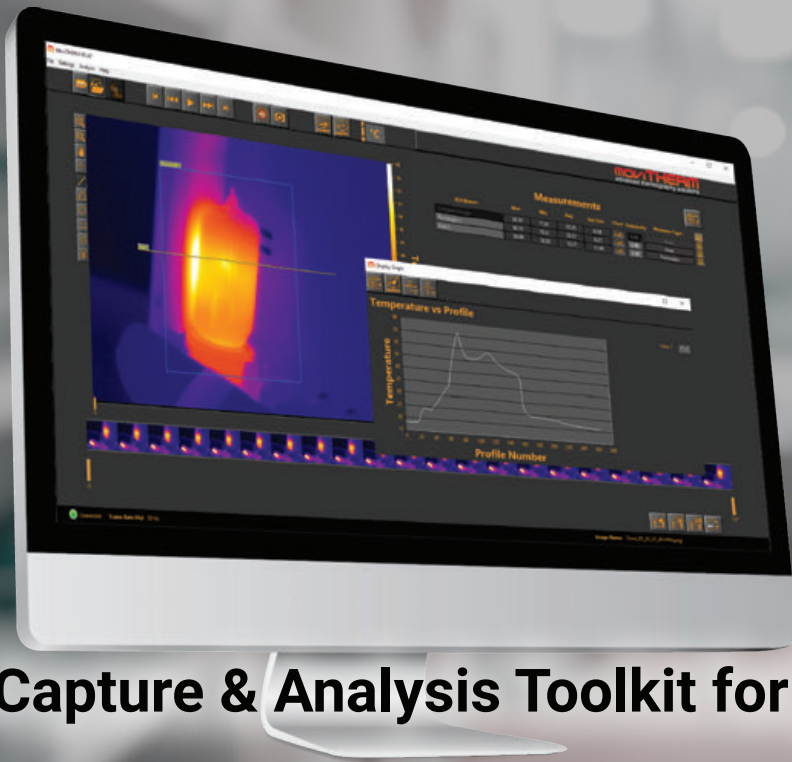


# MoviTHERM - IR-CAT



## Capture & Analysis Toolkit for **FLIR** Thermal Cameras

### MoviTHERM IR-CAT

#### Capture Analysis Toolkit

The MoviTHERM "IR-CAT" Capture Analysis Toolkit is a general-purpose thermal imaging platform for FLIR Infrared Cameras. The software toolset is optimized for research and development workflows.

#### Easy-to-use GUI simplifies Image Capture and Analysis

#### IR-CAT - Feature Highlight

- ✓ Real-Time & Offline Analysis
- ✓ Snapshot Capture & Movie Recording
- ✓ Difference Image for Dynamic Analysis
- ✓ MS EXCEL Reports Generation
- ✓ AVI Video Export
- ✓ Region-based Emissivity Correction
- ✓ Time & Event-based Recording

#### Optimized for R&D Workflows

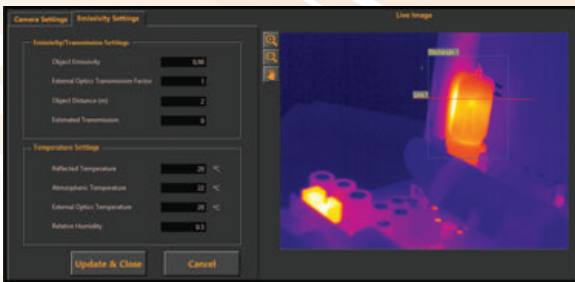
The IR-CAT workspace streamlines your workflow by providing access to the most frequently used functions. Whether you want to evaluate a real-time image stream, or post-process your data for a closer look, MoviTHERM IR-CAT gives you the tools you need to get the job done.



### Advanced Features

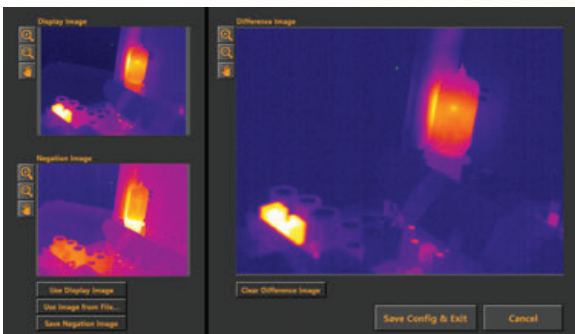
The software includes several advanced features for research and development tasks.

#### Global & Regional Emissivity Correction



Emissivity correction enables you to match the emissivity characteristics of different target materials in your inspection image. Temperature readings are reliable for homogenous objects made of a single material, or objects composed of several different source materials.

#### Difference Image



The powerful "Difference Image Function" helps you to quickly isolate the regions where temperatures are changing.

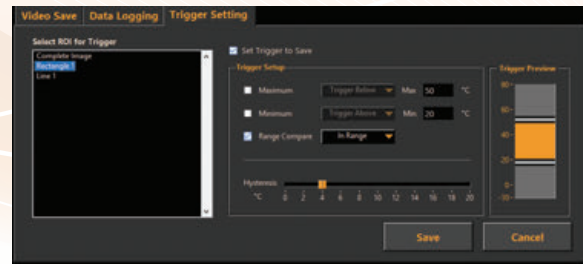
#### Supported Cameras

Depending on the requirements of your application, any of the following FLIR® Thermal Cameras are supported:

	FLIR® A35	FLIR® A65	FLIR® A315	FLIR® A615	FLIR® A6601 / A6651
					
Resolution	320 x 256 pixels	640 x 512 pixels	320 x 240 pixels	640 x 480 pixels	640 x 512 pixels
Frame Rate	60 Hz	7.5 Hz / 30Hz	60Hz	50 Hz (100/200 Hz with windowing)	60 Hz 125 Hz @ full window
Object Temperature Range	-25°C to +135°C (-13 to 275°F) -40°C to +550°C (-40 to 1022°F)	-25°C to +135°C (-13 to 275°F) -40°C to +550°C (-40 to 1022°F)	-20 to +120°C (-4 to 248°F) 0 to +350°C (32 to 662°F)	-20 to +150°C +100 to +650°C +300 to +2000°C	-20°C to 350°C (-4°F to 662°F) Optional Up to 1,500°C (2,732°F) Up to 2,000°C (3,632°F)
Accuracy	±5°C (±9°F) or ±5%	±5°C (±9°F) or ±5%	±2°C or ±2% of reading	±2°C or ±2% of reading	±2°C or ±2% of reading

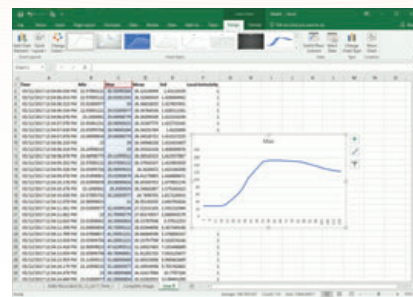
\*\* High Temperature Options available for FLIR A315, please contact MoviTHERM for details

#### Event-Based Recording



The ROI Trigger Feature allows you to trigger temperature events without requiring any external I/O hardware. When the trigger conditions are satisfied in the Region of Interest, the trigger action is executed. This feature can be used to capture images or data only when a pre-defined condition has been met, such as when the maximum temperature in a region exceeds a preset limit.

#### Export Data to MS-Excel



The "Export to Excel" function allows you to save real-time and offline data into a standard Microsoft Excel spreadsheet file.