



FLUKE®

IR-Fusion® Technology

Technical Data

Infrared and visual
(visible light) images
fused together on
one display

Patent-pending IR-Fusion Technology, only available on Fluke Thermal Imagers, captures a visual (visible light) image in addition to the infrared image and takes the mystery out of IR image analysis. It helps to better identify and report suspect components and enable the repair to be done right the first time.



Five viewing modes

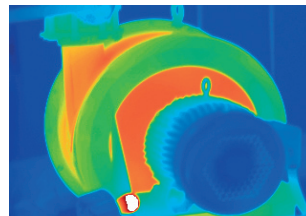
Full IR – For troubleshooting and analyzing equipment and installations with very high resolution IR imaging. For detecting the smallest temperature variations to track down the origin of problems and fully document the extent of remediation. Full IR images are automatically linked to full visual (visible light) images for reference and documentation purposes.

Picture-in-Picture – For creating an IR ‘window’ surrounded by a visual (visible light) frame to easily identify thermal anomalies, while maintaining a frame of reference with surroundings.

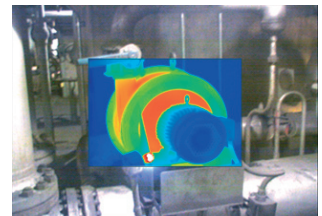
Alpha (Automatic) Blending – For combining visual (visible light) and infrared images together in any ratio to create a single image with enhanced detail that will help in precisely locating problems.

IR/Visible Alarm – For displaying only temperatures that fall above, below, or in between a specified range as IR image, leaving the rest of the scene as a fully visual (visible light) image.

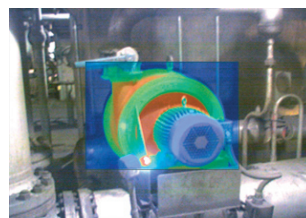
Full Visual (Visible Light) – A bright, detailed reference image of subject areas for documentation and reporting.



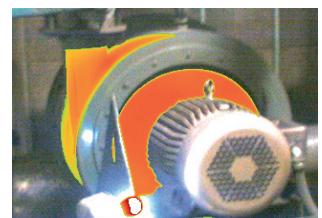
Full IR



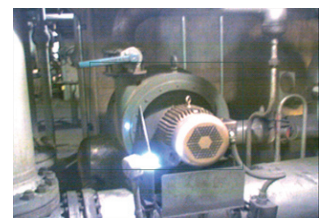
Picture in Picture



Alpha Blending



IR/Visible Alarm



Full Visible Light

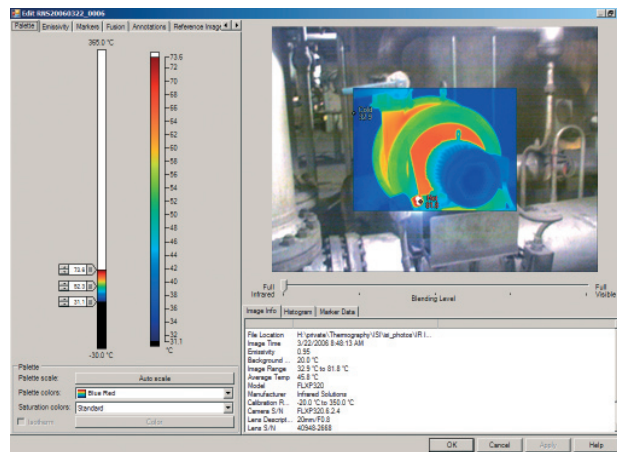
See things both ways

To communicate critical information, infrared images only are no longer enough. With the revolutionary, patent-pending IR-Fusion technology, one can better identify details, manage and analyze images by combining both the infrared and visual (visible light) images. IR-Fusion technology simultaneously captures pixel-for-pixel infrared and visual (visible light) images and allows full image optimization on-camera as well as in the software viewing modes. With the integrated laser pointer visible on the images (available on FlexCam models only), precise and accurate (faulty) component identification is very easy. All Fluke Thermal Imagers feature this unique technology*. IR-Fusion capabilities are available both on camera and in the software. Not all models support all five modes “in camera” but when images are imported into SmartView software all five modes become available.



Automated reporting and powerful control

The real power behind IR-Fusion® is the SmartView™ software included with the purchase of your Fluke Thermal Imager*. Capture and annotate hundreds of corresponding visual (visible light) and infrared images in the field and quickly import them into the SmartView suite. Here, the images can be optimized for maximum communication value—adjusting imagery within IR-Fusion’s five display modes—perform sophisticated analysis, and produce professional reports quickly and easily. SmartView’s comprehensive reporting tools are fully customizable.



Fluke. *Keeping your world up and running.®*

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Fluke Ti20 does not offer IR-Fusion and comes with InsideIR analysis and reporting software. The Ti20 includes an automatic routing feature allowing the user to create inspection routes quickly and easily.