

**Streamline your maintenance,
predict breakdowns with** 

CAMERA

Designed for industrial use,
is rugged, compact,
user-friendly and concrete-proof.

- 1,000 recordable, radiometric images
- Measurements from 10 cm
- Automatic recognition of hot and cold points
- Multi-directional protected screen

RayCam

REPORT
Easy-to-use software

- Many tools (cursors, profile, zone, array...)
- Pertinent analysis : different parameterise of each point on the thermogram
- Very easy to use with its data transfer in Word

The emissivity
of each specific
point on the
thermogram is
parameterisable



TECHNICAL FEATURES

>> Detector	
Type	UFPA Microbolometer / 8 ~14 micron
Resolution / Spectral band	160 x 120 / 9 Hz
>> Performance	
NETD at 30°	0.12 °C
Field of view/focusing	20° x 15°, IFOV: 2.2 mRad
Min focusing distance	0.1m
>> Image	
Video output	Pal / NTSC
Screen	TFT 2.5" colour LCD, multi-palettes
Image function	Live or gel - Opening and erasing 1,000 thermogram recording / 250 files
>> Measurements / Analysis	
Temperature range	-20°C to +250°C
Accuracy	+/- 2°C to +/- 2%
Cursor	1 mobile spot
Temperature search	Search for hottest or coldest point on the entire image
Adjustment	Level and scale can be adjusted automatically or manually
Correction	Emissivity, distance, surrounding temperature, relative humidity
>> Software	
RayCam report	Generation and printing of analysis reports
>> Laser	
Wave length	1 mW / 635 nm (red) Class II
>> Systems	
Configurations	Time, Date, Units, Language
Power	SONY 7.2 V Lithium battery, 8 to 11V DC
Autonomy	Approx. 2 hours
>> Specifications	
Operating temperature / Storage temperature	- 25°C to + 50°C / - 40 °C to + 70 °C
Relative humidity	20 to 90% (PF54)
Interfaces	USB, Video output
Weight	< 700g

>> Lens specifications

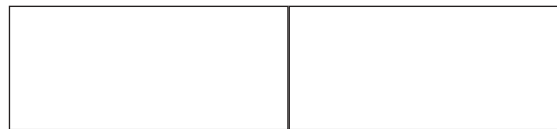
Objectif		0.1m	0.2m	0.3m	0.5m	0.8m	1.0m	1.2m	2.0m	4.2m	6.0m	10m	30m	100m
20°x15°	HFOV	0.03	0.07	0.10	0.17	0.28	0.35	0.42	0.70	1.48	2.11	3.52	10.57	35.26
Objectif	VFOV	0.02	0.05	0.07	0.13	0.21	0.26	0.31	0.52	1.10	1.57	2.63	7.89	26.33
standard	IFOV	0.22	0.44	0.66	1.10	1.76	2.20	2.64	4.40	9.25	13.22	22.04	66.12	220.40

ELECTRICAL APPLICATIONS



Circuit-breaker

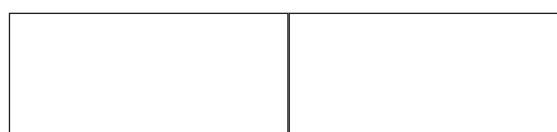
For preventive maintenance, RayCam enables no-contact detection of a damaged fuse or a faulty connection.



Generator

In order to avoid malfunctions that can lead to production stoppage and thus operating losses, simply check proper distribution of heat in the generator and locate faulty zones.

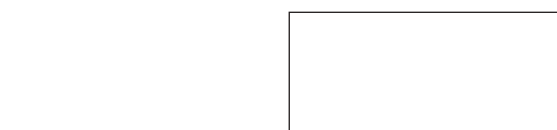
MECHANICAL APPLICATIONS



Electrical motors

Measurement of a motor's surface temperature indicates anomalies and malfunctions of the internal components (rolling, gearbox, etc.) and makes it possible to react accordingly before the motor overheats.

THERMAL APPLICATIONS



Water leakage

No need to spend a fortune, water leakages can be detected in a single movement with RayCam.

TO ORDER

• **C.A 1880 :** P01.6512.05
Delivered with RayCam Report analysis software, 1 battery, 1 charger, 1 USB lead, 1 video lead

Accessories

• **Lens hood:** P01.6515.25 • **USB lead:** P01.2952.74
• **Tripod adapter:** P01.6515.26 • **Battery:** P01.2960.41
• **Lens cover:** P01.6515.22 • **RayCam report software:** P01.6515.24

YOUR DISTRIBUTOR

FRANCE
Chauvin Arnoux
190, rue Championnet
75876 PARIS Cedex 18
Tel: +33 1 44 85 44 85
Fax: +33 1 46 27 73 89
info@chauvin-arnoux.fr
www.chauvin-arnoux.fr

UNITED KINGDOM
Chauvin Arnoux Ltd
Waldeck House - Waldeck Road
MAIDENHEAD SL6 8BR
Tel: +44 1628 788 888
Fax: +44 1628 628 099
info@chauvin-arnoux.co.uk
www.chauvin-arnoux.co.uk

MIDDLE EAST
Chauvin Arnoux Middle East
P.O. BOX 60-154
1241 2020 JAL EL DIB (Beyrouth)
Tel: +961 1 890 425
Fax: +961 1 890 424
camie@chauvin-arnoux.com
www.chauvin-arnoux.com