

PRESS RELEASE

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Infrared line camera of Optris as software solution

Introduction of innovative linescanner-function of the optris PI thermal imager at exhibition Control 2011

Berlin, 16 March 2011. During the 7th special exhibition “Berührungslose Messtechnik” (non-contact temperature measurement) of the Fraunhofer-Allianz *Vision* at this years Control in Stuttgart, Optris will introduce the innovative linescanner-function of the optris PI Connect software in hall 1, booth 1612.

“The extensive analysis software optris PI Connect is delivered with each of our optris PI infrared camera”, informs managing director Dr.-Ing. Ulrich Kienitz. “Besides other functions, the optris PI Connect software has an innovative linescanner-function which can be used for displaying and reliably monitoring continuous processes.”

The IR line camera is primarily used for non-contact temperature measurement at moving objects, especially if the optical path to the object is limited. The linescanner is installed for the measurement of bulk material on conveyor belts, such as carbon. A temperature monitoring at hot spots is taking place as blaze nests can lead to fire.

The linescanner-function conducts temperature measurement in one line with up to 200 pixels and displays those as a thermal image with unlimited quantity of lines. The opening angle of the camera is 60° with a wide-angle lens and can capture wide objects or conveyor belts. The camera finds ideal use in fast processes as it consists of 120 Hz (pictures per second).

The set up of the linescanner-function takes place through the optris PI Connect software. After defining the position of the line within the thermal image – the optris PI is here used as a direction help – the configuration of the functionality takes place. The number of displayed lines can be defined or the definition of a trigger signal for the automatic thermal image saving. Finally the definition of the individual layout takes place such as the display of saved images in the snapshot history.

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.

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