



DISCOVERYOPT
REDEFINE PRECISION



app

INVISIBLE LASER RADIATION:

PEAK ENERGY<79.8nJ, PEAK POWER<1mW ,
WAVELENGTH:905nm, PULSE DURATION:20ns ,
CLASS 1 LASER PRODUCT IEC 60825-1:2014
Complies with 21 CFR 1040.10 and 1040.11 except for
deviations pursuant to Laser Notice No. 56, dated
May 8, 2019.




DISCOVERYOPT

INSTRUCTIONS

DISCOVERYOPT THERMAL IMAGER

MODEL: DTD219BC



Warning

- Damage caused by improper operation is not covered by the warranty. Do not place the battery near a heat source or open flames, and avoid direct sunlight.
- The device contains a built-in removable battery. Please use batteries of the correct specifications. Improper use may cause explosion hazard.
- After the battery is installed or removed, the battery compartment must be safely closed.
- If the device emits smoke, produces an odor, or makes unusual noises, immediately disconnect the power and contact the dealer or service center.
- Do not direct the laser of the device directly into the eyes to avoid potential eye injury. The laser of the device irradiates flammable objects at close range, which may cause fire hazards. Please maintain a certain safe distance during installation.
- Once the laser is turned on, do not aim it at glass, mirrors, or other highly reflective surfaces to avoid damaging the lens or sensor from reflected laser light.
- If the device is malfunctioning, please contact the store where the device was purchased or the nearest service center. Do not disassemble or modify the device in any way. (The company does not assume any responsibility for problems caused by unauthorized modifications or repairs).
- Do not store the battery in clothing or pants pockets, as static electricity may cause a short circuit. Please store and use the battery properly. (The company does not assume any responsibility for problems caused by improper storage and use of equipment and batteries).

Note

- Do not touch the lens directly. When the device is not in use, cover it with the dust cap to protect the lens.
- When cleaning the lens, use a dry soft cotton cloth or lens wiping paper to wipe the surface to avoid scratching the lens with hard objects.
- Battery usage recommendations:
 - The battery should be stored for a long time in a partially charged state (50% to 80%). Please charge at an ambient temperature of 0°C to 35°C (32°F to 95°F); otherwise the battery life will be greatly shortened. Using the battery at an ambient temperature below 0°C (32°F) may cause a decrease in battery capacity. This is normal and not a defect.
 - Using the battery at temperatures outside the range of -25°C to 50°C (-13°F to 122°F) may reduce the battery life.

FCC Warning Statement

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
- This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
- If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Product Introduction

The DTD219BC series thermal imaging devices are equipped with a highly sensitive 12 μm detector, offering resolutions up to 640 $\times$ 512. They feature multiple lens options with different focal lengths, an open 2.4-inch high-resolution AMOLED display (600 $\times$ 450), and an integrated laser rangefinder. These devices provide clear long-distance imaging even in harsh environments, including poor visibility or complete darkness, enabling users to identify obstacles and accurately measure the actual distance to the target.

In addition, you can easily connect to our mobile application for real-time viewing and sharing of findings. The DTD219BC series is specifically designed for a wide range of applications, including observation, rescue operations, hiking, and more.

Product Features

- Dual-use for Scouting and Aiming
- Quick-detach mount
- Ballistic Calculation
- Stepless Zoom Algorithm
- 2.4-inch AMOLED Display
- Laser Rangefinder with 1,000 m Range
- Built-in High-Speed 32GB eMMC Storage
- Compact Design
- Hotspot Tracking
- Convenient Battery Installation
- UVC Digital Video Real-Time Output
- Electronic Zoom
- Wi-Fi Image Transmission
- Photo/Video Capture and Playback

Performance parameters

Model	DTD219BC	Model	DTD219BC
sensor		Functions	
Type	Vanadium oxide uncooled	Pseudo color	White Hot, Black Hot, Red Hot, Iron Red
Resolution	256x192		
Pixel Size	12μm		
Spectral Range	8-14μm	Correction Modes	Auto Shutter, Manual Shutter, No Shutter, Scene Correction
NETD	≤ 30 mk@25°C,C, @F/1.0	Wi-Fi Transmission	2.4GHz,802.11 b/g
Frame Rate	50Hz	bluetooth	2.4g
Optics		System	
Focal Length	19mm/F1.0	Language	Simplified Chinese / English
Field of View	9.2°X7.0°	Storage Capacity	32 GB (approx. 28 GB usable)
Base Magnification	1.2X	Image/Video Format	JPG/.MP4
Electronic Zoom	1X-4X	Real-Time Image Output	UVC Digital Video
Focus Method	Manual		
Detection Distance		Power	
Human	897m	Battery	Single removable 18650/18500 battery
Rabbit	211m		
Display		Operating Time	
Type	2.4"AMOLED	Interface	Type-C 5V(USB)
Resolution	600X450	Physical Parameters	
Functions		Physical Parameters	
Laser Rangefinder	5-1200m(905nm)	Operating Temperature	-20°C ~ +60°C
Laser Pointer	Supported (red light)	Storage Temperature	-30°C ~ +70°C
Hotspot Tracking	Supported	Humidity	10% ~ 95%, non-condensing
Picture-in-Picture	Supported	Mechanical Shock	1000G
Photo/Video Playback	Supported	Protection Rating	IP66
Gyroscope	Supported	Weight (without battery or quick-detach device)	276g
Crosshair	Supported		
Ballistic Calculation	Precise/Simple/BDC/ Ballistic Record table		
Zeroing Method	Manual		
Scene Modes	General, High Contrast, Low Contrast	Dimensions (L × W × H)	85x75x81.5mm

Packing list



The Device



Cable



Charger



Mount



2 Batteries



Quick-detach Mount



2pcs Wrench

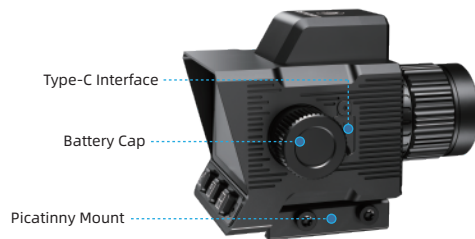


Handle

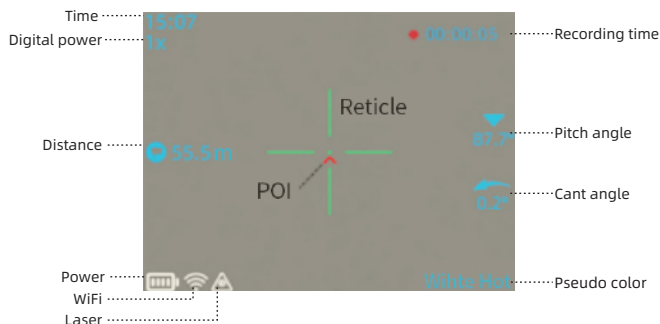


30MOA Base

Product component diagram



Main interface function introduction



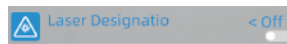
Main interface button function introduction

Button	Function	
Multi-function Dial	Short Press	Long Press
	Single ranging / Ballistic calculation	Enter menu
	rotate	
	Rotate Forward	Digital zoom in
	Rotate Backward	Digital zoom out
Button Name	Short Press	Long Press
Ranging Key	Single ranging / Ballistic calculation	Continuous ranging (On/Off)
Function Key	Picture-in-picture On/Off	Laser pointer On/Off
False color Key	Change false color	-
Power Key	-	Power On/Off / Screen off
Shutter Key	Take photo	Video recording (Start/Stop)

Note: Long-press the power button for 10 seconds to force shutdown.

Menu options

- ◆ **Laser indicator:** short press the knob to turn on/off the laser indicator.



- ◆ **False color:** Short press the knob to switch color modes (White Hot / Black Hot / Red Hot / Iron Red).



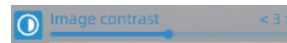
- ◆ **Scene mode:** Short press the knob to switch the scene usage mode (general/high contrast/low contrast).



- ◆ **Brightness:** Short press the knob to adjust the display brightness (1-5 levels)



- ◆ **Image contrast:** Short press the knob to adjust the contrast of the displayed infrared image (1-5 levels).



- ◆ **Picture-in-picture:** Short press the knob to turn on/off the picture-in-picture function. You can also choose the center of the picture-in-picture to be the center of the reticle or the impact point.



- ◆ **Hotspot tracking:** Short press the knob to turn on/off the hotspot tracking function.

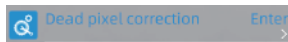


Menu options

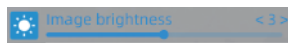
- ◆ **Image correction:** Short press the knob to switch the image correction mode (auto/background/no block)



- ◆ **Bad pixel correction:** Short press the knob to enter the blind pixel calibration interface. In the blind pixel calibration interface: scroll the knob to adjust the cursor, short press the knob to switch between X coordinate and Y coordinate, and long press the knob to exit.



- ◆ **Brightness:** Short press the knob to adjust the display brightness (1-5 levels).



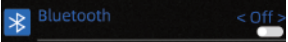
- ◆ **Language:**



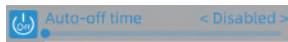
- ◆ **Wi-Fi hotspot:** short press the knob to turn on/off the Wi-Fi hotspot (Wi-Fi name: dtsDevice-xxxx [xxxx is the last 4 digits of the wireless physical address], password: 12345678).



- ◆ **Bluetooth:** short press the knob to turn on/off Bluetooth.

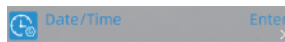
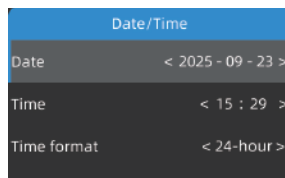


- ◆ **Shutdown time:** short press the knob to select the automatic shutdown time when the device is not operated (do not shut down/30 minutes/60 minutes/90 minutes/120 minutes).

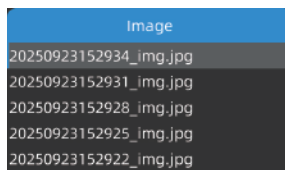


Menu options

- ◆ **Date/Time:** Short press the knob to enter the date and time setting interface, long press the knob to return to the previous menu, short press the power button to return to the main menu. Rotate the knob to change the cursor position, short press the knob to enter the function item where the cursor is located, the blue font lights up to indicate that it has entered the editing state. In the editing state: rotate the knob to adjust the value, short press the knob to switch sub-items, long press the knob to exit the editing state.

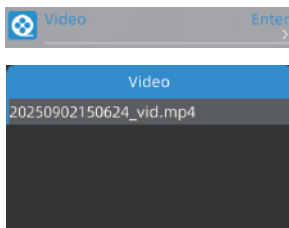


- ◆ **Photo:** Short press the knob to enter the photo preview interface, long press the knob to return to the previous menu, short press the power button to return to the main menu. Short press the knob to preview the photos stored in the device, rotate the knob change the cursor position, short press the knob to preview the currently selected photo, in the photo preview display interface, rotate the knob to switch to the previous or next photo, press the camera button to delete the current photo.



Menu options

- ◆ **Video:** Short press the knob to enter the video preview interface, long press the knob to return to the previous menu, short press the power button to return to the main menu. Short press the knob to preview the video stored in the device, rotate the knob to change the cursor position, short press the knob to preview the currently selected video, in the video preview display interface, short press the knob to play/pause the video, rotate the knob to switch to the previous or next video. Short press the camera button to delete the current video.



- ◆ **IMU calibration:** Short press the knob to perform IMU calibration (Note: the device needs to be placed flat on a horizontal surface).

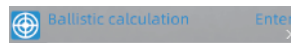


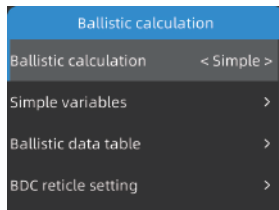
Menu options

- ◆ **Reticle:** Short press the knob to enter the reticle configuration interface, long press the knob to return to the previous menu, short press the power button to return to the main menu. You can configure labels, patterns, distances, horizontal offsets (X coordinates), vertical offsets (Y coordinates), colors (colors), lines (thickness), rotate the knob to change the cursor position, short press the knob to enter the function item where the cursor is located, and the blue font lights up to indicate that you have entered the editing state. In the editing state: scroll the knob to adjust the value, short press the knob to exit the editing state, short press the camera key to zoom the image, and long press the camera key to freeze the screen. Note: Each group of labels is an independent parameter.

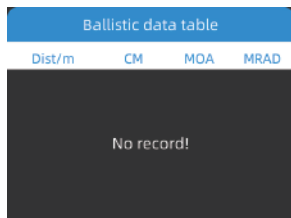


- ◆ **Ballistic calculation:** Short press the knob to enter the ballistic calculation interface, rotate the knob to change the cursor position, short press the knob to enter the function item where the cursor is located, long press the knob to return to the previous menu, short press the power button to return to the main menu.

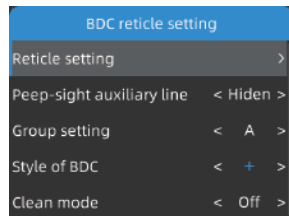
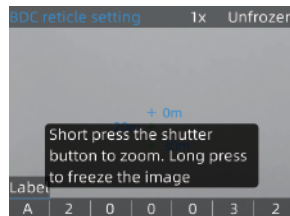




- ◆ **Ballistic record table:** You can customize the input of various ballistic parameters (distance, bullet drop point, etc.), short press the camera button to add a record, long press the camera button to delete the current item, rotate the knob to change the cursor position, short press the knob to enter the function item where the cursor is located, and the blue font lights up to enter the editing state. In the editing state: rotate the knob to change the sub-item, short press the knob to pop up the input box, enter the number and select $\checkmark$ to save.



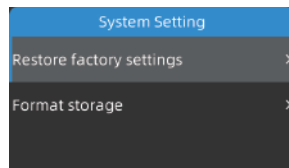
- ◆ **BDC reticle:** Similar to the ballistic record table, this function can customize the input of the trajectory drop amount at different distances and display it on the reticle.



- ◆ **Authorization information:** Short press the knob to enter the authorization interface, you can view the device authorization list information, rotate the knob to change the cursor position, short press the knob to pop up the delete authorization dialog box, long press the knob to return to the previous menu, and short press the power button to return to the main menu.

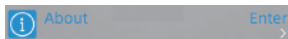
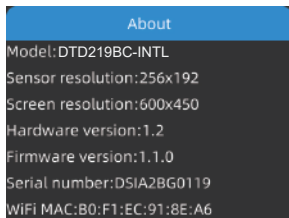


- ◆ **System settings:** Press the knob to enter the system settings interface, long press the knob to return to the previous menu, and short press the power button to return to the main menu. The device can be restored to factory settings (the reticle and ballistic calculation parameters will not be reset) and the storage can be formatted (formatting disk data, i.e., photo and video files).



Menu options

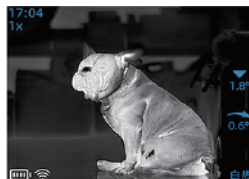
- ◆ **About this device:** Short press the knob to enter the shutdown interface, long press the knob to return to the previous menu, short press the power button to return to the main menu. You can view the relevant information of the current device (model, detector resolution, screen resolution, hardware version, firmware version, serial number, wireless MAC address).



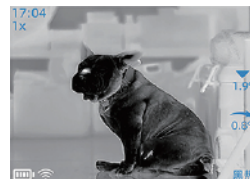
- ◆ **Upgrade Firmware:** Over-the-air OTA upgrade, you can connect the device through the mobile App to upgrade the device's firmware.



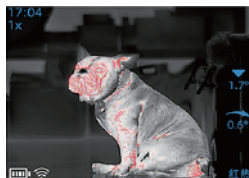
False color



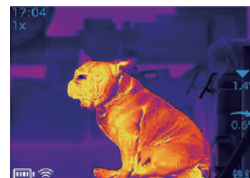
White Hot



Black Hot



Red Hot



Iron Red



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移动APP

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May 8, 2019.



说明书

发现者 户外观测热成像仪

型号: DTD219BC



警告

- 不正确的操作造成的损坏不在保修范围内。电池请勿放置在热源或火源附近，避免阳光直射。
- 设备内置可拆卸电池，请使用正确规格的电池，使用不当可能会产生爆炸危险。
- 电池在安装或拆卸完成后，要求安全关闭电池仓。
- 如果设备出现冒烟现象，产生异味，或发出杂音，请立即断开设备电源，及时与经销商或服务中心联系。
- 请勿将激光设备的激光器直射人眼，以避免可能对人眼造成的伤害。激光设备的激光器近距离照射可燃性物体，可能会带来火灾隐患，安装时请保持一定的安全距离。
- 激光灯开启后，严禁将激光对准玻璃、反射镜等反射强烈的物体，避免激光反射损坏镜头或传感器。
- 如果设备工作不正常，请联系购买设备的商店或最近的服务中心，不要以任何方式拆卸或修改设备。(对未经认可的修改或维修导致的问题，本公司不承担任何责任)。
- 电池切勿装进衣服或者裤子，口袋产生静电容易引起电池短路，请妥善存放和使用电池。(不合理存放和使用设备和电池导致的问题，本公司不承担任何责任)。

注意

- 请勿直接触碰图像传感器。当不使用设备时，请盖上防尘盖，以保护图像传感器清洁镜头时，请使用干燥的软棉布或镜头擦拭纸擦拭表面，避免硬物刮伤镜头。
- 电池使用建议：
 - 电池应在部分充电状态(50%至80%)下进行长期存放。请在环境温度为0℃至35℃(32°F至95°F)的条件下充电，否则电池寿命会大幅缩短。在低于0℃(32°F)的环境温度下使用电池会导致电池容量降低。这是正常现象并非缺陷。
 - 在-25℃至50℃(-13°F至122°F)范围外的温度下使用电池可能会减少电池的使用寿命。

FCC警告声明

- 未经负责合规事宜的一方明确批准，擅自更改或改装设备，可能会导致用户操作该设备的权限失效。本设备已通过测试，确认符合联邦通信委员会(FCC)规则第15部分中关于B类数字设备的限制要求。这些限制旨在为住宅环境中的设备安装提供合理保护，防止有害干扰。
- 本设备会产生、使用并可能辐射射频能量，若未按照使用说明进行安装和操作，可能会对无线电通信造成有害干扰。但这并不保证在特定安装环境中不会发生干扰。
- 若本设备确实对无线电或电视接收造成有害干扰(可通过关闭再开启设备来确认)，建议用户尝试通过以下一项或多项措施来解决干扰问题：
 - 调整或重新放置接收天线。
 - 增大设备与接收器之间的距离。
 - 将设备连接到与接收器不同电路的电源插座上。
 - 咨询经销商或经验丰富的无线电/电视技术人员以获取帮助。
- 本设备符合FCC规则第15部分的要求。设备运行需遵守以下两项条件：(1) 本设备不得造成有害干扰；(2) 本设备必须接受所有接收到的干扰，包括可能导致非预期运行的干扰。
- 本设备已通过评估，符合通用射频暴露要求。该设备可在便携式暴露场景下无限制使用。

产品介绍

DTD219BC系列热成像仪配备12微米高灵敏度探测器，分辨率高达 640x512，采用多种不同焦距的镜头，开放式2.4寸600x450高分辨AMOLED显示屏，以及激光测距，可在恶劣环境能见度甚至完全黑暗的情况下提供远距离清晰图像。允许用户看到检测目标的障碍物，并准确测量到目标的实际距离。此外 您可以轻松连接到我们的移动应用程序，以及实时查看并分享您的发现。

DTD219BC热成像仪专为各种应用而设计，包括观察、救援行动、徒步旅行等。

产品特点

- 搜瞄两用
- 快速拆装
- 轨迹计算
- 无档算法
- 2.4寸AMOLED显示屏
- 激光测距量程1000米
- 内置高速eMMC存储32GB
- 紧凑型设计
- 热点追踪
- 便捷的电池安装
- UVC数字视频实时输出
- 电子变倍
- WiFi图传
- 拍照/录像回放

产品参数

产品型号	DTD219BC	产品型号	DTD219BC
探测器		归零方式	手动归零
类型	氧化钒非制冷红外焦平面	场景模式	通用，高对比，低对比
分辨率	256x192	伪彩	白热，黑热，红热，铁红
像元尺寸	12μm	校正方式	自动快门校正/手动快门校正/ 无档校正/场景校正
响应波段	8-14μm	WiFi图传	2.4GHz,802.11 b/g
NETD	≤ 30 mk@25°C, @F/1.0	蓝牙	2.4g
帧率	50Hz	系统	
光学		语言设置	简体中文
焦距	19mm/F1.0	存储容量	32GB（实际可用约28GB）
视场角	9.2°X7.0°	图片/视频格式	.JPG/.MP4
基础放大倍率	1.2X	探测距离	实时图像输出
电子变倍	1X-4X	人物	897m
对焦方式	手动	兔子	211m
探测距离		电池	单节可拆卸式18650/ 18500电池
显示		工作时间	6H
类型	2.4"AMOLED	接口	Type-C 5V(USB)
分辨率	600X450	物理参数	
功能		激光测距	5-1200m(905nm)
激光测距	5-1200m(905nm)	工作温度	-20°C ~ +60°C
激光指示	支持（红光）	储存温度	-30°C ~ +70°C
热点追踪	支持	湿度	10% ~ 95%，非冷凝
画中画	支持	机械冲击	1000G
拍照/录像回放	支持	防护等级	IP66
陀螺仪	支持	重量（不含 电池/快拆装置）	276g
十字分划线	支持	尺寸（长x宽x高）	85x75x81.5mm
轨迹计算	精确计算/简易计算/BDC/ 轨迹记录/轨迹标定（轨迹轮）		

装箱清单



设备



数据线



充电器



普通夹具



电池x2



快拆夹具



扳手

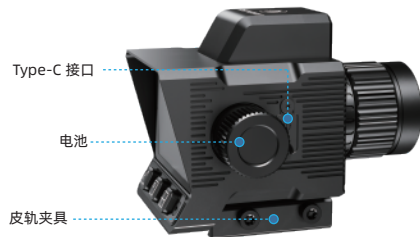


手持握把

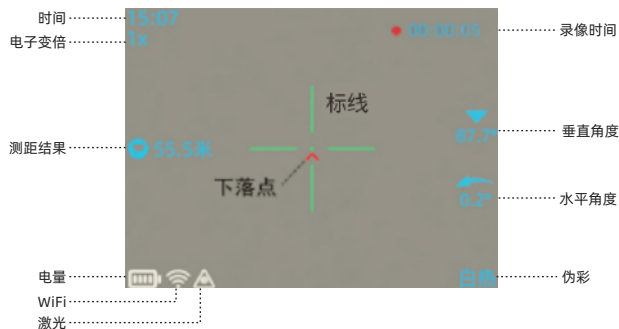


30MOA 倾斜角夹具

产品部件图示



主界面功能介绍



主界面 按键 功能介绍

按键	按下	
	短按	长按
多功能旋钮	单次测距/轨迹计算	进入菜单
	旋转	
	向前滚动	向后滚动
	电子变倍-放大	电子变倍-缩小
按键	短按	长按
测距键	单次测距/轨迹计算	连续测距 (开/关)
功能键	开/关画中画	开/关指示激光
模式键	夜视模式下切换补光灯档位	夜视模式/全彩模式
电源键	-	设备开关机/息屏
拍照键	拍照	录像 (开始/停止)
备注: 长按电源键10秒设备强制关机		

菜单选项

- ◆ **激光指示:** 短按旋钮打开/关闭激光指示灯。



- ◆ **伪彩:** 短按旋钮切换伪彩样式(白热/黑热/红热/铁红)。



- ◆ **场景模式:** 短按旋钮切换场景使用模式(通用/高对比度/低对比度)。



- ◆ **图像亮度:** 短按旋钮调节显示的红外图像亮度(1-5档)。



- ◆ **图像对比度:** 短按旋钮调节显示的红外图像对比度(1-5档)。



- ◆ **画中画:** 短按旋钮打开/关闭画中画功能。



- ◆ **热点追踪:** 短按旋钮打开/关闭热点追踪功能。



- ◆ **图像校正:** 短按旋钮切换图像校正的方式(自动/背景/无挡)。



菜单选项

- ◆ **坏点校正**: 短按旋钮进入盲元标定界面。在盲元标定界面中:滚动旋钮调整光标, 短按旋钮切换当调节为X坐标还是Y坐标, 长按旋钮退出。



- ◆ **亮度**: 短按旋钮调节显示屏亮度(1-5档)。



- ◆ **语言**: 短按旋钮切换当前显示语言(简体中文/英文)。



- ◆ **WiFi热点**: 短按旋钮打开/关闭WiFi热点
(WiFi名称: dtsDevice-xxxx[xxxx为无线物理地址的后4位], 密码: 12345678)。



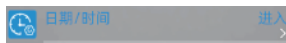
- ◆ **蓝牙**: 短按旋钮打开/关闭蓝牙



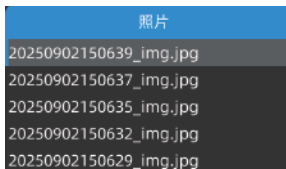
- ◆ **关机时间**: 短按旋钮选择设备没有操作时自动关机时间(不关机/30分钟/60分钟/90分钟/120分钟)。



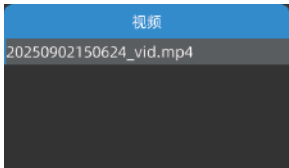
- ◆ **日期/时间**: 短按旋钮进入日期和时间设置界面, 长按旋钮返回上一级, 短按开关机键返回主菜单。滚动旋钮改变光标位置, 短按旋钮进入光标所在的功能项, 蓝色字体亮起表示进入编辑状态, 编辑状态下: 滚动旋钮调节数值, 短按旋钮切换子项 长按旋钮退出编辑状态。



- ◆ **照片**: 短按旋钮进入照片预览界面, 长按旋钮返回上一级, 短按开关机键返回主菜单。短按旋钮预览设备中已存储的照片, 滚动旋钮改变光标位置, 短按旋钮预览当前选择的照片, 在照片预览显示界面中, 滚动旋钮切换上一张或下一张照片, 按拍照键可以删除当前照片。



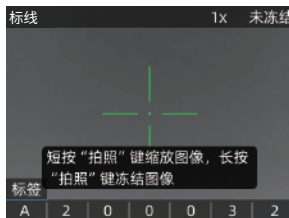
- ◆ **视频：**短按旋钮进入视频预览界面，长按旋钮返回上一级，短按开关机键返回主菜单。短按旋钮预览设备中已存储的视频，滚动旋钮改变光标位置，短按旋钮预览当前选择的视频，在视频预览显示界面中，短按旋钮播放/暂停视频，滚动旋钮切换上一个或下一个视频。短按拍照键可以删除当前视频。



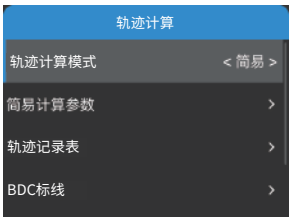
- ◆ **IMU校正：**短按旋钮进行IMU校正(注:设备需平放在水平装置上)。



- ◆ **标线：**短按旋钮进入标线配置界面，长按旋钮返回上一级，短按开关机键返回主菜单。可配置标签、图案、距离、水平偏移(X坐标),垂直偏移(Y坐标), 颜色(颜色)线条(粗细), 滚动旋钮改变光标位置，短按旋钮进入光标所在的功能项，蓝色字体亮起表示进入编辑状态，编辑状态下:滚动旋钮调节数值，短按旋钮退出编辑状态，短按拍照键缩放图像，长按拍照键冻结画面。注:每组标签都是相互独立的参数。



- ◆ **轨迹计算：**短按旋钮进入轨迹计算界面，滚动旋钮改变光标位置，短按旋钮进入光标所在的功能项，长按旋钮返回上一级，短按开关机键返回主菜单。



- ◆ **轨迹计算方法:** 简易/精确/轨迹记录/BDC/轨迹标定 (精确计算需在移动App设置相关参数)。

- ◆ **简易计算参数:** 设置简易计算的各项参数(配置组, 轨迹系数, 初数, 弹头重量, 归零距离, 基线高度, 温度, 海拔, 单位设置)。
注:每组配置组都是相互独立的参数。滚动旋钮改变光标位置, 短按旋钮弹出输入框, 输入数字后选择√保存。

简易计算参数		
配置组	<	a >
轨迹系数(g1)	<	0.031 >
初速(m/s)	<	255 >
弹头重量(g)	<	1.03 >
归零距离(m)	<	23 >

- ◆ **轨迹记录表:** 可自定义输入各项轨迹参数(距离、弹落点等), 短按拍照键增加记录, 长按拍照键删除当前项, 滚动旋钮改变光标位置, 短按旋钮进入光标所在的功能项, 蓝色字体亮起表示进入编辑状态, 编辑状态下: 滚动旋钮改变子项, 短按旋钮弹出输入框, 输入数字后选择√保存。

轨迹记录表			
距离(米)	CM	MOA	MRAD
无记录!			

- ◆ **BDC标线:** 类似于轨迹记录表, 该功能可以自定义输入不同距离的轨迹下坠量并表现在标线上。

BDC标线		BDC标线	1x	未冻结
标线设置	>	<div> + 0m 10m + 短按“拍照”键缩放图像, 长按“拍照”键冻结图像 标签 A 2 0 0 0 3 2 </div>		
窥孔辅助线	< 隐藏 >			
分组设置	< B >			
图案样式	< + >			
清除模式	< 关 >			

- ◆ **授权信息:** 短按旋钮进入授权界面, 可查看设备授权列表信息, 滚动旋钮改变光标位置, 短按旋钮弹出删除授权对话框, 长按旋钮返回上一级, 短按开关机键返回主菜单。

授权信息	进入 >
------	------

- ◆ **系统设置:** 短按旋钮进入系统设置界面, 长按旋钮返回上一级, 短按开关机键返回主菜单。
可对设备进行恢复出厂设置(标线和轨迹计算相关参数不会重置), 和格式化存储(照片和视频)。

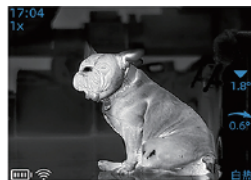
系统设置	进入 >
恢复出厂设置	>
格式化存储	>

- ◆ **关于本机：**短按旋钮进入关机本机界面，长按旋钮返回上一级，短按开关机键返回主菜单。

可查看当前设备的相关信息(型号、探测器分辨率、屏幕分辨率、硬件版本、固件版本、序列号、无线物理地址)。



- ◆ **固件升级：**空中OTA升级，可通过移动App连接设备进行设备的固件升级。



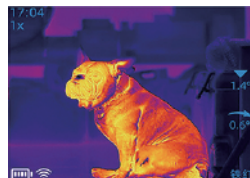
白热



黑热



红热



铁红