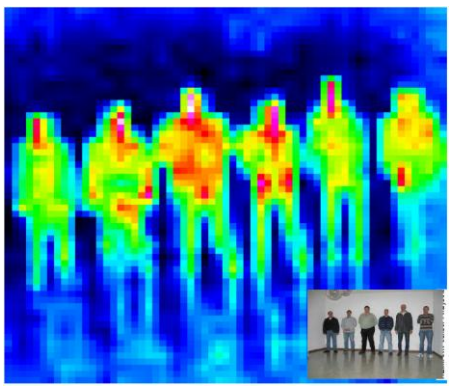
HEIMANN Sensor
HEIMANN SENSOR GMBH

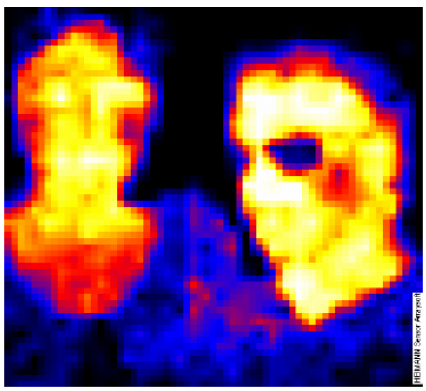
Quick Start Application Set

For thermal imaging and easy application of our arrays we designed an evaluating processor unit in a modular metal case for better handling. The module‘s field of view depends on housing, the built-in lens and can be varied on demand.
The object temperature range can be easily changed by software.
The digital data stream is transferred from the module to the PCB via SPI and contains the signal voltages of the elements, the offset of the amplifiers and the ambient temperature information of the module. The analogous data stream contains the same information and can be sampled by an external ADC. The microcontroller processes the data and communicates via Ethernet/UDP to a PC. On PC side the data stream is logged and visualized with a Graphical User Interface. The given software allows you to start your measurements and testing almost immediately.

Applications

- Person detection
- Fire detection
- Hotspot detection
- Energy management
- Security cameras
- Industrial process control
- Air condition control
- Out of position



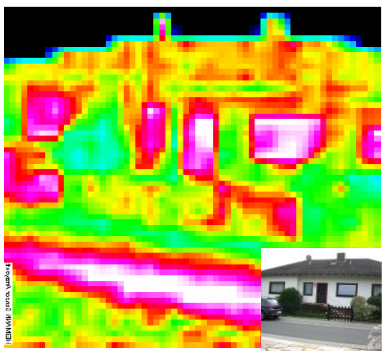


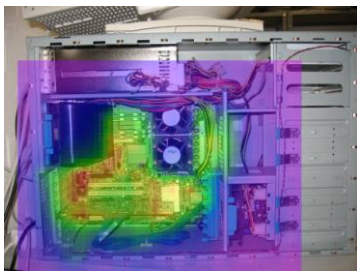
Benefit

- Low cost TO8/TO39 housing
- Low power consumption
- Short time constant
- High sensitivity of the system
- No need for shutter and thermal stabilization

Features:

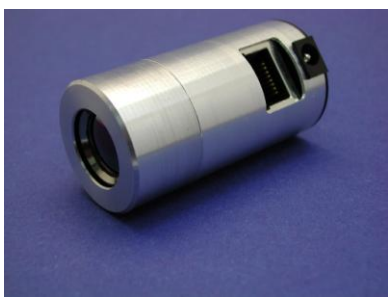
- Communications via RJ45/Ethernet/UDP
- False color images with auto scaling
- Selectable frame rate
- Data log mode
- Contrast adjustment
- Interpolation
- Temperature display
- Several lenses for different field of view





Included in delivery:

- Array module
- Cable interface
- AC adapter (100V~ … 240V~)
- Tripod
- Software



Module dimension:

- Diameter 28 mm; length approx. 55 mm (length depends on chosen lens)

Modifications reserved Rev.4 10.05.2010

HEIMANN Sensor GmbH
Grenzstr. 22
D-01109 Dresden, Germany

Contact / Customer Support
Phone 49 (0) 6123 60 50 30
Fax 49 (0) 6123 60 50 39

Internet
www.heimannsensor.com
e-mail: info@heimannsensor.com