

# FLIR SC7000-Series

State-of-the-art Technology Systems for R&D and Thermography Applications

- *Hypercal™ for Full Thermographic Measurement*
- *Broad Range of detectors to address any application*
- *Customizable optical interface*
- *Smart trigger and advanced capabilities*
- *Motorized filter wheel*
- *Plug & Play interface with GigE / CAMLINK*
- *Synchronous acquisition of external analogue signals*
- *Thermography analysis with Altair Software*
- *NDT and Thermomechanics with Thesa system*



## FLIR SC7000-Series Features

### A unique combination of technologies for Infrared R&D applications

The SC7000 Series is specifically designed for academic and industrial R&D applications as well as integrators who need to have a very flexible camera, with the highest sensitivity, accuracy, spatial resolution and speed at an affordable cost. The SC7000 Series are integrated systems, which complement SC5000 Series dedicated for industrial quantitative thermography and stress analysis.

### Accurate Temperature Measurement with FLIR Hypercal™

Its compact size allows implementation of the SC7000 Series into small spaces, and its removable lens interface gives complete flexibility in the optical path. The SC7000 Series is available with a wide range of detectors to address any application in single and multispectral analysis. Each of them has a programmable frame rate and integration time.

### Temperature Range Extension

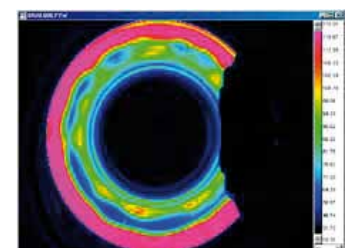
External triggering allows synchronization of the image capture to the most fleeting events with 3 external analogue signals. The SC7000 Series can be easily connected to a laptop computer through its truly plug and play and state of the art Camlink or GigE interfaces.



Signature and Range phenomenology applications gets benefit from the extraordinary versatility of the SC7000.



SC7000 systems offer a solution for every R&D measurement situation.



Brake disk analysis being conducted with a SC7000 reveals never seen before details thanks to fast and ultra sensitive detectors and electronics.

