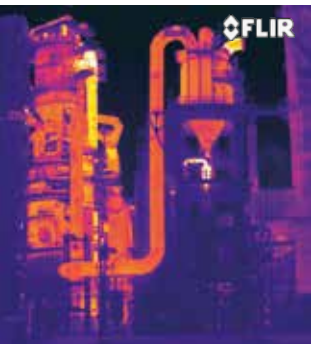
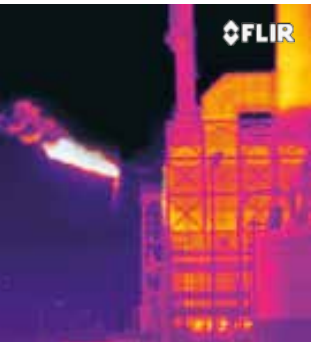
FLIR A310 ex with optionally available sun shield

Press release

FLIR Systems launches A310 ex - Fully compliant with ATEX regulations

Use the power of thermal imaging in hazardous locations.





Explosive atmospheres need to be protected from ignition sources by selecting equipment and protective systems which meet the requirements of the ATEX Product Regulations or similar regulations.

FLIR A310 ex is an ATEX compliant solution, with a thermal imaging camera mounted in an enclosure, making it possible to monitor critical and other valuable assets also in explosive atmospheres. Process monitoring, quality control and fire detection in potentially explosive locations are typical applications for the A310 ex.

The FLIR A310 ex is ATEX certified (Verification Certificate ZELM 12 ATEX 0485 X) and can be installed in classification zones 1, 2, 21 and 22. The certification comprises the whole system which includes the enclosure as well as all components inside, such as the thermal imaging camera, heater and integrated controller. The flame-proof enclosure "d" prevents any explosion transmission from the inside of the enclosure to the outside.

The FLIR A310 ex is IP67 rated making it ideal to install in dusty environments. FLIR A310 ex comes with a heater which effectively prevents fogging and freezing of the protection window.

Integrated controller and flexible network integration

The integrated controller features several digital I/O channels and sensors for temperature, humidity and pressure. Among other functions, the I/O channels enable the user to switch on/off the camera and the heater via remote control. The access is accomplished through an integrated web interface or Modbus TCP/IP. The integrated controller is equipped with 2 fiber optic and 2 Ethernet parts. This enables a flexible network integration in star or ring topologies.

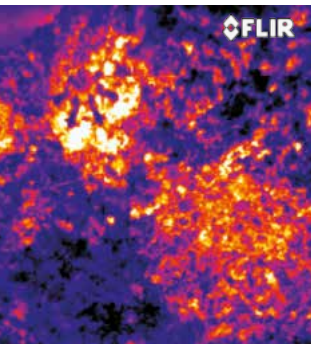
Thermal camera with extensive analysis functions and alarms

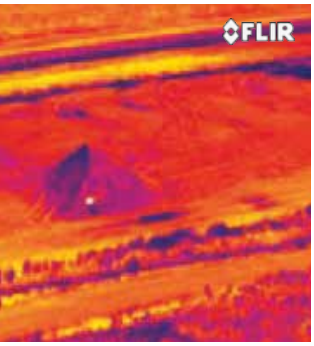
The thermal imaging camera integrated in the FLIR A310 ex is the FLIR A310. The FLIR A310 comes with measurement functions like spot, area and difference temperature measurement. It also has built-in alarm functions.

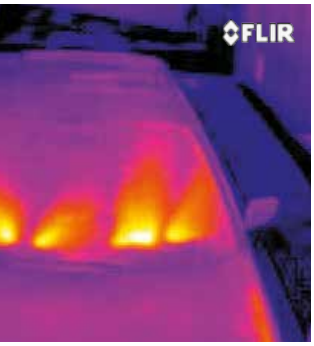
The camera automatically sends analysis results, IR images and more as an e-mail on schedule or at alarm, acting as an FTP- or SMTP-client. MPEG-4 streamed video output over Ethernet shows live images on a PC, 640x480 with overlay up to 30 Hz, system dependent. With a thermal sensitivity of < 50 mK the FLIR A310 captures the finest image details and temperature difference information.

Press release

FLIR A310 ex (without sun shield)







About thermal imaging

Thermal imaging is the use of cameras constructed with specialty sensors that "see" thermal energy emitted from an object. Thermal, or infrared energy, is light that is not visible to the human eye because its wavelength is too long to be detected. It's the part of the electromagnetic spectrum that we perceive as heat. Infrared allows us to see what our eyes cannot. Thermal imaging cameras produce images of invisible infrared or "heat" radiation. Based on temperature differences between objects, thermal imaging produces a clear image. It is an excellent tool for predictive maintenance, building inspections, research & development and automation applications. It can see in total darkness, in the darkest of nights, through fog, in the far distance, through smoke. It is also used for security and surveillance, maritime, automotive, firefighting and many other applications.

About FLIR Systems

FLIR Systems is the world leader in the design and manufacturing of thermal imaging cameras for a wide variety of applications. It has over 50 years of experience and thousands of thermal imaging cameras currently in use worldwide for predictive maintenance, building inspections, research & development, security and surveillance, maritime, automotive and other night-vision applications. FLIR Systems has seven manufacturing plants located in the USA (Portland, Boston, Santa Barbara and Bozeman), Stockholm, Sweden and Talinn, Estonia. It operates offices in Australia, Belgium, Brazil, China, Dubai, France, Germany, Hong Kong, India, Italy, Japan, Korea, the Netherlands, Russia, Spain, UK and the USA. The company has over 3,200 dedicated infrared specialists, and serves international markets through an international distributor network providing local sales and support functions.

If you would like more information about this product or about FLIR Systems and its wide range of thermal imaging cameras for a wide range of applications, please contact:

FLIR Commercial Systems
Christiaan Maras
Marketing Director EMEA & APAC
Luxemburgstraat 2
2321 Meer
Belgium
Tel. : +32 (0)3 665 51 00
Fax : +32 (0)3 303 56 24
e-mail: flir@flir.com