

Thermal camera



ExCam® XI410

World's smallest explosion-proof thermographic camera

The ExCam XI410 is a powerful thermographic camera with integrated infrared thermometer and motorized focus imager (thermal imaging technology with 384*240p resolution and a frame rate of 25Hz, accurate temperature measurements in a range from -20°C to +900°C), designed for use in potentially explosive atmospheres. More information can be found in the download area on the [product page](#).

Broad certification landscape for hazardous areas

The ExCam XI410 is certified in accordance with both European (ATEX) and international (IECEX) guidelines. The explosion-proof housing is approved for ATEX group II (gas and dust) for zones 1, 2 , 21 and 22, including explosion group IIC / IIIC. For more information, please refer to our [datasheet](#).

When is the XI410 the right choice?

Do you need a camera that detects movements and changes, can identify cold- and hot spots, and triggers an alarm when thresholds are exceeded?

Temperature monitoring is contactless and heat-based data is independent of light and visibility conditions, for monitoring (the process temperature of various manufacturing steps) of large plants, liquid basins and tanks.

The ExCam XI410 delivers excellent infrared images of objects in a temperature range from -20°C to 900°C, perfect for condition monitoring (comprehensive analysis software) of machines and plants, as well as for safety-related applications in the field of preventive fire protection.

Features

- ✓ Ultra-compact housing - combination thermal imaging camera and pyrometer (IR-thermometer)
- ✓ Day-/night-functionality - reliable heat monitoring, PIX connect (thermoanalysis-software)
- ✓ Access by several authorized users possible at any time from any networked location worldwide
- ✓ Sustainability - configurable, self-optimizing
- ✓ Cost efficiency - problem-free, future-proof integration, potentially industrial process interface (PIF)
- ✓ 4 different optics available
- ✓ Temperature range -10°C to +50°C
- ✓ Autonomous operation with automatic spot finder
- ✓ Thermal sensitivity NETD 0,08°C, optical resolution 390:1 (18° optic)