

Infrared Cameras Inc.

IRFlash Professional Thermal Image Analysis Software

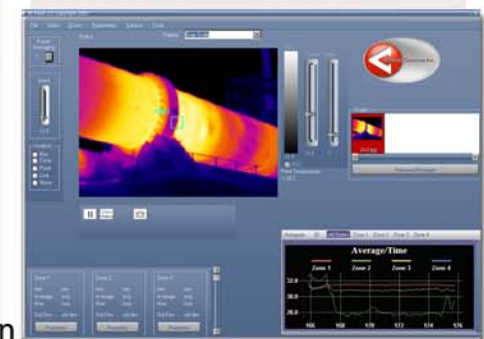
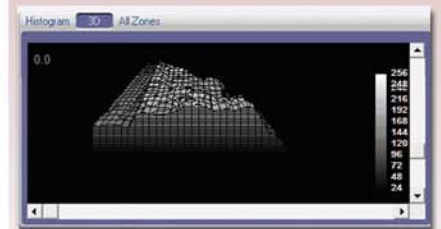
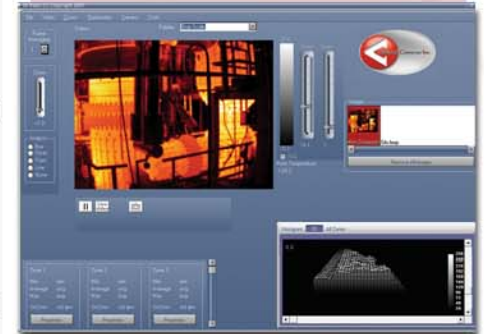
The Infrared Cameras, Inc **IR Flash** package is a state of the art thermal infrared imaging system offering an integrated process monitoring imaging system that includes a computer, the camera unit, and a dedicated software program. The core technology used in ICI systems is the latest in thermal imaging technology. All control functionality is built into the software making sure that the Infrared Cameras, Inc package is as versatile as can be developed for any and all process monitoring and control applications. Camera configuration and operation control is accomplished via USB 2.0 ICI software packages provided in the camera package.

IR Flash Thermal Imaging Software features include:

- Software is equipped with Select IR Colormap allowing for complete control over the color palette for viewing black and white IR images in color scale.
- Zoom function allows the zooming of the image data currently on screen.
- Image Averaging averages all the images from the camera into a single displayed image. Simply enter the number of frames you want averaged.
- IR Calculator provides the specialist a resources to determine the theoretical radiometric effects of Emissivity, Reflection, and Transmission on radiometric temperature values. Additionally, the second half of the Calculator allows the user the ability to adjust imaging parameters from an optical point of view.
- Maintenance allows the user an Image Touch Up feature which is a non-uniformity correction (NUC) operation.
- Manual Capture allows the user to manually pause the continuous image display and show the image where the Pause button was pressed. The capture button will capture an image from Live display and move it to the captured image group shown just below these buttons. Capture save and view unlimited images.
- Image Display Controls fine-tune the way the images are presented on screen with automatic gain control, center and span controls.
- File Control allows the user to bring images into the system and manage their display.
- Radiometric Image Calibration is camera dependent. Temperature calibration data provided by an advanced factory calibration process and installed in IRFlash resulting in superior image calibration.
- Generating Zones - Zones are regions of interest within or on your image data that are marked and configured by you. You can add, delete, and set-up each zone to function in variety of ways with a total of 48 possible zone settings. Plot both full image information in the form of a 3-D plot and as an image histogram. It also allows you to plot the temperature data over time for any/all of the zones placed on the image.
- Export data within zones in excel, csv, raw data formats .
- Adjust radiometric controls for each zone individually.



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Above: IR Flash software screenshots
Below: The ICI 7320 Thermal Imaging Camera with IR FLASH image analysis software

