

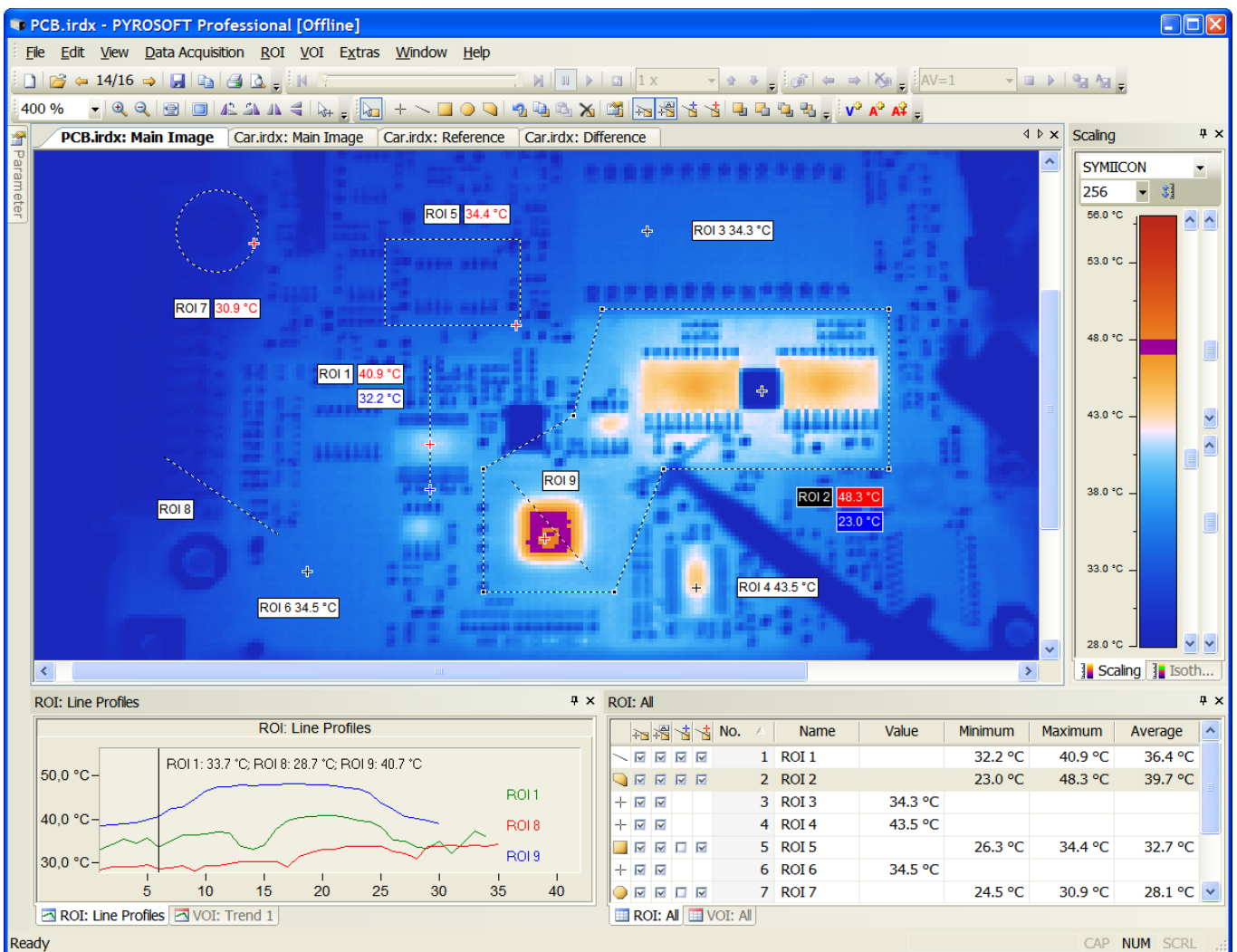
PYROSOFT Compact/Professional

All-purpose online and offline software for infrared cameras from DIAS

PYROSOFT Compact/Professional is an **all-purpose and powerful software** for Windows® to operate DIAS infrared cameras. A professional user interface gives the opportunity to an effective and detailed analysis of saved or on-line data.

Flexible views with regions of interest (ROI), result lists, profile and trend charts, histograms, difference images, 3D image, visual image, different color bars and isotherms allows a well arranged and elaborate evaluation of the gathered infrared data. Substantial documentation for Microsoft® Word are easy and fast to create by using the build-in report generator.

Versatile export possibilities provide access to external software. Using values of interest (VOI) interesting values and alarms are calculated and can be processed. All analyzing functions are designed for online data acquisition and the results are provided in real-time. Using an IO sub system (PROFIBUS, PROFINET, WAGO, text file) it's possible to transfer calculated analog and digital values to the process control system.



A software integration package **PYROSOFT DAQ** is available alternatively with the following functionality:

- DLL-interface for direct data access on all DIAS infrared cameras
- DIAS-IRDX-file support
- Bitmap and display functions for color palettes and measured values

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	PYROSOFT Compact	PYROSOFT Professional
General		
Multi language software for Windows® XP, Vista, 7	×	×
Temperature unit °C, °F, K or radiation values	×	×
User Interface		
Professional document interface with selectable views	×	×
Multi document interface for simultaneous handling of different documents		×
Integrated File Functions		
Open IRDX files and sequences	×	×
Thumbnail view, preview, print	×	×
Bitmap and video export (BMP, GIF, JPG, PNG, TIFF, AVI)	×	×
Text export		×
Image Viewing Functions		
Several color bars and scaling ranges incl. auto-scaling	×	×
Zoom functions with auto-zoom, full screen view, rotation and flipping	×	×
3D visualisation with auto rotation		×
Display of the visual image		×
Analysis Functions		
Correction of emissivity, transmission and ambient temperature	×	×
Difference image with selectable reference image		×
Isotherm display		5
ROI Functions (Region of Interest)		
Points	5	1000
Lines	1	1000
Areas (rectangle, circle/ellipse, polygon)	1 rectangle	1000
Selection of hot and cold spots of lines and areas	×	×
Specific correction of emissivity, transmission and ambient temperature inside of each ROI	×	×
Self-adjusting SUB-ROI		×
Edit functions (copy, insert, delete, undo)	×	×
VOI Functions (Value of Interest)		
Definition of VOI values from calculated ROI values, available functions: sum, difference, minimum, maximum, standard deviation, histogram		×
Definition of VOI alarms from calculated VOI values, one or two fix or changing thresholds		×
Definition of VOI alarm combinations (OR/AND) from calculated VOI alarms		×
Trend chart and histogram from VOI values		×
Report Generation		
Easy and fast report generation with user defined templates for Microsoft® Word	×	×
Multi-report of all views, ROI and VOI lists, scale, profiles, trend charts, histograms		×
Real-Time Online Functions		
Use and manage document templates		×
Data saving, bitmap export, ROI calculation	×	×
Text export, VOI calculation, alarm saving, trend charts, histograms		×
Analog/digital value output via IO sub system (PROFIBUS, PROFINET, WAGO, text file)		× ¹

¹ Only available in PYROSOFT Professional IO. Technical details are subject to change without notice. March 2011.