additional safety assurance.

ILLUMINATIO

Contents

Product Overview

The key operation functions are as follows:

1. Power/On/Off
2. IR Up/Zoom In/UP Button
3. Menu/Button light key
4. IR Mode
5. IR Down/Zoom Out/Down Button
6. OK/Shot Button
7. Battery compartment
8. Charging Card Slot
9. TF card slot
10. Reset Button

11. Type-C port
12. Charging indicator light
13. Display Screen
14. Microphone
15. Infrared Emitter
16. Lens
17. Flashlight Tube Position
18. Flashlight constant-on button
19. Flashlight burst mode button

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 darkareas.	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

(M) Setting/ M

Short press to adjust settings; Press and hold the settings button to turn the key backlight on or off.
(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 constant-on button

Short press the flashlight constant-on button to activate the high-intensity constant-on mode, and press the button again to deactivate.

(🔦) Flashlight burst mode button

Short press the flashlight burst mode button to activate the high-intensity flashlight burst mode, and press the button again to deactivate.

(☀) Infrared light mode key

Adjust infrared light mode in photo or video mode based on night requirements.

(OK) OK button

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

(⏻) Power button

Long press to power on or off.Power on and enter video recording mode.
Short press to switch to photo capture or playback mode.

Reset Button

Hidden slot, small hole located to the right of the TYPE-C port.

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 three 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 three levels of infrared mode for adjustment.
3. To record video, press " OK " to start recording. The recording duration is displayed in the upper right corner of the screen. Press " OK " again to stop recording.

Note:

During recording, when the device enters screen protection mode, press any key to light up the screen. You can set the duration or disable it in the settings. When the memory is full, the device will automatically stop recording.

Playback Mode

1. Press the " ⏻ " power 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 play the video, and press " OK " again to stop playback of the current video.When playing a video, press the " 🔍 "button to rewind and the " 🔍 " button to fast forward. There are three speed settings: 2X, 4X, and 8X.
4. " Ⓜ "is the file deletion option. Select the file or video you want to delete, press " Ⓜ " , and press" OK "again to confirm the deletion of the picture or video;To exit playback, press " ⏻ " to switch back to photo or video mode.

Setting menu and function description

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

Video Resolution	Adjust the resolution of recorded videos. Enter the setting interface, select video resolution, short press " 🔍 " or " 🔍 " to choose from 4K, 1080P, 720P, and other modes.
Image Resolution	Choose the pixel resolution of photos. Enter the setting interface, select photo resolution, short press " OK " to confirm, short press " 🔍 " or " 🔍 " to choose from 40M/30M/25M/20M/10M/8M/5M/3M.
White balance	Choose white balance when taking photos. Enter the setting interface, select white balance, short press " OK " to confirm, short press " 🔍 " or " 🔍 " to choose from auto, daylight, cloudy, tungsten, and fluorescent modes.

Video Segments	Set the duration of each video segment. Enter the setting interface, select video segment, short press " (OK) " to confirm, short press " (⊕) " or " (⊖) " to choose from 5 minutes, 10 minutes, 15 minutes, and 30 minutes.
Audio recording	Default is enabled. When recording video, it will also record surrounding sounds. If you turn off the audio recording, the surrounding sounds will not be recorded.
Button Sound	Default is enabled. When pressed, there will be a prompt sound. The sound is turned off when you opt for off.
Volume Size	Set the speaker volume. Default is medium. Choose from off, low, medium, and high.
Date Tag	Default is enabled. Press the " (OK) " OK button to select on or off at your liking. Press the " (OK) " OK button to confirm, or press the " (⏻) " Mode switch to go back to the main setting menu.
Exposure compensation	Adjust exposure control. Choose from 3 / 2 / 1 / 0 / -1 / -2 / -3 exposure values. Press " (OK) " OK button to confirm, or press " (⏻) " Mode switch to go back to the main setting menu.

Auto Shutdown	Set automatic shutdown time. Default is 3 minutes. Choose from 3 minutes, 10 minutes, 30 minutes, and disable options. The machine will automatically shut down after 3 minutes of idle time to save power. Press " (OK) " OK button to confirm, or press " (⏻) " Mode switch to go back to the main setting menu.
Loop Recording	Default is enabled. When the card is full, it will cyclically delete old files and record new ones. When disabled, recording stops when the card is full.
Screen Saver	Default is disabled. Set automatic screen off time. Choose from 5 minutes, 10 minutes, 30 minutes, and disable options.
Screen Brightness	The default is level 3, with levels 1, 2, 3, 4, and 5 available.
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.

Language	Supports 10 language options including • Simplified Chinese • French • Traditional Chinese • German • English • Italian • Japanese • Spanish • Korean • Russian
Format Memory Card	Format the TF card to erase all videos, pictures, and other files.
Restore Factory Settings	Restore factory settings.
System Information	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. Three options will appear on the screen, indicating that the device is connected to the computer.
3. Select the first option, and the device will enter storage mode.
4. Open "My Computer" or Windows Explorer, open the TF card removable disk.
5. 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.
   • Once the indicator light displays cyan, it indicates that the product is fully charged.

Specification parameters

Product name   Z9157 Night Vision

Display screen   Built-in 1.28-inch AMOLED screen

Lens   25mm, F/1.0 Large aperture

IR   3 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

Digital Zoom   8x digital zoom

Language   10 countries optional

Connection Interface   High-Speed Micro USB 2.0

Maximum Output   DC-5V/2A

Operating Buttons   8 function buttons

Storage Capacity   Max 256GB (TF card file system FAT32)

Charging interface   Type-C

Power supply   3500mAh removable lithium battery

Operating Temperature -10° C - 55° C

Dimensions   145mm×193mm×74mm

Bare Machine Weight   360g

Night Vision
产 品 说 明 书

产品简介
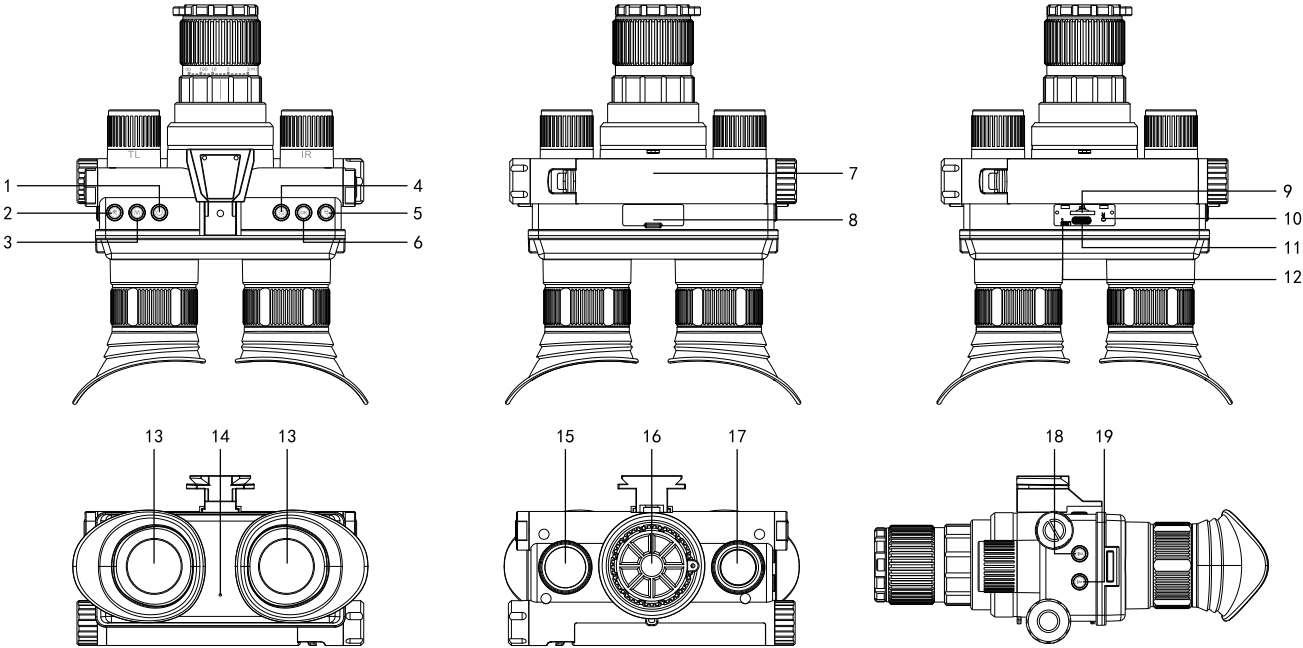
按键操作说明如下：

1. 电源键
2. +加档/向上键/放大
3. 功能设置键/按键灯
4. 红外灯模式键
5. −减档/向下键/缩小
6. 确认键/OK键
7. 电池位
8. 充电卡套口位
9. TF内存卡卡槽
10. 复位键
11. Type-C接口
12. 充电指示灯
13. 显示屏
14. 麦克风
15. 红外发射器
16. 镜头
17. 手电灯筒
18. 手电按键常亮灯光
19. 手电按键爆闪灯光

手电功能说明：

注：机器不开机的情况下也可以使用该功能照明

工作模式	使用状态	功能	备注
常亮	开启常亮模式时，手电以1W的最大功率提供常亮光。	一般黑夜和黑暗处提供小范围照明。	手电不需要时，请及时关闭灯光，以免过度放电。
爆闪	开启爆闪模式时，手电以0.5W的功率发出8HZ的闪光。	引起注意或其他战术使用情况。	请勿将手电灯光照射自己或直射他人的眼睛。

快入门指南

(M) 设置键

短按设置键可自行对设置及参数进行调节；长按设置键可开启/关闭按键灯
（注：恢复出厂设置是恢复出厂时固件版本参数）

(⊕)(⊖) +键 / –键

在拍照或录像模式下可进行加减调焦；在设置模式下可向上或向下调整设置参数，在回放模式下可左右查看图片。

手电常亮按键

短按手电常亮按键开启强光手电常亮模式，再次短按该按键可关闭。

手电爆闪按键

短按手电爆闪按键开启强光手电爆闪模式，再次短按该按键可关闭。

红外灯–模式键

根据夜间需求，可在拍照模式或者录像模式开启红外灯，有3档红外灯模式调节。

(OK) 确认键 / OK键

选中所需要修改参数，短按OK按键进行修改并确认。

(⏻) 电源键

长按电源键开机、关机。开机默认进入录像模式，短按可切换拍照模式、回放模式。

复位键

隐藏孔位，在TYPE–C接口的右边小孔。

操作说明

拍照模式

1. 开机后默认进入录像模式，短按" ⏻ "切换到拍照模式，如需拍照，镜头调整对准拍摄目标，通过屏幕观察，调整镜头焦距，按" OK "即可拍照。

2. 长按" ⊕ "或" ⊖ "可放大或缩小图像，缩放值显示在屏幕上，通过镜头转动调整镜头成像聚焦，以屏幕显示最清晰为准。

3. 若在夜间或光线暗的情况下使用，可按下" ✳ "开启夜间模式，再短按按键可进入红外三档模式，可自行调节。

录像模式

1. 开机默认录像模式，长按" ⊕ "或" ⊖ "可放大或缩小图像，缩放值显示在屏幕上；通过调焦轮转动调整聚焦，以屏幕显示清晰为准。

2. 若在夜间或光线暗的情况下使用，按下" ✳ "打开夜间模式，再短按进入红外模式，三档可自行调节。

3. 如需录像，按" OK "即可录像，录像时长显示在屏幕右上角，再次按下" OK "停止录像。

注：
录像时，当设备自动进入屏幕保护模式时，任意按下其中一个按键即可点亮屏幕，可在设置模式设置时长或关闭；当内存容量储存满时，机器会自动停止录像。

回放模式

1. 短按" ⏻ "切换至回放模式。

2. 查看图片，短按" ⊕ "或" ⊖ "切换浏览图片和查看视频文件。

3. 查看回放录像时，按下" OK "播放视频，再次按下" OK "停止播放当前视频。播放视频时，按下" ⊕ "键，可快退浏览，按下" ⊖ "键，可快进浏览，分别有2X、4X、8X三档速度调节。

4. " M "则是文件删除选项。选择需要删除的文件或视频，按下" M "，再次按下" OK "，确认删除该图片或视频；退出回放则按" ⏻ "切换回到拍照或录像模式。

设置菜单及功能说明

开机后，短按" M "，可对机器功能及参数进行相应的设置。

录像分辨率	对机器录像视频分辨率进行调整，进入设置界面，选择录像分辨率，短按" ⊕ "或" ⊖ "，可进行录像分辨率的选择。分别有4K、1080P、720P等三种模式可选择；
拍照分辨率	对照片像素进行选择，进入设置界面，选择拍照分辨率，短按" OK "确定，短按" ⊕ "或" ⊖ "可进行选择。分别有 40M/30M/25M/20M/10M/8M/5M/3M几种照片质量选择。
白平衡	对拍照时白平衡的选择，进入设置界面，选择白平衡，短按" OK " 可进行选择。分别有自动、日光、阴天、钨丝灯、荧光灯几种白平衡模式选择。

录像分段	设置每段视频的时长，进入设置界面，选择录像分段，短按" OK " 确定，短按" ⊕ "或" ⊖ "可进行选择。分别有5分钟、10分钟、15分钟、30分钟等几种模式可选择。
录音	默认开启，打开时录制视频时，同时会录制周围的声音；
按键声音	默认开启，打开时按下按键会有提示音。
音量大小	设置喇叭的播放音量，默认为中，分别有关闭、低、中和高等4种音量等级选择；
日期标签	默认开启
曝光补偿	调整曝光控制方式，分别有3/2/1/0/-1/-2/-3几种曝光值选择；
自动关机	设置自动关机时间，默认3分钟自动关机。有 3 分钟 、10 分钟、30 分钟和关闭选项设置。机器闲置3分钟后将自动关机，以便节省电量。
循环录影	默认开启，当卡满时，会循环删除旧文件，录制新文件；设置关闭时，当卡满时，会停止录像。

屏幕保护	默认关闭，可设置自动息屏时间，有 5 分钟 、10 分钟、30 分钟和关闭设置。
屏幕亮度	默认3档，分别有1、2、3、4、5档。
日期/时间	进入设置界面、短按" ⊕ "或" ⊖ "可进入日期/时间设置。
语言	支持10种语言选择。 · 简体中文　　　· 法语 · 繁体中文　　　· 德语 · 英语　　　　　· 意大利语 · 日语　　　　　· 西班牙语 · 韩语　　　　　· 俄语
格式化存储卡	格式化TF卡上所有的视频、图片等文件资料。
恢复出厂设置	恢复出厂设置
系统讯息	固件版本信息

如何通过读卡器或者USB线将机器连接到电脑（计算机）

读卡器
把 TF 卡从机器中取出，然后插入读卡器，将读卡器插入主机连接至电脑（计算机）即可。

USB-C 线
1. 将机器关机，把TF卡插入机器中，通过 USB-C 线将机器与电脑（计算机）相连接，再次开机。
2. 机器屏幕会出现三个选项，说明已经连接至电脑。
3. 选择第一个选项，机器会进入存储器模式。
4. 打开【我的电脑】或 Windows 资源管理器，打开TF卡可移动磁盘。
5. 打开磁盘，将文件从储存卡拷贝到电脑（计算机）中、桌面或是其他盘中，方可查看。

注意事项

1. 开启手电灯光时，请勿将手电灯光照射自己或直射他人的眼睛；

2. 手电不需要时，请及时关闭灯光，以免过度放电，导致电池损坏；

3. 请不要使用过大的力度挤压产品；请不要用水或其它化学试剂清洁产品，请用软布清洁产品表面；

4. 请不要将产品放在直射阳光下或置于火烤环境，请远离高温和低温环境；

5. 请不要剧烈震动或撞击产品；确保本产品放置安全，避免儿童触摸发生意外及跌落；

6. 请勿擅自拆卸本机，否则会失去保修的权利，如有任何疑问请与经销商联系；

7. 因为产品的性能和功能而发生的变化，将不另行通知，如发现说明书与实物不符，请以实物为准；

8. 不要在禁止使用电子设备的地区内使用该产品，比如在飞机上；

9. 电池充电注意事项：

 • 本产品电池采用的是聚合物锂电池, 可重复充电使用。

 • 长时间不使用时，请每隔 3 个月为产品充一次电。锂电池须由客服人员更换，用户不可自行更换（注意：如果电池更换不当会有爆炸危险，只能用同样类型或等效类型的电池来更换）；为保护环境，废弃电池请交给专业机构回收处理；

 • 充电：通过本机标配的适配器进行充电, 在充电的过程中, 产品有一定的升温, 属于正常现象；

 • 指示灯显示碧绿色，表示产品已完全充电。

产品规格

产品名称	Z9157手电夜视望远镜
显示屏	内置1.28寸AMOLED屏幕
镜头	25mm, f/1.0 镜头
红外灯	3档夜视红外滤镜
功能介绍	录像、拍照、相册回放、手电灯光
手电功能	常亮最大功率1W,爆闪最大功率0.5W
电子变焦	8级电子变焦
产品语言	10种
连接方式	高速Micro USB 2.0 接口
最大输出	DC-5V/2A
操作按钮	8位功能按键
容量储存	最大支持256GB(TF 卡文件系统 FAT32)
充电接口	Type-C
供电电源	3500mAh可拆卸锂电池
工作温度	-10°C - 55°C
外形尺寸	145mm×193mm×74mm
裸机重量	360g