

New Xi 640 infrared camera from Optris

Easy entry into industrial VGA thermography

Reliable temperature measurement is a requirement for the success of many industrial processes. Berlin-based manufacturer Optris presents the Xi 640 infrared camera, a new member of its Compact Line, which enables reliable, affordable and non-contact temperature measurement in VGA resolution for mechanical engineering and the supplier industry.

With its Xi Compact Line, Optris combines the advantages of precise thermal imaging cameras with the benefits of infrared thermometers. The compact Xi 640 VGA infrared camera offers comprehensive, non-contact condition monitoring for industrial applications. With a high optical resolution of 640 x 480 pixels and a frame rate of 32 Hz in the spectral range of 8-14 μm , the VGA infrared camera can be used to monitor

fast thermal processes at temperatures between -20 °C and 900 °C. Optris has equipped the Xi 640 with an "Auto spot finder" function, which can also be used to measure the temperature of moving objects without having to readjust the camera.

Motorized focus ensures a sharp image

Like the other models in the Xi family, which has now grown to six models, the Xi 640 uses a motorized focus for convenient focusing from a distance. The image processing is carried out using the free PIX Connect software with line scan function, which is also included. Important parameters are configured via a USB 2.0 interface; a USB-to-GigE converter is optional. The Xi 640 is supplied with a process interface cable and a USB cable. The thermal imaging camera can be used in ambient temperatures between 0 °C and 50 °C as standard. Optris offers a wide range of accessories for the camera, from the air purge unit and mounting bracket to the water cooled housing, which enables ambient temperatures of up to 250 °C.

Suitable for mechanical engineering and many other industries

Thanks to its high precision, robustness and flexibility, the Xi 640, like its sibling models in the Compact Line, is predestined for use in mechanical engineering or the OEM sector. The compact camera is the simple and reliable introduction to VGA thermography for various industries.

[\[1.843 characters\]](#)

About Optris GmbH

Optris GmbH was founded in 2003 and has established itself as one of the leading manufacturers of non-contact temperature measurement devices. Its product portfolio consists of both wearable and stationary infrared thermometers and online infrared cameras for thermographic real-time analyses. Optris develops and produces in Germany to ensure the highest standard in quality as a key component of its company policy.

Images

www.optris.com/en/download

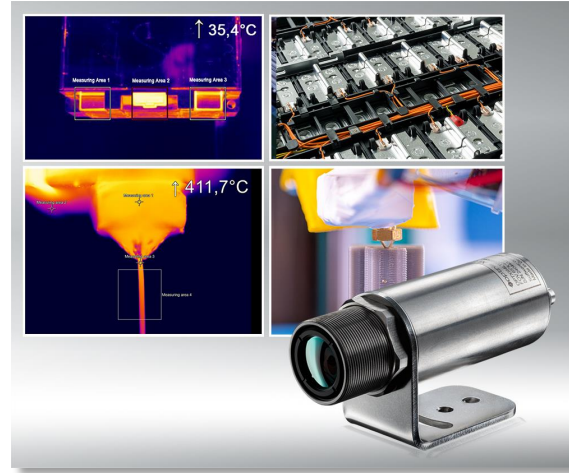
PR-2024-03_Optris_Xi 640_print.jpg

PR-2024-03_Optris_Xi 640_web.jpg

Caption:

The Xi 640 infrared camera measures temperatures between -20 °C and 900 °C in VGA resolution.

Pic: Optris



Terms of publication and use:

Please send a print copy of the publication. There is no charge for using this publication.

Please provide a specimen copy if published.