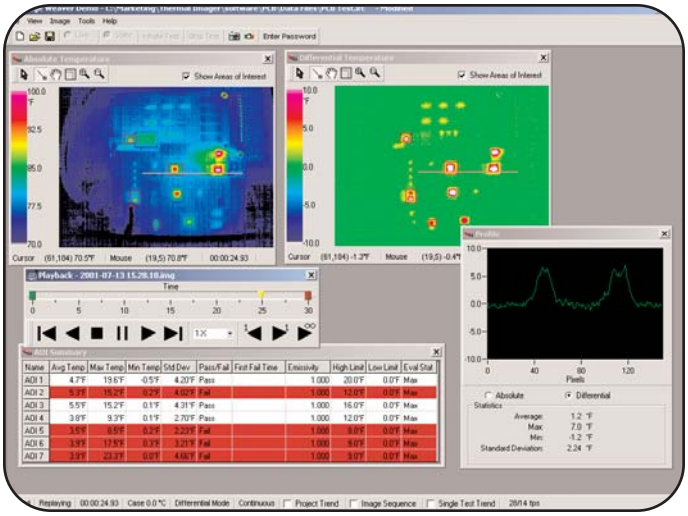
IRCON Image Analysis Software

The Next Generation of Imaging Solutions

- **For Use in Laboratory, R&D, and Process Control Applications**
- **Absolute and Differential Temperature**
- **Simple Record and Playback of your Process at any Time**
- **Alarm Summary Window Highlights Pass/Fail Conditions**
- **Provides Real-Time Temperature Data You can Use!**

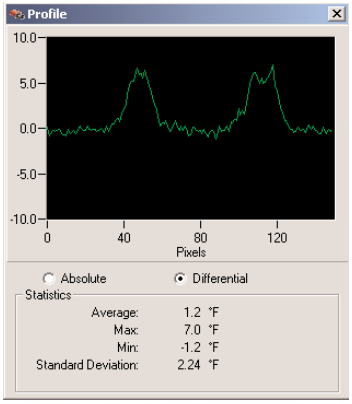


The Image Analysis Software is the foundation of IRCON's premiere suite of application software solutions. Image Analysis is the first thermal imaging software on the market that lets you capture data at speeds up to **60 Frames Per Second**. With 50 Areas of Interest (AOI) available, Image Analysis can take on even the most complex inspection processes without worry.

AOI Summary

Name	Avg Temp	Max Temp	Min Temp	Std Dev	Pass/Fail	First Fail Time	Emissivity	High Limit	Low Limit	Eval Stat
AOI 1	4.7°F	19.6°F	-0.5°F	4.20°F	Pass		1.000	20.0°F	0.0°F	Max
AOI 2	5.3°F	15.2°F	0.2°F	4.02°F	Fail		1.000	12.0°F	0.0°F	Max
AOI 3	5.5°F	15.2°F	0.1°F	4.31°F	Pass		1.000	16.0°F	0.0°F	Max
AOI 4	3.8°F	9.3°F	0.1°F	2.70°F	Pass		1.000	12.0°F	0.0°F	Max
AOI 5	3.5°F	8.5°F	0.2°F	2.23°F	Fail		1.000	8.0°F	0.0°F	Max
AOI 6	3.9°F	17.5°F	0.3°F	3.21°F	Fail		1.000	9.0°F	0.0°F	Max
AOI 7	3.9°F	23.3°F	0.0°F	4.66°F	Fail		1.000	9.0°F	0.0°F	Max

AOI Summary window lets you view actual pass/fail events as they happen

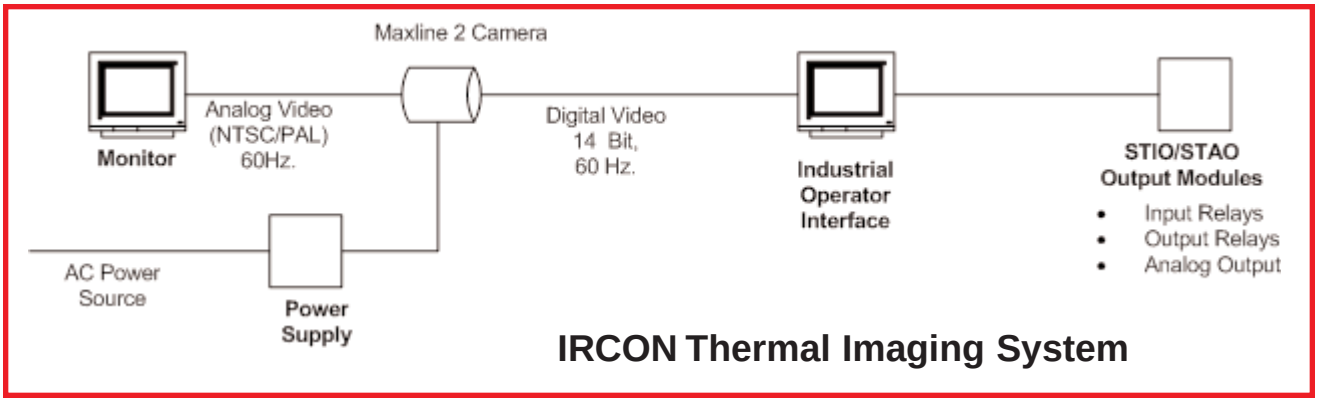


The unique Profile Screen lets you create a line on the image and display temperature on an X/Y Plot

Designed to work specifically with the Maxline 2 Thermal Imaging Camera, IRCON Image Analysis software lets you set up your AOI's, analog and relay outputs, and all other aspects of the system right from the Windows-based software.

If data trending and manipulation are intergral to your production system Image Analysis has built in functions to playback and review captured images, display alarm summarys, and independently adjust each AOI. Captured data can easily be exported to other systems via TCP/IP, serial communication, or stored in files for use with a spreadsheet. Tag data can also be imported into Image Analysis to integrate captured information with your existing database.

IRCON Image Analysis is the first true thermal imaging software for real-time control and testing in industrial applications. Features such as independent emissivity settings for each AOI and loss of signal detection help to assure you that the data you collect provides the true picture of your process!



IRCON Thermal Imaging System

Features

Image Sequence Saving
Capture large amounts of data. A user adjustable capture rate up to 60 Frames Per Second.

Data Trend Files
Store numeric data captured by the system in graphical or numeric format. Export to other spreadsheet and database programs via .csv files

Communications
Serial or TCP/IP, you chose. Data can be exported and imported into Image Analysis.

Alarm capabilities
Configure the system I/O from the software. Alarm data can be displayed on the screen and saved in separate alarm log files.

Temperature profile
Using a line as an AOI the software can display temperature as a 2D profile in a graphical format.

AOI's
Up to 50 independently configurable Areas Of Interest.

ISO 9001 : 2000
Quality System
Certified

Benefits

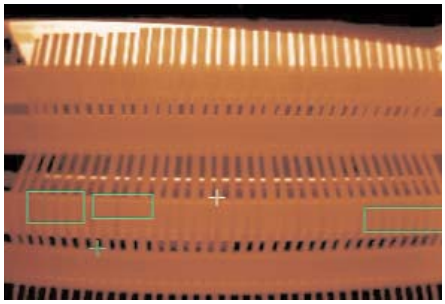
Off-line analysis
With IRCON Image Analysis you get a whole new way to improve your testing! By using the playback control tool, you can easily replay image sequence files captured from prior tests and view them at different playback speeds to see the point where product failure occurs. By viewing test results this way, you can easily manipulate your alarm set points to establish optimum pass / fail conditions.

Remote Interface
IRCON Image Analysis fits into your existing system. AOI data can be easily ported from Image Analysis via TCP/IP or serial protocol. Your data can then be viewed in Excel for statistical analysis or sent to your process control system for feedback purposes. Loading of unique project recipes, initiating and stopping tests, and saving image sequence files from your process control system are also available through this interface.

Full control of testing
Configure your alarms from the software and tie them to pass fail relays (fully expandable), as well as analog outputs.

Improved inspection performance
With Image Analysis, software is not your limiting factor. Image Analysis can collect data at 60 Frames Per Second from up to 50 independent AOI's. Each AOI can have separate alarm settings and emissivities making Image Analysis unique in the world of thermal imaging software.

The bottom line? IRCON Image Analysis software and the Stinger Thermal Imaging System helps you save money by fine tuning your testing process like never before!



IRCON Image Analysis - textile application

World Headquarters
7300 North Natchez Avenue · Niles, IL 60714 USA
Phone: 847 967 5151 or 800 323 7660 · Fax: 847 647 0948
Web site: www.ircon.com · E-mail: info@ircon.com

European Headquarters
Databankweg 6C · 3821 AL Amersfoort · The Netherlands
Phone: 31 33 450 4321 · Fax: 31 33 450 4320
E-mail: info@ircon.nl

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