

## **The only fully radiometric flight thermography on the market**

Thermal imaging camera *optris PI LightWeight* with new features

Infrared images and videos from the air - recorded by drones, UAVs and other flying objects - are becoming increasingly important in industrial maintenance. In some cases, the cost savings compared to existing applications are enormous. The relaunched *optris PI LightWeight*, a kit consisting of a weight-reduced infrared camera and an equally light mini PC now ensures even better flight thermography. When asked about the enhancement, Torsten Czech, engineer and Product Marketing Manager at Optris, declared that “customer requirements and the latest technological developments have helped shape the second PI LightWeight generation”.

### **Fully radiometric infrared video recordings**

The *optris PI LightWeight* is still the only system on the market which produces fully radiometric video recordings. The recordings can be started and stopped via remote control and subsequently edited. The system has a special interface for visual GoPro cameras.

USB GPS modules are also supported and the geographical coordinates saved in each single image. The infrared camera and the mini PC have a total weight of only 380 grams.

### **Higher resolution and large optical selection**

The new *PI LightWeight* can be fitted with the camera models *optris PI 450* (382 x 288 px) or the VGA camera *optris PI 640* (640 x 480 px). Video recordings of up to 80 Hz in QVGA resolution and up to 125 Hz in VGA sub-frame mode (640 x 120 px) are possible. The unlicensed analysis software PI Connect can be used to extract and analyse sharp single images from the video data. The cameras are powered via USB from the mini PC and have a spectral range of 7.5 to 13 µm. In addition, four different optics can be selected for each model, depending on requirements.

## About Optris

Optris was founded in 2003 and established itself as one of the leading manufacturers of non-contact temperature measurement equipment within a decade. The product range consists of both portable and stationary infrared thermometers and online infrared cameras for thermographic real time analyses. Optris products are developed and produced in Germany to ensure the highest standards in quality, a central element of company policy.

## Images

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