

3. Specifications

Imaging and Optical Data

Field of View (FOV)/Minimum Focus Distance	56°x 42°/0.5m
Spatial Resolution (IFOV)	3.75mrad
Thermal Sensitivity/NETD	<0.1°C at 30°C (86°F)/100mK
Image Frequency	25Hz
Focus Mode	Focus Free
Zoom	1-16x continuous, digital zoom.
Focal Length	3.2mm
Focal Plane Array (FPA)/Spectral Range	Uncooled microbolometer/8-14μm
IR Resolution	256x192 pixels

Image Presentation

Display	3.5in. LCD, 640x480 pixels, Touch screen
Image Modes	IR image, Visual image, Picture in picture, Auto fusion, zoom.
Color Palettes	IRON, Rainbow, Grey, Grey Inverted, Brown, Blue-red, Hot-cold, Feather, Above alarm, Below alarm, Zone alarm, Vision zone.

Measurement

Object Temperature Range	-20 to 550°C (-4 to 1022°F)
Temperature Accuracy	±2°C (3.6°F) or ±2% of reading (Environment temperature 10 to 35°C, Object temperature >0°C).

Measurement Analysis

Spot	Center Spot, Three manual spots
Automatic Hot/Cold Detection	Auto hot or cold markers
Line	Two lines analyse
Area	Three areas analyse
Measurement Corrections	Emissivity, Reflected temperature

Storage of Videos

Storage Media	8Gbytes Micro SD card or 3.4GB internal EMMC.
Video Storage Format	Standard MPEG-4 encode, 640x480 at 30fps, on memory card >60 minutes.
Video Storage Mode	IR/visual images; simultaneous storage of IR and visual images.

Storage of Images

Image Storage Format	Standard JPEG, or HIR files including measurement data, on memory card >6000 pictures.
Image Storage Mode	IR/visual images; simultaneous storage of IR and visual images.
Image Analyse	Internal image analyse tools, Complete function.

Set-Up

Set-up commands	Local adaptation of units, language, date and time formats, information of camera
Languages	Multinational

Digital Camera

Built-in Digital Camera 2 Megapixels
 Built-in Digital Lens Data FOV 65°

Data Communication Interfaces

Interfaces USB-Type C
 USB Data transform between camera and PC; Live video between camera and PC
 Wifi 802.11, transfer images and realtime video stream

Power System

Battery Li-ion battery, 4 hours operating time
 Input Voltage DC 5V
 Charging System In camera (AC adapter)
 Power Management Automatic shutdown

Environmental Data

Operating Temperature Range -15 to 50°C (5 to 122°F)
 Storage Temperature Range -40 to 70°C (-40 to 158°F)
 Humidity (Operating and Storage) 10% to 90%
 Drop Test 2m
 Bump 25g (IEC60068-2-29)
 Vibration 2g (IEC60068-2-6)

Physical Data

Camera Weight, Incl. Battery <500g
 Camera Size (L x W x H) 224 x 77 x 96mm