

# PRESS RELEASE

03/2011

## **Small, fast, precise – Thermal imager of Optris**

### **Introduction of new stationary camera optris PI during HMI 2011**

**Berlin, 17 February 2011.** Optris GmbH introduces the second generation of the optris PI thermal imager during this year Hannover Messe in hall 11, booth A48. The camera is now equipped with a complete new detector which leads to improvements of the measurement device.

“The new generation of detectors allow the measurement of smallest objects within the range of  $\mu\text{m}$ “, underlines managing director Dr.-Ing. Ulrich Kienitz. “Thermal images can now be displayed with 120 Hz – one picture every 8 ms - due to an ideal signal processing.“

The optris PI is based on a new, small detector with 160 x 120 pixel. The detector allows a better local resolution of the device under test. Thermal processes of very small objects starting from 50  $\mu\text{m}$  can be presented, such as smallest SMD components at function tests. Precise measurements can be performed starting from a size of 0.5 mm. Exchangeable high precision lenses allow adjustment of the measurement distance and object size.

The stationary infrared camera is connected to a computer via USB2.0 and can be operated immediately after connection. The computer software optris PI Connect represents the temperature merits with up to 120 Hz (8 ms per picture). Measurement results can be captured, analysed afterwards and filed as snap shots or video sequences.

The optris PI is one of the world's smallest thermal imager (size: 45 x 45 x 62 mm) and weighs 250 gram including the lens and cable. The camera is used in combination with a Tablett-PC as a mobile device and thereby closes the cap between portable infrared snap shot cameras and pure stationary devices.

**Optris GmbH**

Technology company Optris GmbH is specialized in the development, production and sales of non-contact temperature measurement via infrared. The product range covers portable infrared thermometers, stationary infrared industry thermometer as well as infrared cameras and calibration sources. All pyrometer set new benchmarks for the application at OEM solutions and multiple applications.

**Press Contact:**

Longina Becken  
Marketing & Communication  
Optris GmbH  
Tel: +49 (0)30 / 500 197 21  
Email: [longina.becken@optris.de](mailto:longina.becken@optris.de)