

## **Optris GmbH offers infrared camera with Industrial Mini PC for process optimisation**

### ***optris® PI NetBox for stand-alone operation, cable extension and integration with networks***

*optris® PI NetBox* is a miniature PC for the PI series of infrared cameras. It upgrades the optris PI products to stand-alone solutions or acts as USB to Ethernet adapter. This permits to implement longer distances between the process proper (PI camera) and the process monitoring system (PC). The superiority of this concept stands out specifically in high-temperature applications: fitted with a cooling jacket the PI camera can be installed local to the process and connected to the NetBox via a 20m-long temperature resistant USB cable. The NetBox is thus located outside the hot zone and acts as connector for an Ethernet cable that may be up to 100 metres in length. Dr.-Ing. Ulrich Kienitz, Optris GmbH's general manager, summarizes the advantages of stand-alone operation as follows: "Thanks to its intelligent self-monitoring features the *optris® PI NetBox* offers an excellent level of operational reliability in process automation applications."

Users can also integrate their own software for customized optimisation of their process monitoring needs. The system is based on a COM-Express mini embedded board with Intel® Atom™ Z530 processor, 2 GB SSD and 512 MB RAM. Various ports are available: 3 x USB 2.0, 1 x Mini USB in slave mode, VGA/video, Gigabit Ethernet, micro SD card (up to 32 GB). It supports a wide range of supply voltages between 8 and 48 VDC and comes with the operating system Windows XP Professional. Power over Ethernet (PoE) is also possible. The *optris® PI NetBox* supports frame rates up to 120 Hz (PI 160) and is available with an optional IP65 enclosure. This makes it ideally suited for monitoring of automated processes and for OEMs.

### **About Optris GmbH**

Optris GmbH is a leading manufacturer of non-contact measuring equipment. Optris develops and produces both portable and fixed infrared thermometers for spot measurements as well as online infrared cameras for real-time thermography analysis. Highest quality standards and Germany-based production are the central pillars of Optris's corporate policy.

## Enclosure

*optris-pi-netbox-I.jpg*

*optris-pi-netbox-II.jpg*

Nutzungshinweis: The pictures may be freely used.



*logo-optris-gmbh.jpg*

Notice of use: The logo may not be modified in any way and may be used only in connection with the *optris*® PI NetBox technology.



**For more information related to this product visit:**

<http://www.optris.com/infrared-cameras>

**For more information about our press activities visit:**

<http://www.optris.com/news-press-releases>

## Publication notice

Please feel free to reprint and distribute. May be freely used. Kindly provide a voucher copy.

This press release is valid until 30 April 2013. If you wish to use it after this date please contact us first.