

PRESS RELEASE

13/2011

Small IR camera, great resolution

New optris PI400 thermal imager captures high resolution infrared images at 80 Hz

Berlin, 22 November 2011. The newly developed optris PI400 nicely rounds off Optris GmbH's family of online infrared cameras. The versions PI400 and PI450 have been introduced on the market to complement the firmly established PI160 and PI200.

Sized 56 x 46 x 90 mm, it is the smallest camera in its class, weighing in at only 320 g with its lens included! Moreover, this latest addition to the product portfolio of the Berlin-based company offers an excellent thermal sensitivity: 80 mK for the optris PI400 and 40 mK for the optris PI450.

Radiometric thermal images and infrared videos can be displayed and recorded at the full resolution of 382 by 288 pixels at a high measuring rate of 80 frames per second. Compared to the other IR cameras, this means that four times more pixels are available for the same target surface area. In combination with the appropriate lens assembly (with a 30° or 13° aperture), the camera thus permits more detailed measurements and widens the field of applications.

This rugged thermal imager (IP67/NEMA4) is ideally suited for use in R&D applications, in test stations or in automated industrial processes. With the availability of industrial grade accessories such as a cooling housing with mounting flange and a high-temperature USB cable, this camera can be implemented even in extremely harsh industrial conditions. A mounting foot, protective enclosure and angled connector are deliverable as optional items. The price of the basic optris PI400 model is € 4,950.

The camera package comprises the license-free optris PI Connect software. This software offers features for comprehensive analysis of thermal imagery, logging of data and integration with automated processes.

An optional extension of the USB cable length up to 10 km by fibre optic cable, the analog / digital process interface (PIF) on the camera and the open-source drivers for software integration via DLL, ComPort and LabVIEW facilitate the incorporation in networks and automated processes by system integrators.

Optris GmbH

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

Press Contact:

Steffen Moeck
Marketing & Communications Manager
Optris GmbH
Ferdinand-Buisson-Straße 14
13127 Berlin
Tel: +49 (0)30 / 500 197 45
Email: steffen.moeck@optris.de