



Workswell Active Thermography

ATI6000 Scientific Kit

Datasheet

Company contact details

Mobile: +420 739 428 433

E-mail: info@workswell.eu

Web: www.workswell.eu



Workswell ATI6000 Kit - Specification

Thermographic part	
Resolution	640 x 480 pixel camera head
Framerate	50 Hz
Temperature ranges	-40°C to +650°C (2 subranges) (optional up to 2 000°C with special filter)
Accuracy	±2% or ±2°C
Temperature sensitivity	≤0.03°C (30mK) @ 30°C
Spectral Range	7.5 – 14 μm
Dynamic range	14bit radiometric temperature data, 14bit RAW data
Calibration	Yes, calibrated both temperature ranges
Detector Type	Uncooled microbolometer
Lenses	Interchangeable and focusable, various field of view
Available Lenses	25° or 45° lens (standard 25° lens)
Remote Control	Full remote control via GigE interface from Touchscreen analysis Industrial PC
Excitation part	
Mobile Flash source generator	6000 J Power Pack, Sync function, 20kg weight
Lamp control	Industrial PC controller for direct Lamp and Thermographic system control, Signal generator for direct Flash Thermography control, Installed operating system and full control software for Active Flash Thermography analysis, Thermography CorePlayer software included
Lamp head	Halogen 6000 J Flash head
Analysis software features	
Recording	Full radiometric video sequence recording, opening, playing, etc
Analysis	Measurement functions, ROI analysis, FFT calculation, Statistical quantitative evaluating, MAX MIN, Filtering, Averaging, etc
History and Logging	Full user history logging, data saving and data management
GUI	Graphical user interface, visualization and indicator panel
Reporting	Multipage PDF reporting, IR image, Graph and text reporting
Project	User project and file editing and creating
Operating Environment	
Operating temperature	-0°C to +45°C
Storage temperature	-20°C to +60°C
Humidity	5% to 95% non-condensing
Content of delivery	Infrared camera, Lamp heads, Power pack source, cables, Industrial Computer and signal generator, calibration certificate, Active thermography software, transport cases

