

C.A 1882**Detector specifications**

Detector	160 x 120
Type	UFPA microbolometer, 8-14 μm
Frequency	50 Hz*
Sensitivity (N.E.T.D)	0.08 $^{\circ}\text{C}$ @ 30 $^{\circ}\text{C}$

Temperature measurement

Temperature range	-20 $^{\circ}\text{C}$ to +250 $^{\circ}\text{C}$
Accuracy	± 2 $^{\circ}\text{C}$ or ± 2 % of reading

Image performance**Thermal image**

Field of view	10 $^{\circ}$ x 8 $^{\circ}$	12 $^{\circ}$ x 10 $^{\circ}$	38 $^{\circ}$ x 28 $^{\circ}$
Spatial resolution	2.2 mrad		4.4 mrad
Min. focal distance		10 cm	
Focusing		Manual	

Real image

"MixVision" mode	Merge function with adjustment from 0 to 100 % of the level of the thermal image overlay in the real image
Image size	640 x 480 pixels

Functions

Emissivity correction	Yes
Parameter settings	Emissivity, environmental temperature, distance, relative humidity
Measurement tools	1 manual cursor + automatic Min/Max detection on adjustable area
Laser pointer	Yes
Memory	1,000 thermal images as standard
Type of storage	Removable 2 GB SD card (as standard), up to 16 GB
Screen	3 inches, multi-directional

General specifications

Battery	Lithium-Ion rechargeable battery / Battery life: 3 hours
Battery recharging	Recharging via external charger
Protection	IP54