



## 1. IMAGING PERFORMANCE

Thermal	
Detector type	UFPA
Spectral range	8 ÷ 14µm
Resolution / Pxl size	160x120 pxl / 25µm
Thermal sensitivity	<0.1 °C @ 30°C
Field of View (FOV)	25° x 19° (9mm lens)
Minimum focal distance	0.5m
IFOV (@1m)	2.78mrad
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 and audible 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)**