

Press Release

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VarioCAM® High Definition – Thermographic high-resolution Camera for thermal Optimisation of Modules and Components Detect smallest Defects securely with 3.1 Megapixels

Thermal optimisation of modules and components is a key point when developing new products. Thermographic systems are perfectly suited for analysis of thermal behaviour of circuit boards and detection of hotspots.

For the first time, mobile thermographic microbolometer cameras with a detector format of (1,024 x 768) IR pixels are available with the brand-new generation of the VarioCAM® HD, which is made by the German manufacturer Jenoptik. With the opto-mechanical Microscan feature, which was conceived for continuous operation, images with resolutions of up to (2,048 x 1,536) IR pixels can be generated. This ensures the secure detection of even smallest defects.

Capturing large modules is now possible with one recording only, which in addition offers sharpest detail resolutions. Therefore, the user will not have to repeat test procedures in order to examine entire large units with greater detail. Complex measurement objects can be captured thermographically with unprecedented precision and efficiency. Furthermore, material costs of irreversible test procedures can be prevented.

The new VarioCAM® HD by Jenoptik follows the deep-seated Jena lens-tradition of always striving for highest perfection and quality. A high-resolution 5.6" colour display with highest brilliance and luminosity gives the user access to the numerous features of this innovative top-of-the-line product: the thermographic image is displayed with native resolution and highest colour intensity and therefore allows the user to take advantage of the VarioCAM® HD's outstanding thermal and geometric resolutions already during the image acquisition. The integrated digital 8 megapixel camera with HD video capturing enables to save visual and thermographic recordings synchronously.

The fully radiometrical storage of quick infrared sequences is done via GigE Vision interface in compressed formats with up to 240 Hz. The files can be stored on an internal SDHC card or directly on a control computer's hard drive - triggered manually, time-triggered or action-triggered.

The extensive assortment of lenses and optics rounds out the range of possible test objects from microthermography to telephoto applications for objects in large distances. In accordance with Jenoptik's quality guidelines, the optics of the VarioCAM® HD camera series are designed for uncompromising full lenses with an f-number of 1.0, highest transmission quality and lowest distortion.

With the thermography evaluation software IRBIS® 3 by InfraTec, captured data can be evaluated comfortably and effectively. Different service packages are available to suit the respective demands of every user.

Information: 2,826 characters (counting spaces)

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