THERMAL IMAGING

MODEL:
ULT02K

Specifications:

Sensor	Uncooled focal plane array
Temperature range	30℃~45℃
Resolution	0.1℃
Accuracy	±0.5℃ (@25℃ ambient temperature)
Optimal measuring distance	1m
Temperature measurement response time	≤500ms (95% of reading)
Thermal resolution	19200 (160×120)
Pixel dimensions	12μm
Palettes	Iron red, rainbow, glowing white, glowing black, glowing red, lava, high-contrast rainb
Bandwidth of infrared spectroscopy	ow 8~14μm
Field of view (FOV)	56°(H) × 42°(V)
Instantaneous field of view (IFOV)	6mrad
Thermal imaging sensitivity	<50mk
Frame rate	<9Hz
Temperature display	Center temperature measurement and high temperature tracking (default)
Image format	BMP
Image modes	Thermal camera, visible camera, image blending
Temperature measuring point	Besides central point, 3 temperature measuring points can be added
Visual camera	√
Resolution of visible camera	640×480
Display resolution	320×240
Image blending	0% (total visual camera), 25%, 50%, 75%, 100% (total thermal camera)
PC analysis software (PC)	√
Real-time image transmission	PC software image projection

Data communication	**Type-C USB**
Auto power off	Selectable (5min, 10min, 30min), 30min auto power off (default)
Battery life	**≥6 hours**
Charging time	≤5 hours
Charging voltage/current	5V/2A
Image storage	Micro SD card

Power	A single Li-ion 3.7V/5000mAh 26650 battery
Display	2.8" TFT LCD
Product color	Red + grey
Product size	236mm x 75.5mm x 86mm
Standard accessories	Manual, Type-C USB cable, 16GB TF card
Standard carton gross weight	2.2kg

PC SOFTWARE ANALYSIS

REAL-TIME IMAGE TRANSMISSION:
SET THE USB MODE TO USB CAMERA, CONNECT THE USB CABLE TO THE COMPUTER TO MIRROR THE COMPUTER SOFTWARE BY REAL-TIME IMAGE TRANSMISSION.

KEY FEATURES

1. 2.8" TFT SCREEN
2. INFRARED RESOLUTION: 160 X120
3. FRAME RATE: 9Hz
4. TEMPERATURE MEASUREMENT RANGE: 30°C~45°C
5. ACCURACY: +0.5°C
6. PHOTOGRAPH FUNCTION WITH SD CARD STORAGE
7. PC SOFTWARE ANALYSIS
8. REAL-TIME IMAGE TRANSMISSION
9. VISUAL CAMERA (640X480)
10. TYPE-C USB INTERFACE
11. 1/4" TRIPOD MOUNTING HOLE