

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

# VarioCAM® HDx build 625

Inspect Buildings Conveniently with Portable  
Thermographic Camera

## INFRAtec.

Your InfraTec expert package for building thermography

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

Integrated light-sensitive 8 MP digital camera

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

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

Prepare comprehensive reports efficiently with professional building thermography software

Integrated climate and building materials database for moisture simulation

Comprehensive damage analysis and energy costs forecast



The expert package includes:

**VarioCAM® HDx 625**

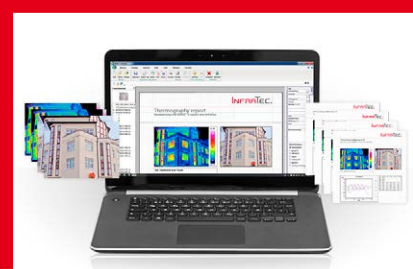
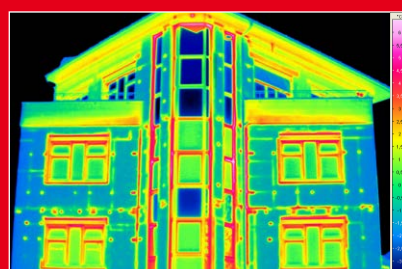
Incl. Standard Lens

+ IRBIS® 3 report

or FORNAX 2



[www.InfraTec.eu](http://www.InfraTec.eu)





Spectral range	(7.5 ... 14) $\mu\text{m}$
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 1,200 $^{\circ}\text{C}^*$
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, FORNAX 2, 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 plus*

For all those who want to purposefully detect and professionally analyse energy losses and concealed damage to buildings, InfraTec offers a complete package. Already for **14,950 EUR\*\*** you can obtain a portable thermographic camera of the premium class together with a building thermography software package, with which you can prepare very efficient, detailed damage analyses, forecasts e.g. for the danger caused by mildew and meaningful reports. The large-size microbolometer detector of the **VarioCAM $^{\circ}$  HDx 625** in combination with high-speed precision, interchangeable lenses offers images in superb quality.

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 ( $\mu\text{m}$ )
Close-Up 0.5 $\times$ for lens: 40 mm / 20 mm	47 / 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.

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