

1 ATEX CAT 3 Conformity Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **CENEGEX 24ATEX0001X** Issue: **1**

4 Equipment: **Acoustic Camera – FLIR Si2x Series**

5 Manufacturer: **FLIR Systems AB**

6 Address: **Antennvägen 6,
SE-187 66 Täby,
Sweden**

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents referred to in the confidential report.

8 CENEGEX Compliance Limited states that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II of the Directive 2014/34/EU with reference to the requirements covered by the standards below.
The technical documentation, examination details and test results are recorded in confidential report number:

CEN-AR1001 Issue 0 dated 18/12/2024

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with the following standards:

EN IEC 60079-0:2018, EN 60079-11:2011

10 If the sign “X” is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This ATEX CAT 3 Conformity Certificate relates only to the design of the specified product and not to specific items of equipment subsequently manufactured.

12 The marking of the product shall include the following:

 II 3 G Ex ic IIC T4 Gc
 II 3 D Ex ic IIIC T135°C Dc
T_{amb} -10°C to +40°C

Responsible person:

Date of issue: 29/01/2025



T Holliday
Managing Director

Schedule

13 Description of Equipment

The FLIR Si2x acoustic imaging camera enables the detection and reduction of leaks of compressed air and other speciality gases in facilities. It can also be used to identify mechanical faults, such as bearing issues, facilitating preventative maintenance to avoid downtime.

The unit is handheld and comprises a mainly plastic enclosure which is covered with a conductive rubber over mould. There is a removable battery pack which is accessed via a door at the base of the enclosure. The door is secured with a stainless-steel fixing screw.

On top of the enclosure is the power on/off push-button. In addition, there is an external connection USB-A port connector for use in the non-hazardous area, the connection is accessed via a hinged cover which is secured with a stainless-steel fixing screw. On the back of the top housing is a touchscreen display.

Ratings:

- Battery:
 - Li-ion rechargeable battery pack: 14.4 V DC, 3.40 Ah, 48.96 Wh
 - Max output: 16.8 V DC, 5 A
- Battery Charger
 - Input: 19-26 V DC, 2.8 A
 - Max output: 17.4 V DC, 4.8 A

14 Special Conditions for Safe Use:

- The battery pack shall only be replaced by the battery pack RCC2054. Only replace or charge the battery in safe area.
- The USB port shall only be used in safe area.
- The equipment must only be used in areas where there is a low risk of mechanical damage.

15 Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 8.

16 Revision History

- Issue 1 corrects a typographical error on the address.