

Press Release

InfraTec GmbH Infrarotsensorik und Messtechnik

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ImageIR® c7300: Focus on the Essentials **New Compact-Line Camera is Compact, Capable and Cost-effective**

For users focused on cost-effectiveness, InfraTec now offers cameras with predefined configurations as the **Compact-Line**. The ImageIR® c7300 is the ideal choice for cost-conscious users looking for a compact, high-performance infrared camera with cooled photon detector technology. The first new camera in the Compact-Line series offers high measurement precision for demanding tasks, while prioritizing cost efficiency over individually optimized camera performance.

The ImageIR® c7300 is particularly well-suited for continuous commercial use: Its heavy-duty, MWIR long-life cooler with an average service life of 28,000 hours enables reliable, cost-effective measurements in 24/7 operation. Compact size, a wide range of mounting options, and low weight make it easy to integrate the ImageIR® compact into systems, test benches, and automation solutions.

ImageIR® c7300: Well-equipped for Tasks in Industry, Research, and Monitoring

The integrated 5-position filter wheel provides a standard measurement range of (-10 ... 1,500) °C, which can be optionally extended to 3,000 °C. Thus, the ImageIR® compact is suitable for a wide variety of applications in industry, research, and monitoring. A wide range of high-quality infrared lenses with fixed focal length is available to accommodate the size of the test objects and the specific details to be analyzed. The ImageIR® c7300 can be conveniently operated and configured via a web interface. Power is supplied via a wide-range power supply or via PoE.

A Wide Range of Interfaces for Easy Integration

When it comes to integration, the ImageIR® c7300 proves practical: On-camera calibration data enables an easy plug-and-play installation. The camera is equipped with interfaces for reliable and fast data transmission (GigE) be integrated as well as for software integration and control (GenICam / GigE Vision). In addition, the ImageIR® compact camera enables highly precise and repeatable output of internal trigger signals as well as processing of external trigger signals.

ImageIR® compact: Cooled Thermal Imaging Cameras for Cost-conscious Customers

With the ImageIR® compact cameras, InfraTec is expanding its portfolio of cooled infrared cameras with a series of models that consistently combine performance tailored to specific requirements, a compact design, and an attractive price-performance ratio. These cameras, including the new ImageIR® c7300, come with a predefined configuration focusing on the capabilities that are key to many measurement tasks: reliable radiometric temperature measurement, excellent image quality, high frame rates (snapshot image acquisition), and easy integration into existing processes.

Information: 2,774 characters (incl. spaces)

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About InfraTec

The InfraTec infrared sensor and measurement technology company was founded in 1991 and has its headquarters in Dresden, Germany. The privately held company employs more than 240 employees and has its own design, manufacturing and distribution capabilities.

With its infrared measurement business unit, InfraTec is one of the leading suppliers of commercial thermal imaging technology. In addition to the camera series ImageIR® and the camera series TaxisIR® and VarioCAM® High Definition, InfraTec offers turnkey thermographic automation solutions e.g. for industry processes, non-destructive testing and fire detection and prevention.

The Infrared Sensor division produces custom-made components – especially pyroelectrical infrared detectors – for clients worldwide. The product range includes analogue single and multi-channel detectors as well as digital multi-channel detectors (PyriQ®) and high-performance detectors (PYRONEER®) for analytical instruments. The detectors are used in gas analysis, fire and flame sensors and spectroscopy.

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Image



Fokus auf das Wesentliche
Kompakt | Leistungsstark | Preiswert

ImageIR® c7300 from Compact-Line, Picture credits: © iStock / vm

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