

Thermographic analysis software equipped with Artificial Intelligence



**Harness the power
of Artificial Intelligence
in your reports!**

- Analyses, observations and recommendations generated automatically in just one click
- Back up your analyses with AI specifically trained to identify thermal defects
- Wide range of applications
- Automated reports: direct exports to PDF or Word (.docx)

ARTIFICIAL INTELLIGENCE FUNCTION

Simplicity, precision and speed to optimise your analyses

CAMReport AI is Chauvin Arnoux's thermographic analysis software incorporating specialised artificial intelligence. It assists you in interpreting thermal images and automatically generates observations and recommendations, ready to be included in your reports.

The screenshot displays the CAMReport AI software interface. The top menu includes 'Analysis' and 'Report' with various icons for file operations and assistance. The main area is divided into several sections:

- Inspection report form:** Fields for 'Inspection name', 'Operator', 'Location', 'Date taken' (15/02/2018 10:30), and 'Equipment'. A 'Comments' field is highlighted with a yellow border. A 'Recommendations' field is also present. A 'Repair priority' dropdown is set to 'Repair Priority Minor - 5'. A blue button at the bottom says 'Generate with AI' with a '4000/4000' counter.
- Images:** Three thermal images are shown: '20180215_103012...', '20180215_103012...', and 'Merged image'.
- Graphics:** Two charts are displayed: 'Graph of distribution of L0' (a line graph of Temperature vs Position) and 'Histogram of R0' (a bar chart of %R vs Temperatures).
- Data:** A table titled 'Image properties' with the following data:

Image properties	Value
Image name	20180215_103012_IR.png
Minimum temperature	16.0 °C
Maximum temperature	53.2 °C
Average temperature	22.6 °C
Emissivity	0.850
Humidity	55.0 %
Reflected environmental temperature	25.0 °C
Distance	2.00 m

HOW DOES CAMREPORT AI WORK?

CAMReport AI uses artificial intelligence to assist users in analysing thermal images.

Its aim is to provide accurate observations and tailored recommendations based on AI analysis, thereby significantly improving speed and efficiency.

CAMReport AI integrates artificial intelligence into thermal analysis.

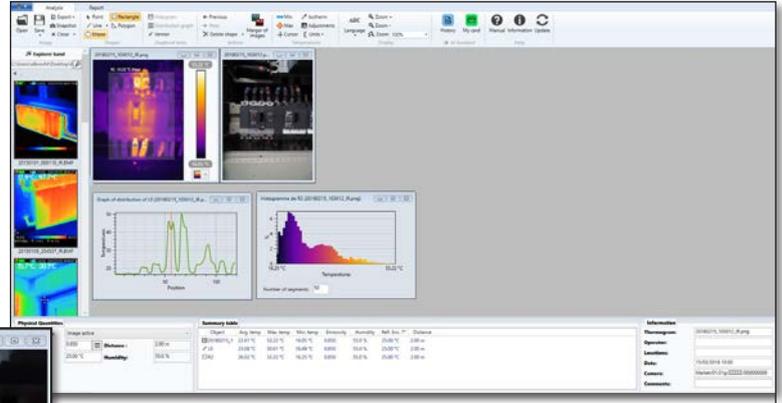
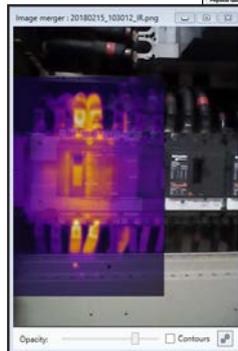
The screenshot shows the 'AI-assisted report creation' dialog box. It contains the following information:

- Analyzed images:** Two images are shown: '20171030_092659_IR.png' and '20171030_092659.png'.
- Comments:** A text block stating: 'The thermal image shows several warm regions on the upper printed circuit board, with the hottest point reaching approximately 41 °C. These warm areas correspond to electronic components on the PCB visible in the normal image. No clear comparison between identical components is possible, and no discrete hotspots on terminal blocks, wiring, or power devices are visible. The temperature rise is moderate relative to the 20.5 °C ambient, suggesting normal operation of low-power electronics rather than a fault. Based on the available data, no abnormal thermal behaviour can be reliably identified.'
- Recommendations:** A text block stating: 'No corrective action is required at this stage. Ensure that the enclosure remains clean and well-ventilated, and perform periodic thermographic checks during known load conditions to confirm stability. If the device is part of a charging or control system, a future inspection under maximum operational load would improve diagnostic reliability.'
- Repair priority:** A dropdown menu set to 'Repair Priority Minor - 5'.
- Balance debited:** 0 €.
- Buttons:** 'Auto-fill inspection fields' (checked) and 'Approve the analysis'.

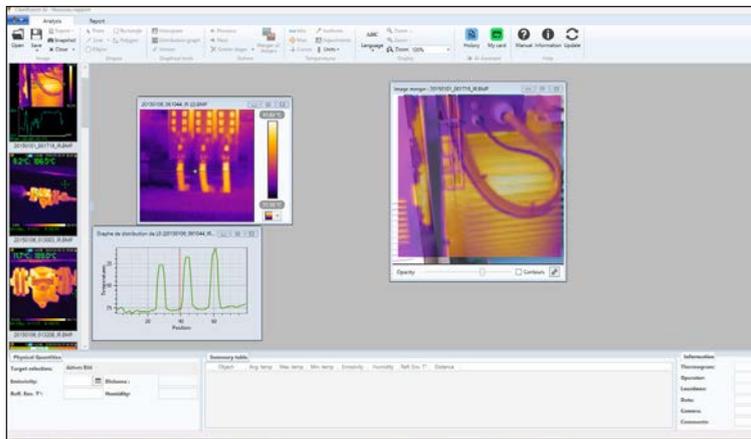
PROCEED TO AUGMENTED THERMOGRAPHIC ANALYSIS

COMPREHENSIVE THERMOGRAPHIC ANALYSIS SOFTWARE

- Advanced thermogram analysis
- Cursors, profiles, zones, polygons
- Customisable isotherms and palettes
- Thermal image/real image fusion
- Voice comment retrieval
- Integration of connected measurements



Everything you need, in a simple and intuitive interface.



PROFESSIONAL AND AUTOMATIC REPORTS

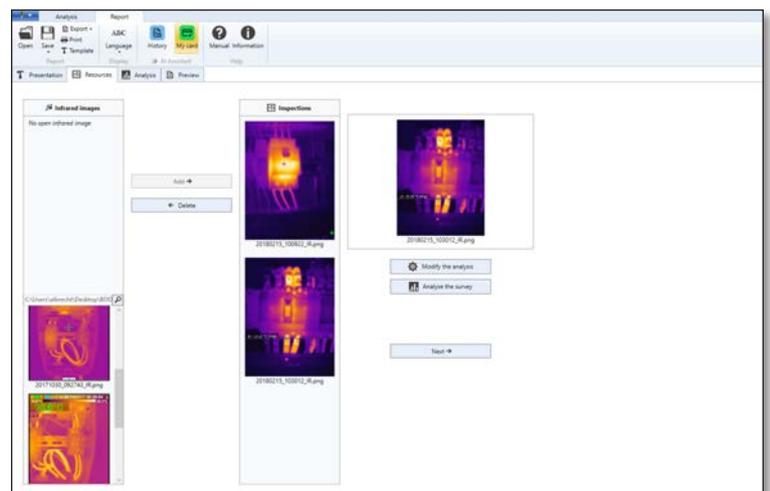
In just three steps, CAmReport AI generates reports that are:

- Clear,
- Consistent,
- Professional,
- Ready to use.

Export to PDF or Word

ALL YOUR APPLICATIONS, ONE SOLUTION

- **Electrical & mechanical maintenance**
Overheating, imbalances, wear and tear, mechanical faults
- **Photovoltaics**
Defective cells, preventive maintenance
- **Building & property diagnostics**
Insulation, thermal bridges, leaks, damp
- **Climate engineering**
Underfloor heating, heating elements, valves
- **Industry & processes**
Insulation, quality control, processes



PRESENTATION OF THE PACKS

CAmReport AI software Free download from the Chauvin Arnoux website www.chauvin-arnoux.com

	TRIAL VERSION	STARTER PACK	PRO PACK
Subscription	Free of charge	Reference: P01102217 Simple activation by code after ordering	Reference: P01102218 Simple activation by code after ordering
	10 free AI analyses Free CAmReport software (without AI)	1,000 AI analyses Expires after 12 months from the first analysis	4,000 AI analyses Expires after 12 months from the first analysis
Mode multi-utilisateurs	Yes The software and activation code can be installed and used on multiple computers.		

Features of CAmReport AI software

ANALYSIS TAB	
Measuring tools	<p>Thermogram analysis using the following tools:</p> <ul style="list-style-type: none"> • Cursors (automatic display of the temperature at the selected point). • Thermal profile (automatic display of the Min/Max/Avg temperatures of the line). • A square or circle for zone analysis • Results tables automatically and quickly display all the information/analysis tools for the thermogram. • Polygons and polylines for more precise analysis of certain areas of the thermogram.
Influential factors	<ul style="list-style-type: none"> • Emissivity (standard emissivity table that can be expanded by the user) • Reflected temperature • Distance • Relative humidity
Features	<ul style="list-style-type: none"> • Numerous palettes • Isotherms for highlighting anomalies above temperature thresholds • Retrieval of secondary measurements from instruments, clamps and climate measurement devices • Retrieval of comments recorded on the camera
REPORT TAB	
Creation	Creation of automated reports in 3 steps, exportable to Word or PDF format
AI analysis	The AI assistant analyses the equipment and automatically fills in observations and recommendations from your image, saving you valuable time.
Available languages	Multilingual - 15 languages including French, English, German, Spanish, Italian, Dutch, Polish, Romanian, Czech, Simplified Chinese, Portuguese, Swedish, Finnish, Turkish, Korean
Compatibility	Operating systems: Windows 11 Compatible camera models: Chauvin Arnoux CA 1950 & CA 1954
Additional information	The intelligent fault analysis assistant requires an internet connection. IMPORTANT: results generated by AI may contain errors and require verification before being included in the report.

AI = Artificial Intelligence

TO ORDER

CAmReport AI intelligent software | Starter Pack.....P01102217
 CAmReport AI intelligent software | Pro Pack.....P01102218
 CA 1954 thermal camera.....P01651904



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