

Press Release



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Thermal Images in Photo Quality: Jenoptik Launches new High Definition Thermography Camera for System Integration

The new IR-TCM HD camera series supplements the hand-held thermography cameras of the VarioCAM® HD series, first introduced at SPIE Defense, Security + Sensing.

Setting new standards for thermal imaging precision

IR-TCM HD cameras use an un-cooled infrared detector with 1024 x 768 pixels for thermal image acquisition. Using Jenoptik's optomechanical Resolution Enhancement technology, IR-TCM HD cameras produce thermograms and image sequences with a spatial resolution of up to 3.1 megapixels and with a temperature resolution of up to 50 millikelvins in real time. If acquisition speed matters, IR-TCM HD's subframing capability allows for frame rates up to 240 fps.

Multiple interface options for best connections

For simple system integration, camera control, and data output, a variety of standardized interface options are available, for example, GigE-Vision, DVI-D, C-Video, WLAN, or Bluetooth.

A versatile tool for many thermal imaging applications

The need to produce precise and detailed analyses of temperature distributions puts high demands on the temperature resolution and spatial resolution of thermography cameras, particularly in the case of measuring large objects or measuring objects from long distances.

The IR-TCM HD thermography cameras offer unique performance quality for such applications.

Typical applications for the IR-TCM HD are found in the areas of industrial and scientific research & development, automation technology, process control, and aerial photography.



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Made by Jenoptik: 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 IR-TCM HD cameras.

IR-TCM HD on public display at trade shows

The new IR-TCM HD will be launched in the USA, at the SPIE Photonics West show from February 5-7, south hall, booth 1214, exclusively by JENOPTIK Defense, Inc.



IR-TCM HD thermography camera (Photo: Jenoptik)

High resolution press photos for download:

<http://www.jenoptik.com/en-sensorsystems-press-photos>

For further information about the new IR-TCM HD series and Jenoptik's infrared technology product line, please visit our website at: <http://www.jenoptik.com/infraredtechnology> or contact us directly.



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About Jenoptik and the Defense & Civil Systems division

As an integrated optoelectronics group, Jenoptik divides its activities into five divisions: Laser & Material Processing, Optical Systems, Industrial Metrology, Traffic Solutions, and Defense & Civil Systems.

Its customers around the world mainly include companies in the semiconductor and semiconductor equipment manufacturing industry, automotive and automotive supplier industry, medical technology, security and defense technology as well as 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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