

UNI-T®



UTi730V/UTi720V
Quick Start Guide of Thermal Imager

P/N:110401112356X

PREFACE

Thank you for purchasing the new V series Thermal Imager. In order to use this product safely and correctly, please read this manual thoroughly, especially the Cautions part.

After reading this manual, it is recommended to keep the manual at an easily accessible place, preferably close to the device, for future reference.

LIMITED WARRANTY AND LIABILITY

Uni-Trend guarantees that the product is free from any defect in material and workmanship within one year from the purchase date. This warranty does not apply to damages caused by accident, negligence, misuse, modification, contamination and improper handling. The dealer shall not be entitled to give any other warranty on behalf of Uni-Trend. If you need warranty service within the warranty period, please contact your seller directly.

This warranty is the only compensation you can obtain. Uni-Trend will not be responsible for any special, indirect, incidental or subsequent damage or loss caused by any reason or speculation. As some areas or countries do not allow limitations on implied warranties and incidental or subsequent damage, the above limitation of liability and stipulation may not apply to you.

Cautions

1. Use or store the product at specified operating or storage temperatures to avoid damage.
2. Do not aim the product at strong heat source, such as sun, laser device, spot-welder, etc.
3. Do not knock, toss, or shake the product and accessories.
4. Do not place the battery in high-temperature environment or get close to the high-temperature object. Do not place the battery in humid condition or in water.
5. Do not use dissolved or similar liquids on the product or cables.
6. Please follow the following instructions to wipe the device:
 - Non-optical surface: If necessary, use a clean and soft cloth to wipe the non-optical surface of thermal imager.
 - Optical surface: Do not stain the optical surface of lens when using the thermal imager. Especially not to touch lens with hands, cause it may erode the optical coating layer on the glass surface. When the optical surface is stained, wipe it carefully with a specific lens paper.
7. While using the device, please try to keep it stable and avoid violent shaking.
8. Please do not disassemble the device avoiding product damage and warranty rights loss.
9. Due to different batches, the materials and details of actual products may be slightly different from the graphic information. Please refer to the goods received.
10. If any questions, please contact customer service.
10. The experimental data in the manual are theoretical values and all from Uni-Trend's internal laboratories, for reference only. Customers cannot use them as basis for placing

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1.Product Introduction

V Series are the high-performance thermal imagers with 3.5" HD touch screen, infrared detectors in 256*192(UTi720V)/320*240(UTi730V) resolution, and 5 mega-pixel visible light cameras, providing clear imaging details and its wide-range temperature measurement satisfies multiple scene requirements.

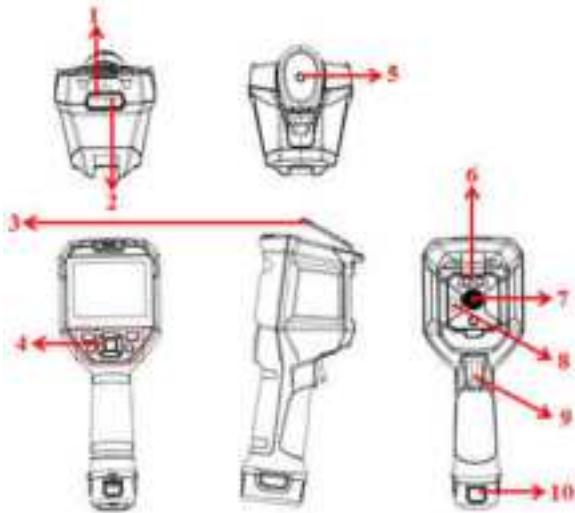
2.Product Features

- 3.5" HD Touch Screen
- Infrared Resolution: 256*192 (UTi720V), 320*240 (UTi730V)
- Temperature Measurement Range: -20~550°C (UTi720V), -40~400°C (UTi730V)
- 5 Mega-Pixel Visible Light
- Video Recording Function
- T-Mix Adaptive Dual-Range Image Fusion
- 30-Meter Laser Ranging
- Connect with Mobile APP via Wi-Fi to transmit real-time images and share thermal images
- Professional PC Software
- 2-Meter Drop Proof
- Waterproof & Dustproof Rating: IP54

3.Packing List


Items	Quantity
Thermal Imager	1
USB Cable	1
Micro SD Card	1
Rechargeable Li-ion Battery (UT-M17)	2
Quick Start Guide	1
Documents Download Operation Guide	1
HS Impact-Proof Portable Box	1

4. Product Appearance



No.	Description	No.	Description
1	USB Type-C Interface	6	LED lighting
2	SD Card Slot	7	Infrared Camera Lens
3	Interface Protective Case	8	Laser
4	Buttons	9	Trigger
5	Bracket Screw Hole	10	Battery

5. Buttons

Buttons	Status	Short Press	Long Press
 Power	Power Off	/	Power On
	Power On	/	Power Off
 Laser	Main Interface (Single Measurement)	/	Single Laser Ranging
	Main Interface (Continuous Measurement)	Laser ON/OFF (Continuous Laser Ranging)	/
 SET	Main Interface	Menu/Confirm/Save	/
	Menu Bar	Confirm	/
 UP	Main Interface	Magnify	/
	Menu Bar	Up	Continuous Up/ Minus value/Move frame
 DOWN	Main Interface	Flashlight ON	/
	Menu Bar	Down	Continuous Down/ Plus value/Move frame
 LEFT	Adjust PIP Fusion Ratio	Minify Fusion Ratio	Minify Fusion Ratio Fast
	Menu Bar	Left	Left-Continuous
 RIGHT	Adjust PIP Fusion Ratio	Magnify Fusion Ratio	Magnify Fusion Ratio Fast
	Menu Bar	Right	Right-Continuous
 Gallery	Main Interface	Gallery ON	/
 Return	Main Interface	Calibration	/
	Menu Bar	Return	/

6. Display



No.	Description	No.	Description
1	Center Spot Temperature	5	Auto Hi Spot Tracking
2	Auto Lo Spot Tracking	6	Range Bar
3	Center Spot	7	Battery Status
4	Menu	8	USB Connection

7. Menu



1	Temperature Mark	Show/Hide Center spot, Hi/Lo spot and Hi/Lo spot temperature.
2	Image Modes	Select Thermal imaging, Visible light, Fusion, and PIP mode or QR code added.
3	Color Palettes	White Hot, Red Hot, Ironbow, Black Hot, Rainbow HC, Lava, Rainbow
4	On Screen Analyzer	Add the analytic targets (Spots, Lines, Rectangles, Circles included) and select the target added (Only with analytic target added in the main interface, can this function be used). Clear All. Preset, etc.
5	Isotherm	Auto/Ratio/Below/Above/Section/Manual
6	Settings	Language/Unit/Date/Time/etc.

7.1 QR Code

Manually input or scan to get the QR code (Select "Cancel" to return to main interface), and save it to the folder. The QR code icon will be showed on the right side of main interface after saving, meanwhile, the images captured or video will be with QR code and saved into the corresponding folder. Reenter the QR code mode if needed to cancel the QR code.

8. Settings



Camera Modes	Image capturing, Video recording, Time-lapse(10S-1000S)
Units	Temperature unit (°C, K, °F) / Distance unit(m, ft)

Parameters	Adjust emissivity (refer to Emissivity Table), ambient temperature, reflected temperature, humidity, distance compensation, settings switch (-20~150/0~550). [Note: UTi730V can only adjust the emissivity and distance compensation.]
Alert	Enable the Hi/Lo temperature alert, LED lighting alert, Buzzer function, etc. (When the measured temperature exceeds the high value, the red triangle will be indicated. When the measured temperature is below the low value, the green inverted triangle will be indicated.
QR CODE	Modify the folder name and QR code
Language	English/German/French/Spanish/Italian/Swedish/Polish/Czech
Date & Time	Change time format, date and time
Wi-Fi	Enable/Disable the hotspot function. Hotspot information can be modified in hotspot ON.
USB	Change USB storage and projection mode
Brightness	Adjust light intensity(1-100 adjustable)
Audio	Adjust volume intensity (1-100 adjustable)
Laser Ranging	Adjust measurement mode: Single/Continuous
Auto Power Off	Select the shutdown time, Power off or in 5/10/20/30/45/60/90 minutes
Factory Reset	Restore to the factory settings
Format	SD card formatting
About	Check the model, infrared resolution, software/firmware/system version, SD card capacity, etc.

9. Mobile APP

Step 1

For iOS devices, search & download "Thermal Link" in the Apple Store, or scan the following QR code.

For Android devices, download & install "Thermal Link" in the Uni-Trend official website, or scan the following QR code.



iOS



Android

Step 2

- Enable the Wi-Fi hotspot function of device.
- Search hotspot name "UTi720V**/UTi730V**" on your mobile phone.
- Connect the hotspot by entering the password 12345678.
- Enter the App to get the function of real-time screen transmission, remote viewing and images download, etc.

Note: Please keep the connection range within 10m and no obstacles to ensure the stable data transmission.

10.USB Communication & PC Analysis Software

1. Refer to the Download Guide to download and install the PC software.
2. Connect the USB cable with computer to navigate images and analyze data via the PC software.
3. Refer to the Software User Manual in the Help option to get help about how to use the PC software.
4. Do not unplug the USB cable when in the USB communication before cutting off the connection between device and computer correctly (Select to remove device connection in the lower right side of computer.)

11.Charge

The device is supported for direct charging with 5V/2A adapter, or charge battery separately via the Type-C interface.

12. Notes

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

13. Product label



* The contents of this manual are subject to change without prior notice *

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彩盒 菲林做货要求

序号	项目	内容	备注
1	尺寸	110*150mm	
2	材质	128双铜+60g双铜	
3	颜色	四色	
4	外观要求	完整清晰、版面整洁，无斑墨、残损、毛边、刀线错位等缺陷。	
5	装订方式	骑马钉	
6	表面处理		
7	其它	无	
版本		REV. 0	
DWH 设计	宣浩	MODEL 机型： UTi720V	
CHK 审核		Part NO. 物料编号： 110401112356X	
APPRO. 批准		 优利德科技(中国)股份有限公司 UNI-TREND TECHNOLOGY (CHINA) CO., LTD.	