



## 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. MEASUREMENT

Temperature range	-20°C ÷ 350°C
Measurement unit	°C, °F, °K
Accuracy	±2%rdg or ±2°C
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
Measurement features	Automatic correction based on emissivity and reflexed temperature

## 4. 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)

## 5. 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



## 6. GENERAL SPECIFICATIONS

Operating temperature	-20°C ÷ 50°C
Operating humidity	10% ÷ 90%HR
Storage temperature	-40°C ÷ 70°C
Storage humidity	10% ÷ 90%HR
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