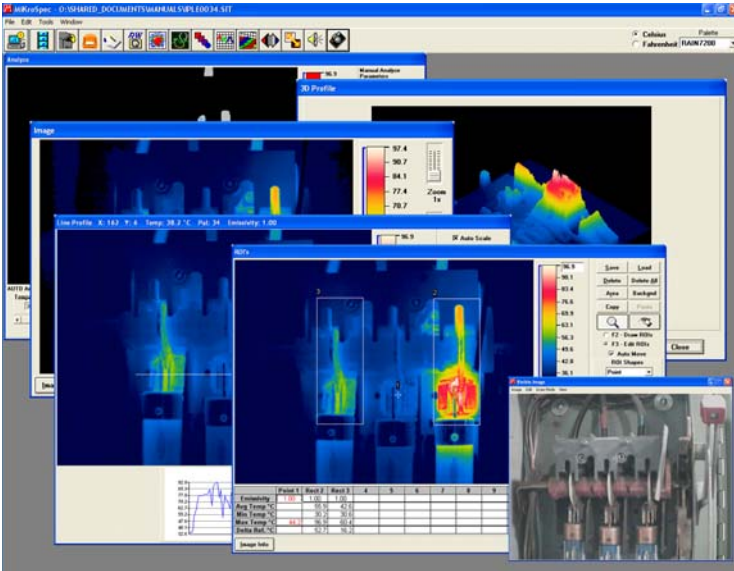


MikroSpec™ 3.1

Thermal Image Processing and Report Writing Software



Thermal imaging software package that offers a combination of functionality, ease of use, and value that is unrivaled in the industry



System Requirements

Computer:

- Pentium 75 MHz or higher processor
- 64 MB available RAM
- 75 MB free on hard drive
- VGA 16 bit (65,536 colors) or higher
- Minimum Resolution 800 x 600

Operating System:

- Windows™ XP or 2000 with Service Pack 2 or higher

Features:

Advanced Image Analysis including image calibration, filtering, statistical analysis, and Regions of Interest definition, as well as scene emissivity and background correction.

OLE-2 Compliant Report Writer enables simple creation of professional quality reports using the integrated Mikron Report Writer software with your favorite Windows word processing and spreadsheet programs. It also has the ability to read and write Microsoft™ Word documents.

Industry-Leading Documentation and Support ensures easy start-up and continued access to technical assistance and support.

Free Updates for 12 Months provides you access to the latest advancements and improvements as soon as they are available — at no charge.

Windows™ Compatibility ensures flawless operation in Windows™ XP or 2000.

Multiple Color Palettes offer flexibility for optimal image clarity.

Open Architecture assures flawless operation with virtually all Mikron infrared cameras.

Multiple Languages offered within the program include English, German, Spanish and French.

16 Thornton Road • Oakland, NJ 07436 • 201-405-0900

THERMOGRAPHIC REPORT

Report Date: 9/16/2005

Acme Company	LOCATION: MCC 134
123 Main Street	EQUIPMENT ID: ID 0034
Acme, NJ 12345	SEVERITY: Problem

IFLE0084.SIT - 3/25/2003 - 1:17 PM

	Phase 1	Phase 2	Phase 3	Ambient	
Emissivity	1.00	1.00	1.00	1.00	
Max Temp *F	140.8	115.8	206.5	86.7	
Delta Ambient *F	54.0	29.1	119.7		
Phase 1-2 *F		Phase 2-3 *F		Phase 1-3 *F	
24.9		-90.6		-65.7	

PROBLEM	
RECOMMENDATION	
INSPECTOR	
ASSISTANT	
CORRECTIVE ACTION TAKEN	

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MikroSpec™ 3.1 Features

Manage Images



Sound Playback

The sound playback feature allows you to listen to sound clips saved with certain Mikron cameras.



Visible Light Images

The software allows you to view visible light images, incorporate visible light images into reports, and/or save a visible light image with its associated thermal image as single image composite.



Temperature Information

The software is able to use radiometric thermal image data, or you can manually define and imbed temperature information in an image. To manually define temperature information you must enter the values for two known temperature points on the image and allow the software to calculate the temperatures for the rest of the image based on these values.



Thumbnails

The view thumbnails feature displays thumbnails of all available thermal images in the specified directory. From the thumbnails window you can sort images by type, specify a color palette, load any of the images for detailed analysis, browse your entire file structure to access any image, or print the contents of the specified directory. An optional feature of the software also allows you to convert and save native .SIT images to a .IMG format.

Analyze Images



Analyze an Image

The image analyze feature allows you to define temperature ranges and colors to create a three channel static isotherm or a single channel dynamic isotherm. The analyzed image then provides you an easy-to-read graphic representation of discrete temperature ranges.



Regions of Interest

The regions of interest (ROIs) feature allows you to define and label up to 10 regions for the software to monitor. The software provides 14 different ROI shapes including Point, Line, Broken Line, Free Line, Circle, Annulus, Rectangle, Rotated Rectangle, Polygon, and Region. These shapes are used to automatically calculate the average temperature, minimum temperature, maximum temperature, and delta reference temperature of the defined region.

The software also allows you to automatically select the min point and max point on the image and/or add arrows to define a particular area of interest. A custom formula ROI type is also available which allows temperatures to be computed using typical Excel™ formulas.



Filter

The filter feature allows you to view portions of an image that fall within a discrete user-defined temperature range. The software masks the temperatures above and below the range that you specify, and condenses the color palette to fit within the specified range.



Invert Polarity

The invert polarity feature reverses the current color palette of the thermal image to improve image clarity. For example, if you have a gray scale image that associates white with hot, the inverted image will associate black with hot.



Line Profile

The line profile feature generates a two-dimensional graph relating distance to temperature based on the location of a line on the thermal image. In addition to the 2-D graph, the software generates statistical data including minimum, maximum, and average temperatures along the line.



3-D Profile

The 3-D profile feature generates a three-dimensional temperature profile of the thermal image. The three axis of the graph represent horizontal distance, vertical distance, and temperature.

Generate Reports



Report Writer

The MikroSpec report writer is designed to provide you with a powerful yet simple and user-friendly means for creating professional-quality reports based on data collected by your MikroSpec software. You can either run the report writer as a stand-alone word processing program or simultaneously with your MikroSpec software.

The report writer functions like a standard Windows™ word processing program, and it is OLE-2 compliant. For added flexibility and optimal functionality, you can import from and link to your favorite Windows word processing or spreadsheet programs.

Mikron reserves the right to change specifications to reflect the latest changes in technology and improvements at any time without notice. These changes will be reflected in subsequent editions of our literature when warranted.

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