

M7800 Software

For Thermal Image Processing and Report Writing



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 III, 500 MHz or higher processor
- 64 MB available RAM
- 75 MB free on hard drive
- VGA 16 bit (65,536 colors) or higher
- USB-2 Port

Operating System:

Windows™ XP

Features:

Advanced Image Analysis 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.

Multiple Color Palettes offer flexibility for optimal image clarity.

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

IPLE0034 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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M7800 Software Features

Download Images



Download Images from M7800 Camera

The software offers a download feature, which allows images to be transferred from the M7800 camera to the computer's hard disk.

Manage Images



Load Visible Light Images

The software allows you to view a visible light image (i.e. from a digital camera) and attach it to the loaded infrared image for reporting.



View 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 process radiometric thermal image data stored in the image file.



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.

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 five different ROI shapes (Point, Line, Rectangle, Circle, and Reference Point).

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 has an arrow shape to help in defining a particular area of interest.



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.

Generate Reports



Report Writer

The M7800 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 M7800 software. You can either run the report writer as a stand-alone word processing program or simultaneously with your M7800 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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