VarioCAM® HDx head

Entry-level Access to Stationary Thermography at Premium Level

Europe’s leading specialist for infrared sensors and measurement technology

Microbolometer detector with (640 x 480) IR pixels
GigE Vision interface
Robust light metal housing (IP67)
Wide range of lenses
Convenient camera control and data acquisition
Made in Germany

1) VarioCAM® HDx head
2) Optimisation of electronic components
3) Heating of a drive
The thermographic camera VarioCAM® HDx head is based on an uncooled microbolometer FPA detector with (640 × 480) IR pixels. Thanks to its wide standard temperature measuring range it is suitable for universal measuring, testing and monitoring tasks in many sectors. Even the low-cost models of the VarioCAM® HDx head as entry-level access to the class of professional, stationary microbolometer thermography systems provide brilliant thermographic images in high quality that can be created and evaluated very easily using the powerful software family IRBIS® 3. The high-quality processing, modular design and motorised focusing are among the details that benefit users.

The VarioCAM® HDx head convinces with its extensive range of standard options. The range includes automatic threshold detection and signalling by means of digital real-time image acquisition via the integrated GigE Vision interface as well as online processing of thermographic data for controlling time-critical thermal processes. With the industrial-grade light metal housing (IP67) installations in manufacturing processes are easily possible even in harsh process environments. Even monitoring tasks requiring automatic continuous operation can be implemented easily.

Application areas:
- Real-time thermography for industry and science
- Assembly control and process monitoring
- Machine and plant monitoring
- Security engineering
- Early fire detection

Additional infrared interchangeable lenses are available on request.