

1 ATEX CAT 3 Conformity Certificate

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

3 Certificate Number: **ExVeritas 21ATEX1124X** Issue: 0

4 Equipment: **C5ExN - Restricted Breathing Case**
Cx5 - Restricted breathing and dust protection case

5 Manufacturer: **RINO SOLUTIONS LTD**

6 Address: Mill Granary
East Knapton, Malton
YO17 8JA United Kingdom

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to. The assessments are recorded in ExVeritas project file number EXV3480A.

8 The equipment has been assessed against the following Standards and found to comply:


EN IEC 60079-0: 2018 **EN IEC 60079-15: 2019** **EN 60079-31:2014**

9 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.

10 ExVeritas takes no responsibility for the validity of any information or data supplied by the manufacturer on which parts of the assessment may be based upon.

11 The marking of the equipment shall include the following:

 II 3 G Ex nR IIC T4 Gc T_{amb} -20°C to +40°C

 II 3 D Ex tc IIIB T135°C Dc T_{amb} -20°C to +40°C (applicable to Cx5 model only.)



No. 8613

On behalf of ExVeritas



S Clarke CEng MSc FIET
Managing Director

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ExVeritas® is a registered trademark, unauthorised use will lead to prosecution.

Schedule

12 Description of Equipment or Protective System

The C5ExN is a restricted breathing hazardous area case designed to fit the FLIR C5 Compact thermal imager.

12.1 Details of change:

The following changes are introduced in issue 1 of the certificate:

- Introduction of a new model Cx5 case which provides dust protection to allow use in hazardous dust atmospheres. Marking has been updated accordingly.

13 Descriptive Documents

13.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R3480/A/1	21/01/2022	0	Initial issue of the Prime Certificate
R4155/A/1	29/09/2022	1	Issue of the first variation, see section 12.1 for details.

13.2 Compliance Drawings:

Title:	Drawing No.:	Rev. Level:	Date:
3131 - CAMERA CASE DETAILS	3131-A01-Master	04	13.01.22
1/LPP 683566 BE PCM WC with PCM and Wire Connector	723947	3	2019-06-10
C5ExN_Label_Drawing	C5ExN_Label_Drawing	B	11/01/22
Cx5 – Label Drawing	Cx5 – Label Drawing	A	16/08/22

14 Conditions of Certification

14.1 Special Conditions for Safe Use

- The equipment shall only be used in areas where there is a low risk of mechanical damage.
- Do not remove the charging plug in the hazardous area.
- Do not recharge in the hazardous area.

14.2 Conditions for Use (Routine tests)

- The manufacturer shall conduct a routine test on each enclosure in accordance with one of the procedures detailed in clause 12.2.2.1.1 of EN IEC 60079-15:2019

15 Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 8 and where required the report listed in section 13.1

The manufacturer shall inform the ExVeritas of any modifications to the design of the product described by this schedule.

1 **United Kingdom ‘Ex’ Conformity Assessment**

2 **Product Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended by UKSI 2019:696)**

3 Certificate Number: **ExVeritas 21UKEX1161X** Issue: **1**

4 Product: **C5ExN - Restricted Breathing Case
Cx5 - Restricted breathing and dust protection case**

5 Manufacturer: **RINO SOLUTIONS LTD**

6 Address: Mill Granary
East Knapton, Malton
YO17 8JA United Kingdom

7 This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to. The assessments are recorded in ExVeritas project file number EXV3480A.

8 The product has been assessed against the following Standards and found to comply:


EN IEC 60079-0: 2018 **EN IEC 60079-15:2019** **EN 60079-31:2014**

9 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.

10 ExVeritas takes no responsibility for the validity of any information or data supplied by the manufacturer on which parts of the assessment may be based upon.

11 The marking of the equipment shall include the following:

 II 3 G Ex nR IIC T4 Gc T_{amb} -20°C to +40°C

 II 3 D Ex tc IIIB T135°C Dc T_{amb} -20°C to +40°C (applicable to Cx5 model only.)



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Title:	Drawing No.:	Rev. Level:	Date:
3131 - CAMERA CASE DETAILS	3131-A01-Master	04	13.01.22
1/LPP 683566 BE PCM WC with PCM and Wire Connector	723947	3	2019-06-10
C5ExN_Label_Drawing	C5ExN_Label_Drawing	B	11/01/22
Cx5 – Label Drawing	Cx5 – Label Drawing	A	16/08/22

14 Specific Conditions of Use

14.1 Special Conditions for Safe Use

- The equipment shall only be used in areas where there is a low risk of mechanical damage.
- Do not remove the charging plug in the hazardous area.
- Do not recharge in the hazardous area.

14.2 Routine tests

- The manufacturer shall conduct a routine test on each enclosure in accordance with one of the procedures detailed in clause 12.2.2.1.1 of EN IEC 60079-15:2019

15 Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 8 and where required the report listed in section 13.1

The manufacturer shall inform the ExVeritas of any modifications to the design of the product described by this schedule.

Certificate: **ExVeritas 21UKEX1161X**

Issue **1**

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IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX EXV 21.0064X** Page 1 of 5 [Certificate history:](#)
Issue 0 (2022-01-21)

Status: **Current** Issue No: 1

Date of Issue: 2022-09-29

Applicant: **RINO Solutions Ltd.**
Mill Granary
East Knapton
Malton YO17 8JA
United Kingdom

Equipment: **C5ExN - Restricted Breathing Thermal Imaging Camera Case and Cx5 - Restricted Breathing and Dust Protection Thermal Imaging Camera Case**

Optional accessory:

Type of Protection: **Equipment protection by type of protection "n" Dust ignition protection by enclosure "t"**

Marking: Ex nR IIC T4 Gc
Ex tc IIB T135°C Dc (aplicable to Cx5 model only)

Approved for issue on behalf of the IECEx
Certification Body:

Sean Clarke CEng MSc FIET

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



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Units 16-18 Abenbury Way
Wrexham Ind. Est.
Wrexham LL 139UZ
United Kingdom





IECEX Certificate of Conformity

Certificate No.: **IECEX EXV 21.0064X**

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Date of issue: 2022-09-29

Issue No: 1

Manufacturer: **RINO Solutions Ltd.**
Mill Granary
East Knapton
Malton YO17 8JA
United Kingdom

Manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-15:2017](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/EXV/ExTR21.0120/00](#)

[GB/EXV/ExTR22.0086/00](#)

Quality Assessment Report:

[GB/EXV/QAR22.0001/00](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX EXV 21.0064X**

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Date of issue: 2022-09-29

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The C5ExN is a restricted breathing hazardous area case designed to fit the FLIR C5 Compact thermal imager.

Technical Documents:

Title:	Drawing No.:	Rev. Level:	Date:
3131 - CAMERA CASE DETAILS	3131-A01-Master	04	13.01.22
1/LPP 683566 BE PCM WC with PCM and Wire Connector	723947	3	2019-06-10
C5ExN_Label_Drawing	C5ExN_Label_Drawing	B	11/01/22
Cx5 - Label Drawing	Cx5 - Label Drawing	A	16/08/22

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The equipment shall only be used in areas where there is a low risk of mechanical damage.
- Do not remove charging plug in the hazardous area.
- Do not recharge in the hazardous area.



IECEX Certificate of Conformity

Certificate No.: **IECEX EXV 21.0064X**

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Date of issue: 2022-09-29

Issue No: 1

Equipment (continued):

Conditions of manufacture (Routine tests)

- The manufacturer shall conduct a routine test on each enclosure in accordance with one of the procedures detailed in clause 12.2.2.1.1 of IEC 60079-15:2017.



IECEX Certificate of Conformity

Certificate No.: **IECEX EXV 21.0064X**

Page 5 of 5

Date of issue: 2022-09-29

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Introduction of a new model Cx5 case which provides dust protection to allow use in hazardous dust atmospheres. Marking has been updated accordingly.