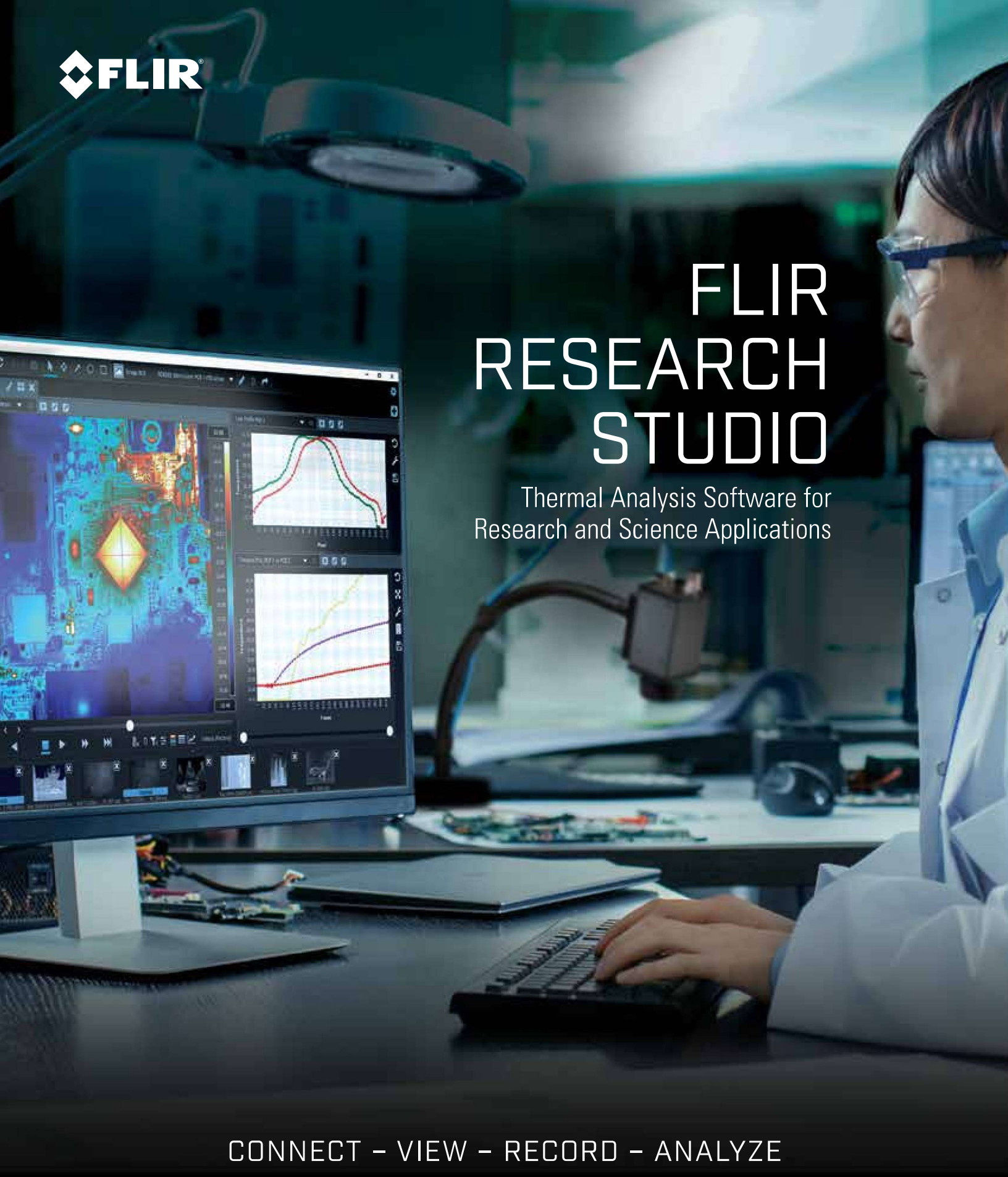


FLIR RESEARCH STUDIO

Thermal Analysis Software for
Research and Science Applications

CONNECT – VIEW – RECORD – ANALYZE

Analysis software that works the way you work

FLIR Research Studio provides users with a quick and efficient way to display, record, analyze, and report accurate thermal data. With a streamlined, intuitive GUI and unique feature set, users at all levels can effortlessly record and evaluate thermal data from multiple FLIR cameras and recorded sources simultaneously.

User-friendly, intuitive set up and control

- Set up quickly with plug-and-play camera connection
- Begin analysis immediately with streamlined workflow
- Hand off projects when needed thanks to easy-to-learn instructions
- Runs on most preferred platforms: Windows, MacOs, Linux
- Available in 22 languages

Feature-rich analysis tools

- Perform thermal measurements on objects of any shape or size
- Analyze data with line profile and time-versus-temperature plots
- Generate both types of plots simultaneously from multiple connected cameras and recorded data
- Better understand thermal impact and drift with the help of Frame Subtraction
- Share data and reduce analysis time during repeat events using workspaces
- Review and recall files using the quick-collect strip

WORKFLOW

1. Control connected cameras

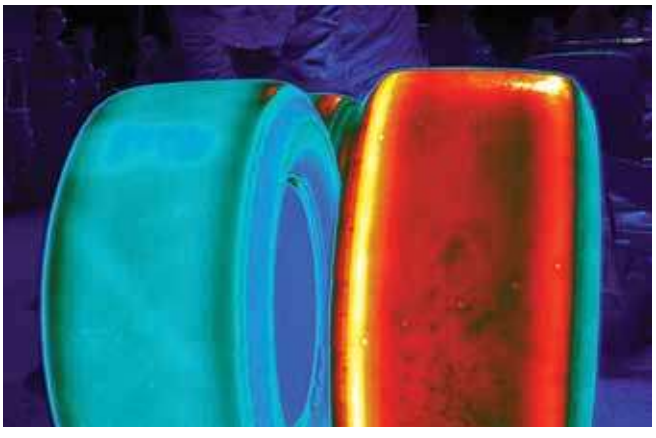
2. Thermally tune the image
Select palettes
Adjust level/span
Target regions with digital zoom

3. Record data
Take single image snapshots or infrared movie sequences

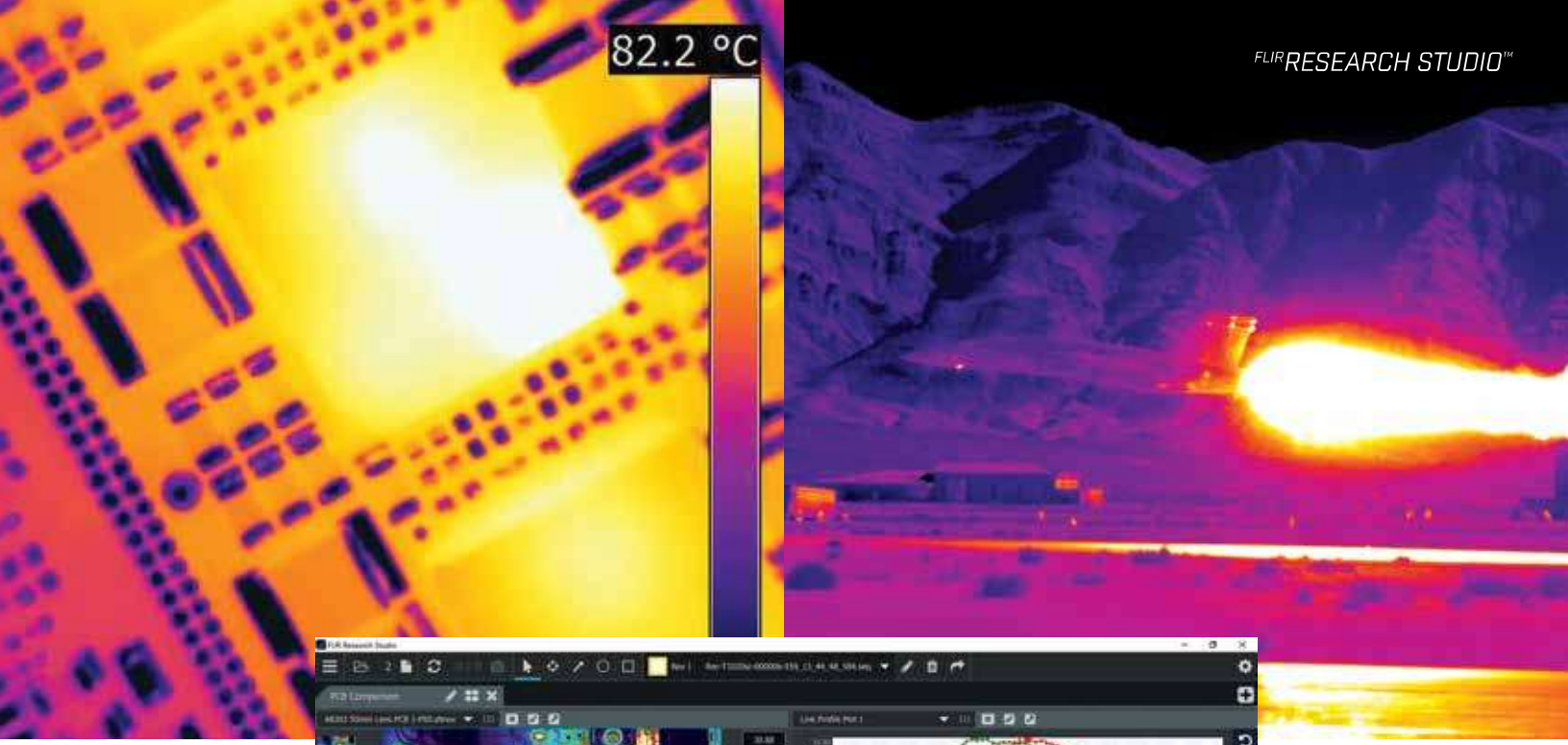
4. Playback & Analyze Data
ROIs – Spot, Line, Box, Circle
Analysis – Statistics Table, Line Profile, Temporal Plot

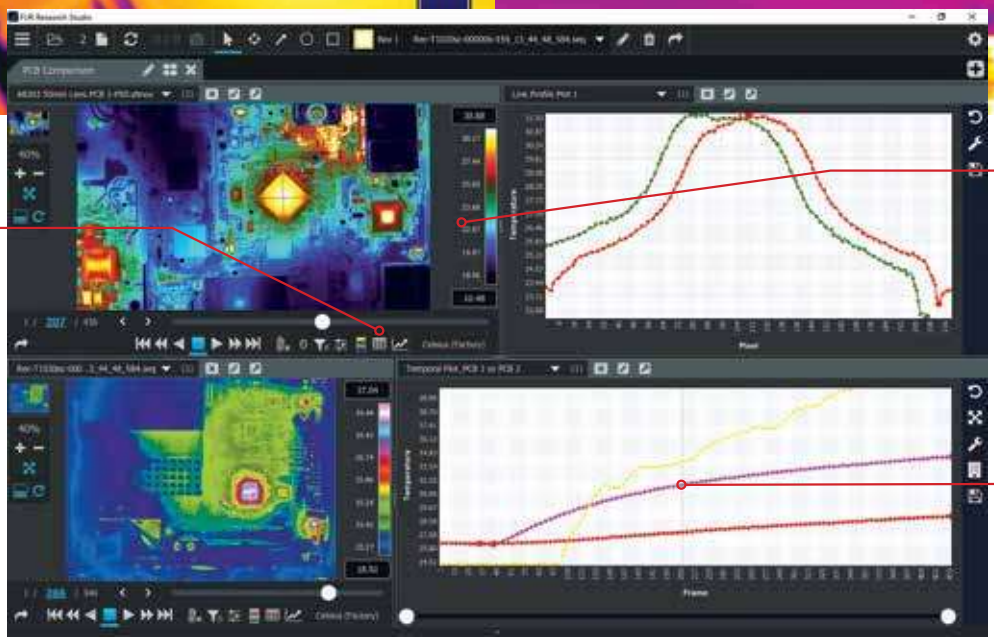
5. Export Data to 3rd-party formats
CVS and JPG/PNG/BMP/TIFF files and MPEG4 videos

6. Share data
Save and recall workspaces
View images and movies in the free player application



Thermal tire comparison



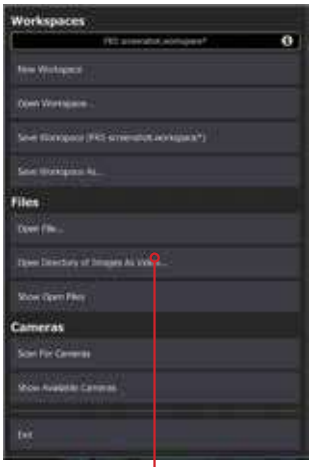


Connect multiple cameras and open multiple recorded files on the same tab or create new ones

Simplified workflow
– Connect
– View
– Record
– Analyze
– Export

Compare data from different recorded files and/or connected cameras within the same plot or chart

Simultaneously generate line profile and time-versus-temperature plots for multiple camera inputs



Reduce analysis time and eliminate confusion when sharing data by creating and sharing workspaces

Isolate specific regions of interest (ROIs) for thermal analysis or emissivity correction