



DIACAM 2 series - Thermal Camera

DIACAM 2 is a high performance thermal camera making it simple to perform thermal inspections for energy audits, ensuring trouble-free industrial, electrical or mechanical maintenance.

The wide 2.8-inch screen with auto brightness adjustment provides comfortable reading with a field of view of 38° x 28° and the camera is focus-free. A built-in sliding cover protects the highly sensitive lens. Contextual help guides users step-by-step, limiting the risk of errors. Particularly rugged, with IP54 ingress protection, the camera can withstand falls from 2 metres.

Industrial maintenance For electrical maintenance, can detect electrical equipment malfunctions, particularly abnormal overheating before a fault occurs, avoiding the considerable cost of halting production to carrying out repairs.

Report creation The supplied CAmReport® software, used to create automatic reports can be exported in Word or PDF format, simplifying printing and archiving.

Features:

- Flexible use thanks to its Laser pointer and focus-free capability with 38° x 28° field of view
- Exceptional 9-hour continuous use
- Recovery of data from other measuring instruments (*current, humidity, dew point, etc.*)
- Recording and storage in memory of the configurations for each application
- Allows you to record voice comments directly on the image
- Comfortable grip, perfect balance with direct access to all functions with just one hand
- Wide 2.8-inch screen with automatic or manual brightness control
- Slide-down protective lens cover
- Quick start-up

Detector:

Type: UFPA microbolometer, 8 ~14 µm
 Frequency: 9 Hz
 Sensitivity (N.E.T.D): 80 mK @ 30°C (0.08 °C @ 30 °C)

Temperature Measurement:

Temperature range: -20 °C to +250 °C
 Accuracy: ±2 °C or ±2 % of reading

Image Performance:

Thermal image: -20 °C to +250 °C
 Field of view: 38° x 28°
 IFOV (*spatial resolution*): 4.1 mrad
 Focus: Fixed
 Minimum focal distance: 30 cm
 Real image: Yes (320 x 240 pixels)
 Display mode: Thermal image, real image with automatic parallax compensation (*merging of both images possible with PC software*)

Analytical Functions:

Measuring Tools: Manual cursor + automatic detection + Min Max Avg on adjustable area + temperature profile + isotherm
 Parameter settings: Emissivity, environmental temperature, distance, relative humidity
 Vocal comments: Yes via Bluetooth (*earphones provided*)
 Data storage: On 2 GB micro SD card (*approx. 4.000 images*) replaceable up to 32 GB
 Image format: PNG - thermal and real images recorded simultaneously
 Laser pointer: Yes

Image Display:

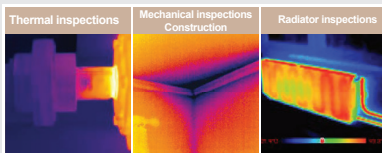
Settings: Automatic or manual adjustment of the min max for the palette
 Freezing of image: Animated or fixed image
 Display of image: Multi-palette
 Screen: 2.8 inch

Power Supply:

Type: NiMH rechargeable batteries with low self-discharge
 Recharging method: External charger (*supplied*)
 Battery life: 9 hrs (*typical*) / 50 % brightness and Bluetooth deactivated

Dimensions / weight: 225 x 125 x 83 / 700 g

Delivered with: C.A 1954 thermal camera in a site-proof case with 4 NiMH batteries and battery charger, micro SD HC card, USB cable, Bluetooth earpiece, specimen measurement report, CAm Report® software on CD-Rom and user's manual.



Thermal Camera - DIACAM 2		IP54
type	model	description
P01651904	C.A 1954	high performance thermal camera