Professional handheld infrared camera parameter			
NO.	**Items**		**Parameter**
1	**Detector**	Type	Uncooled focal plane micro-thermal
		Resolution	640×480
		Wavelength range	8～14um
		Thermal sensitivity	≤0.05℃
		Frame rate	50/60Hz
2	**Lens**	Lens	Automatic Identification
		Focusing method	Manual/electric/automatic
		FOV	25°×19°
		Focusing range	0.1m~∞
3	**Dispaly**	Monitor	4.0” TFT LCD，Color, with capacitive touch screen
		Resolution	640×480
		Backlight	High brightness sunlight screen
		Palette (pattern)	11 color codes can be selected
		Image adjustment	automatic / manual
4	**Image**	Spatial resolution	0.67mrad
		Super pixel function	1280×960
		Display method	Infrared, visible light, picture-in-picture, dual-band fusion image (DSIE)
		Digital zoom	1~4x
		Visible light camera	500 million pixels
		Video output	HDMI
		Anchor point display	Laser positioning points are displayed on the image
5	**Storage**	Memory	TF card
		Video recording	Yes, the general video format storage of this machine, timing storage can be set, support infrared, visible light, fusion mode
		Image storage	Yes, infrared image JPEG format, with infrared temperature data; visible light, fusion JPEG format storage
		Note	60-second voice recording, stored with the image, optional text annotation

6	**Measurement**	Temperature range	-20℃～+650℃, can be extended to 1200℃
		Temperature accuracy	±2℃ or ±2% of measured value, whichever is greater
		Temperature measurement mode	Real-time 4 movable points (the hottest and coldest points are independent), 3 movable areas (the highest temperature, the lowest temperature capture, average temperature measurement), line temperature measurement, isothermal analysis, temperature difference measurement, temperature alarm (sound, color)
		Temperature correction	Automatic (short time, long time, custom) / manual
		Atmospheric window correction	Corrected according to infrared window transmittance
		Atmospheric transmittance correction	Automatic, according to the input target distance, relative humidity, ambient temperature
		Background temperature correction	Automatically correct according to the entered temperature
		Emissivity correction	The emissivity is adjustable from 0.01 to 1.0 (in increments of 0.01), or the emissivity can be corrected through a predefined material emissivity meter
7	**Power system**	Battery	Rechargeable lithium battery, replaceable
		Battery working time	4 hours
		Battery charging time	Fast charging function (external charger), can be charged randomly
		Power management	Automatic sleep, automatic shutdown
8	**Physical characteristic**	Overall size	W116×D175×H278mm
		Total Weight	≤1.1kg（including battery）
		Handrail	Yes, can be installed on both sides
		tripod	1/4″-20-UNC
9	**Interface**	Memory card slot	TF card connector
		Data interface	Mini-USB Type C, picture/video transmission
		Video interface	Micro-HDMI
		Power connector	Mini-USB Type C
10	**Others**	Laser	Laser rangefinder
		Fill light	2 LED
		Microphone	Yes
		Buzzer	Yes
		WiFi	Real-time image transmission, can be operated through the mobile APP control menu, stored images can be analyzed to generate reports, applicable to Android & ios systems
		Bluetooth module	Audio output/input (Bluetooth headset)
		GPS	Yes
		Electronic compass	Yes
		Set up	Date/time, temperature unit ℃/℉/K, language, LCD backlight, IP address
11	**Environmental parameter**	Operating temperature	-15℃～+50℃
		storage temperature	-40℃～+70℃
		Humidity	≤95% non-condensing
		Protection level	IP54
		Vibrate	2g, GB/T2423.10（IEC60068-2-6）
		Rush	30g, GB/T2423.5（IEC60068-2-27）
		Fall	2m, GB/T2423.8（IEC60068-2-32）