



## 1. IMAGING PERFORMANCE

Thermal	
Detector type	UFPA
Spectral range	8 ÷ 14µm
Resolution / Pxl size	80x80 pxl / 34µm
Thermal sensitivity	<0.1 °C @ 30°C
Field of View (FOV)	17° x 17° (9mm lens)
Minimum focal distance	0.5m
IFOV (@1m)	3.78mrad
Focusing	Manual on lens
Image frequency	50Hz
Color palettes	4 (Iron, Rainbow, Grey, Grey Inverted)
Visible	
Integrated camera	1.3Mpxl, FOV 59°

## 2. IMAGING / IR VIDEO DISPLAY

Display type	2.8" LCD, color 320x240pxl
Infra PiP Fusion	IR image inside Visible
IR/Visible Video	Recording and saving on micro SD card MPEG4 format
Video output	HDMI
Electronic zoom	x1 ÷ x32

## 3. TEMPERATURE MEASUREMENT

Range	Resolution	Accuracy (*)
-20°C ÷ 350.0°C	0.1°C	±2%rdg or ±2°C (higher value)
-4.0°F ÷ 662.0°F	0.1°F	±2%rdg or ±3.6°F (higher value)

(\*) Accuracy referred to environmental temperature within 10°C and 35°C and object temperature >0°C

## 4. TEMPERATURE MEASUREMENT SCREENING MODE

Range	Resolution	Accuracy
32.0°C ÷ 42.0°C	0.1°C	±0.5°C
89.6°F ÷ 107.6°F	0.1°F	±0.9°F

## 5. GENERAL SPECIFICATIONS

Measurement cursors	3 (MIN, MAX, FIXED)
Laser pointer	Class 2 according with IEC 60825-1
Built-in illuminator	White light LED
Measurement modes	Automatic / Manual
Emissivity correction	0.01 ÷ 1.00 + internal table with common materials
Alarm condition	Visible alarm at display
Temp. Compensation	only for Screening mode
Measurement features	Automatic correction based on emissivity and reflexed temperature
Storage temperature	-40°C ÷ 70°C
Storage humidity	10%RH ÷ 90%RH
Encapsulation	IP50 according with IEC529
Shock	25G, according with IEC60068-2-29
Vibrations	2G, according with IEC60068-2-6
Drop test	2m
Dimensions (L x W x H)	224 x 77 x 96mm
Weight(battery included)	0.5kg

**6. IMAGE STORAGE AND PC INTERFACE**

Memory	Micro SD card 8GB
File format	JPEG standard
Memory size	> 2000 images
PC interface	USB 2.0 (for video and image transfer)

**7. POWER SYSTEM**

Battery type	Rechargeable Li-ION, 3,7V 2000mAh
Charging system	In camera
Battery life	4 hours of continuous use
External power	External adapter 100/240VAC (50/60Hz)/5VDC

**This instrument complies with Directive EMC 2014/35/EU  
This instrument satisfies the requirements of European Directive 2011/65/EU (RoHS) and 2012/19/EU (WEEE)**