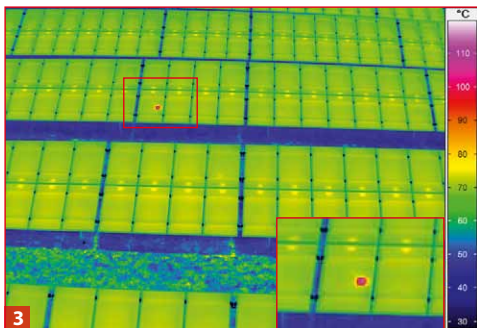
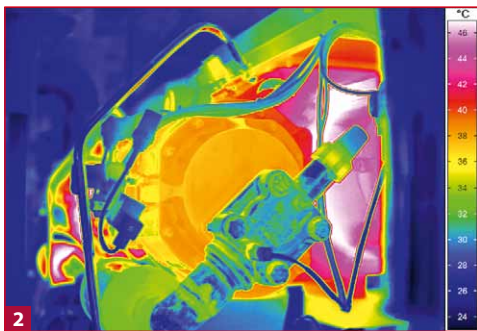


Infrared Thermography

VarioCAM[®] High Definition



- 1) VarioCAM[®] HD from Jenoptik
- 2) Transmission
- 3) Photovoltaic power plant

InfraTec

Europe's leading specialist for infrared sensors and measurement technology

- Microbolometer camera with (1,024 x 768) IR pixels
- Frame rate of up to 240 Hz, GigE-Vision interface
- Integrated light-sensitive digital 8 MP camera
- 5.6" colour TFT display with (1,280 x 800) pixels
- Laser rangefinder and GPS sensor
- Made in Germany

www.InfraTec.de



NEW

Spectral range	(7.5 ... 14) μm
Detector,	Uncooled Microbolometer Focal Plane Array
Detector format (IR pixels)	(1,024 x 768)
Temperature measuring range	(-40 ... 1,200) $^{\circ}\text{C}$, optional up to 2,000 $^{\circ}\text{C}$
Measurement accuracy	$\pm 1.5^{\circ}\text{C}$ or $\pm 1.5\%$
Temperature resolution @ 30 $^{\circ}\text{C}$	Better than 0.05 K
Frame rate	30 Hz (full screen mode)/60 Hz (640 x 480)/120 Hz (384 x 288)/240 Hz (1,024 x 96)
Digital colour video camera	8 Megapixels, with a LED video light, vision mixer and cross-fade feature
Lens (field of view)	1.0/15 mm (67 x 50) $^{\circ}$ wide angel lens 1.0/30 mm (32 x 24) $^{\circ}$ standard lens 1.0/60 mm (16 x 12) $^{\circ}$ tele lens
Image storage	SDHC-card, GigE-Vision up to 240 Hz, internal real-time storage
Dynamic range	16 Bit
Interfaces	GigE-Vision; DVI-D; C-Video; RS232; Trigger; WLAN; USB 2,0; Bluetooth
Power supply	Lithium-Ion battery (quick rechargeable, with status display), AC adapter
Laser pointer	Red semiconductor laser, laser safety class 2
Operation temperature; Storage temperature	(-25 ... 50) $^{\circ}\text{C}$, (-40 ... 70) $^{\circ}\text{C}$
Encapsulation	IP54, IEC 529
Impact strength/vibration resistance in operation	25 G (IEC 68 - 2 - 29), 2 G (IEC 68 - 2 - 6)
Display	5.6" colour TFT display (1,280 x 800) pixels
Dimensions	(210 x 125 x 155) mm
Weight	1.7 kg
Further functions	Laser rangefinder (up to 70 m), integrated GPS sensor

For the first time, mobile thermographic microbolometer cameras with a detector format of (1,024 x 768) IR pixels and therefore a 2.5 times higher resolution than previous high-class models are available with the VarioCAM[®] HD, which is manufactured by the German manufacturer Jenoptik. In connection with the outstanding thermal resolution and high-luminosity precision optics, crystal clear high-precision thermal images can be taken. Large test objects can be captured thermographically with unprecedented efficiency.

- With optomechanical Microscan function with up to (2,048 x 1,536) IR pixels
- Digital real time data interface GigE-Vision for high-speed image transmission
- Image storage of fast IR sequences on a SDHC card
- Vision mixer and cross-fade feature, synchronous display of thermal and video images in real-time
- Voice recording and text annotation
- Wide standard range for temperature measurements
- Li-ion battery technology, standard battery, operating time of up to 3 hours
- Wireless camera control and data acquisition via WLAN
- Comfortable control software with numerous measurement functions
- Solid light metal housing (IP54) for harsh industrial applications
- Easy operation, diverse automatic functions
- Large assortment of premium-quality full optics (f/1.0)



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