

PYROVIEW 380L compact+

UNCOOLED INFRARED CAMERA
FOR APPLICATIONS AT 8 μm TO 14 μm



Product Overview

PYROVIEW 380L compact+ camera provides instant measurement of 2D temperature distributions with high thermal and spatial resolution within the longwave infrared of 8 μm to 14 μm . The camera is specially designed for long-term use in fixedmounted applications with the capability for pan tilthead applications.

Typical applications for the PYROVIEW 380L compact+ include waste bunkers, coal storage facilities, coveyor systems, recycling plants and other high risk applications where high level early detection from heat sources is required.

FEATURES & BENEFITS

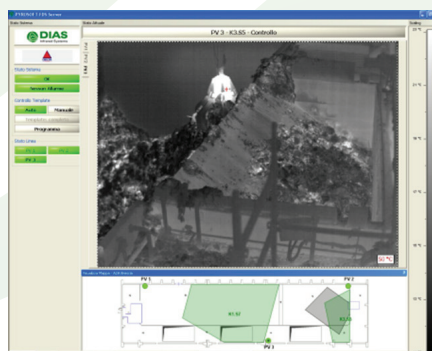
- Precise temperature measurements from -20 °C to 500 °C
- Uncooled microbolometer array with 384 × 288 pixel resolution
- Optics with motor or manual focussing
- Real-time data acquisition via Ethernet
- Alarm and threshold trend monitoring
- Various alarm parameters are programmable
- Customised system solutions with modified hardware and software adapted to suit specific applications
- Pan tilt head available

SOFTWARE

The powerful online software PYROSOFT for Windows® allows you to control the camera and record, view, manipulate and store the measured data.

Special features are:

- Real-time data recording
- Definition of zones and monitoring of alarm thresholds
- Analysis of trends
- Data export (text, bitmap, video)
- Support of process interfaces such as Profibus, analogue and digital inputs/outputs, and other.



TECHNICAL DATA

Spectral range	8 µm to 14 µm
Temperature ranges	range 1: -20 °C to 120 °C, range 2: 0 °C to 500 °C
Sensor	uncooled microbolometer array (384 × 288 pixels)
Lens	30° × 23° optional 90° × 74° optional 60° × 47° optional 44° × 34° optional 22° × 16°
Temperature measurement tolerance	+/- 2°C
Measurement frequency	default 50 Hz, selectable: 50 Hz, 25 Hz, 12.5 Hz, ...
Response time	internal 40 ms, selectable: 2 /measurement frequency
Interfaces	Ethernet and HLI
Digital inputs	2 galvanically isolated digital inputs (trigger)
Digital outputs	2 galvanically isolated digital outputs (alarm)
Connectors	round plug connector HR10A (12 pins, power supply, digital inputs and outputs), round plug connector M12A (Ethernet)
Power supply	12 V to 36 V DC
Weight	approx. 0.9 kg
Housing	aluminium compact housing IP54, 65 mm (W) × 160 mm (D) × 79 mm (H), without lens with pan-tilt-unit. Outdoor housing available
Camera operating temperature	-10 °C to 50 °C
Storage conditions	-20 °C to 70 °C, max. 95 % relative humidity
Software	Control and imaging software PYROSOFT for Windows®, customized modifications on request

