



Quick Start Application Set

Read-out Circuit for Instantaneous Sensor Evaluation

For thermal imaging and easy evaluation of our arrays, we designed an application set in a modular metal housing for better handling.

The modules field of view depends on the built-in lens and can be varied on demand. The object temperature range depends on the array type and lens.

For every array type we also provide a matching application set in our portfolio, which allows full sensor control. The application set processes the data and communicates via Ethernet/UDP to a PC. On PC side, the data stream can be visualized and logged with a Graphical User Interface. The given software allows the user to instantly start with sensor evaluation, measurements and testing.

Applications

- Person detection
- Fire detection
- Hotspot detection
- Energy management
- Security cameras
- Industrial process control
- Air condition control
- Position detection

Benefits

- Low-cost TO8/TO39/TO46 housing
- Resolutions 8x8d/ 16x16d/ 32x32d/ 80x64d/ 84x60d/ 120x84d available
- Low power consumption
- Short time constant
- High sensitivity of the system
- No need for shutter and thermal stabilization

Features

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

Included in Delivery

- Array module
- Interface cable
- USB cable for power supply
- Tripod
- Graphical User Interface (GUI) for visualization

Module Dimensions

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

Setup



Thermal Imaging Pictures

