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

The expert package includes:

VarioCAM® HDx 625
Incl. Standard Lens
+ IRBIS® 3 report

www.InfraTec.eu
Spectral range: (7.5 ... 14) µm
Detector: Uncooled microbolometer focal-plane array
Detector format, thermal image format (IR pixels): (640 × 480), with DRE function up to (1,280 × 960)
Temperature measuring range: (-40 ... 600) °C, up to 1,700 °C*
Measurement accuracy: ± 2 °C or ± 2%
Temperature resolution @ 30 °C: Up to 0.03 K
Frame rate: Full-frame: 30 Hz (640 × 480), sub-frame: 60 Hz (384 × 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: 6x digital, steppless
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 × 800) pixel, 170° rotatable and 280° 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) °C, (-25 ... 55) °C
Protection degree: IP54, IEC 60529
Dimensions; weight: (210 × 125 × 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® 3 report, IRBIS® 3 plus*, IRBIS® 3 professional*, IRBIS® 3 view*, IRBIS® 3 remote HD*, IRBIS® 3 online*, IRBIS® 3 process*, IRBIS® 3 vision*, IRBIS® 3 active*, IRBIS® 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 16,445 Euro**. The new VarioCAM® 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® 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.

<table>
<thead>
<tr>
<th>Lens</th>
<th>Focal lens (mm)</th>
<th>FOV (°)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wide-angle lens</td>
<td>10</td>
<td>(57.1 × 44.4)</td>
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<tr>
<td>Standard lens</td>
<td>20</td>
<td>(30.4 × 23.1)</td>
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<tr>
<td>Telephoto lens</td>
<td>40</td>
<td>(15.5 × 11.6)</td>
</tr>
<tr>
<td>Macro and microscopic lenses</td>
<td>Min. object distance (mm)</td>
<td>Pixel (µm)</td>
</tr>
<tr>
<td>Close-Up 0.2x for lens: 40 mm / 20 mm</td>
<td>137</td>
<td>60 / 120</td>
</tr>
<tr>
<td>Close-Up 0.5x for lens: 40 mm / 20 mm</td>
<td>47</td>
<td>24 / 49</td>
</tr>
<tr>
<td>Microscopic lens M=1.0x</td>
<td>50</td>
<td>17</td>
</tr>
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</table>

Additional infrared interchangeable lenses are available on request.

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