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Thermographic Precision made in Germany: Jenoptik launches new VarioCAM® High Definition Thermography Camera Series

Setting new standards for thermographic accuracy and precision, the new VarioCAM® HD is the worldwide first uncooled, handheld thermography camera offering 3.1 Megapixel infrared resolution and featuring a laser rangefinder for distance correction.

Jenoptik is pushing thermal imaging quality one more step further towards photorealistic image quality. The new VarioCAM® HD records radiometric images and images sequences of 1024 x 768 pixel resolution at a frame rate of up to 30 Hz. Additionally, Jenoptik's opto-mechanical Resolution Enhancement (RE) technology boosts the XGA resolution to a maximum real-time resolution of 3.1 megapixel – which is unique for thermography cameras. In this effect, Jenoptik continues the success story of the proven VarioCAM® high resolution, predecessor of the VarioCAM® HD series.

As a world debut for thermography, VarioCAM® HD features an eye-safe Jenoptik laser rangefinder for object distance measurement. The distance information is used for thermal image correction – thus increasing measurement accuracy – and also supports the camera's integrated auto-focus function. A GPS module enables tagging of geo-information to image data. Additional VIS still-image or video data is acquired by an integrated 8 Megapixel CMOS camera.

Comfortable image control and ergonomic handling

What you see is what you get: VarioCAM® HD features an extra-large and tough 5.6" TFT display and tiltable LCoS viewfinder for image display and camera control. The bright display with 1280 x 800 pixel resolution is suitable for use under daylight conditions and allows for on-site temperature analysis either in real-time live-view or of recorded thermograms. Despite of its IP54 proof tough industrial quality housing, the camera is handy and allows for easy, ergonomic one-hand operation.

Multiple standard interfaces for best connections

For easy and reliable remote camera control and image transfer a variety of industrial standard interfaces are available, including GigE-Vision and wireless interfaces such as WLAN or Bluetooth.

High quality infrared optics for any application

Matching a broad variety of thermal imaging applications, a great choice of high quality infrared optics is available, ranging from wide angle to telephoto lenses. Designed and manufactured by Jenoptik's Optical Systems division, the lenses are perfectly adapted to the new VarioCAM® HD.

A versatile tool for multiple thermal imaging applications

Typical applications for the versatile VarioCAM® HD encompass high end industrial and scientific research & development, predictive & preventive maintenance or building inspection.

VarioCAM® on public display at trade shows

The new VarioCAM® HD is launched in public for the first time:

- in North America at the SPIE Defense, Security + Sensing Symposium in Baltimore, MD, USA by JENOPTIK Defense, Inc. (booth 539) and
- in Germany at the Hannover Industrial Fair by InfraTec GmbH (hall 17, booth D04).

www.jenoptik.com/variocam



VarioCAM® photo downloads: <http://www.jenoptik.com/en-variocam-photos>



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About Jenoptik and the Jenoptik-division Defense & Civil Systems

As an integrated optoelectronics company Jenoptik engages actively in the five segments Laser & Material Processing, Optical Systems, Industrial Metrology, Traffic Solutions, and Defense & Civil Systems. The company serves customers in the semiconductor and semiconductor equipment industries, in the automotive and automotive supplier industries, in the medical, security, and defense technology industries, and in the aviation industry.

Focus areas of the division Defense & Civil Systems are vehicle and aviation equipment, drive and stabilization technologies, optoelectronic instruments, systems for the defense and security industries, as well as versatile and innovative sensors and measurement solutions for industrial control and automation.

Jenoptik's expertise in development and production of thermography cameras and thermal imagers for various applications builds on more than 25 years of experience. The successful VarioCAM®, VarioTHERM® and IR-TCM camera series already are used by engineers and scientists worldwide.

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