

PACKAGE
14,950 EUR**
Incl. Standard Lens and
Software IRBIS® 3 report

VarioCAM® HDx inspect 625

Portable Thermographic Camera for Efficient Inspections
of Mechanical and Electrical Assets

INFRAtec.

Your InfraTec expert package for asset inspections
incl. IRBIS® 3 report for a convenient automatic report creation

Microbolometer detector with (640 × 480) IR pixels, up to (1,280 × 960) IR pixels with DRE function

Integrated, light-sensitive 8 MP digital camera, image merging

High-resolution 5.6" colour TFT display with (1,280 × 800) pixels

Compact light metal housing, intuitive single-hand operation and numerous
automatic functions guarantee excellent handling

Special software IRBIS® 3 report for an efficient creation of professional reports

Individual creation of templates

Automatic processing of data quantities

640
×
480
Detector

5.6"
TFT

8 MP

The expert package includes:

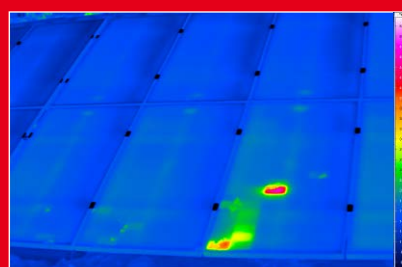
VarioCAM® HDx 625

Incl. Standard Lens

+ IRBIS® 3 report



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Spectral range	(7.5 ... 14) μm
Detector	Uncooled microbolometer focal-plane array
Detector format, thermal image format (IR pixels)	(640 \times 480), with DRE function up to (1,280 \times 960)
Temperature measuring range	(-40 ... 600) $^{\circ}\text{C}$, up to 1,700 $^{\circ}\text{C}^*$
Measurement accuracy	$\pm 2^{\circ}\text{C}$ or $\pm 2\%$
Temperature resolution @ 30 $^{\circ}\text{C}$	Up to 0.03 K
Frame rate	Full-frame: 30 Hz (640 \times 480), sub-frame: 60 Hz (384 \times 288)
Storage media	SDHC Card, external control computer for camera control and data acquisition*
Image storage	16 bit single frames or video streaming in MPEG format
Lens mount	Bayonet to switch objectives comfortably, automatic objective detection and data transfer
Focus	Motor-driven, automatic or manual, accurately adjustable
EverSharp function*	Multifocal recording allows for maximum extend of sharp focus
Zoom	6 \times digital, stepless
Digital colour video camera	8 Megapixels, LED video light
Dynamic range	16 bit
Interfaces*	DVI-D (HDMI), C-Video, RS232, USB 2.0, WLAN, GigE Vision*, Bluetooth*
Tripod adapter	1/4" photo thread
Power supply	Standard Lithium-Ion battery, energy save mode, AC adapter, (12 ... 24) V DC
Integrated microphone and speaker	Voice annotation feature, replay and audio dubbing
Laser range finder	Semiconductor laser red, laser protection class 2
Integrated GPS sensor*	Image integrated storage of position data
Display	5.6" colour TFT display (1,280 \times 800) pixel, 170 $^{\circ}$ rotatable and 280 $^{\circ}$ revolvable, daylight suited, incl. flip mirror feature
Single-handed operation	Intuitive operation with ergonomically arranged function keys and multifunctional joystick, programmable keys
Storage and operation temperature	(-40 ... 70) $^{\circ}\text{C}$, (-25 ... 55) $^{\circ}\text{C}$
Protection degree	IP54, IEC 60529
Impact strength, vibration resistance in operation	25 G (IEC 68 - 2 - 29), 2 G (IEC 68 - 2 - 6)
Dimensions; weight	(210 \times 125 \times 155) mm; 1.6 kg (basic configuration with standard lens)
Automatic functions	Autofocus, autoimage, autolevel, min./max. temperature alarm: visual/ acoustic
Measurement functions	4 freely selectable, movable measurement fields/ -points, automatic hot/ cold spot display, globally and within defined measurement fields, differential temperature measurement, temperature profile, histogram, differential image, isotherms display
Further functions	Shutter-free operation, temperature alarm, image merging, synchronous display of thermal and visual image in real-time
Analysis and evaluation software	IRBIS $^{\circ}$ 3 report, IRBIS $^{\circ}$ 3 plus*, IRBIS $^{\circ}$ 3 professional*, IRBIS $^{\circ}$ 3 view*, IRBIS $^{\circ}$ 3 remote HD*, IRBIS $^{\circ}$ 3 online*, IRBIS $^{\circ}$ 3 process*, IRBIS $^{\circ}$ 3 vision*, IRBIS $^{\circ}$ 3 active*, IRBIS $^{\circ}$ 3 mosaic*, FORNAX 2*, FORNAX 2 plus*

For all those who want to purposefully detect weak points in the course of maintenance, InfraTec offers a complete package with a portable thermographic camera of the premium class together with efficient report software **for just 14,950 Euro****. The new **VarioCAM $^{\circ}$ HDx 625** is equipped with a large-size microbolometer detector and, in combination with light-sensitive precision interchangeable lenses, offers images in superb quality as a basis for professional inspections e.g. images of photovoltaic systems, electrical and mechanical systems. The package is rounded off by the report software **IRBIS $^{\circ}$ 3 report**. Thanks to customisable templates in accordance with the VdS guideline, even high volumes of data can be documented easily as a report in PDF format.

Lens	Focal lens (mm)	FOV ($^{\circ}$)
Wide-angle lens	10	(57.1 \times 44.4)
Standard lens	20	(30.4 \times 23.1)
Telephoto lens	40	(15.5 \times 11.6)
Macro and microscopic lenses	Min. object distance (mm)	Pixel (μm)
Close-Up 0.2 \times for lens: 40 mm/20 mm	137	60/121
Close-Up 0.5 \times for lens: 40 mm/20 mm	47	24/49
Microscopic lens M=1.0 \times	50	17

Additional infrared interchangeable lenses are available on request.

* Optional

** Payment terms: 14 days, errors and price alterations excepted. Prices are to be understood plus legal VAT and shipping costs. Sales are exclusively for commercial customers, government and public institutions. Final prices depend on configuration.

Headquarters

InfraTec GmbH

Infrarotsensorik und Messtechnik

Gostritzer Str. 61 – 63

01217 Dresden / GERMANY

Phone +49 351 871-8630

Fax +49 351 871-8727

E-mail thermo@InfraTec.de

USA office

InfraTec infrared LLC

5048 Tennyson Pkwy.

Plano TX 75024 / USA

Phone +1 844-226-3722 (toll free)

E-mail thermo@InfraTec-infrared.com