
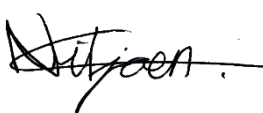




Mining And Surface Certification (Pty) Ltd

2015/021934/07

THIS CERTIFICATE IS ISSUED AS AN I.A. CERTIFICATE IN TERMS OF THE MINE HEALTH AND SAFETY ACT, ACT NO 29 OF 1996 (AND REGULATIONS), THE OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AND REGULATION 17 OF THE ELECTRICAL MACHINERY REGULATIONS

IA CERTIFICATE	MASC S/23-8118X	Issue	1
Issue Date	07 June 2024	Expiry Date	17 May 2027
** Based on Certificate No	IECEx ULD 22.0011X	Issue / Variations / Amendment	3
Requested by	Axis Communications AB Gränden 1, 223 69 Lund, Sweden		
Manufacturer	Axis Ex AB Gränden 1, Lund 223 69, Sweden		
Description	<p>The Bullet Camera, model AXIS P1468-XLE and AXIS Q1961-XTE comprises a mounting base, an incoming wiring and electronics chamber, a multi-positional arm and ball joint, and the camera itself in a camera housing. A weather shield can be fitted and removed without the use of tools.</p> <p>The camera housing and weather shield is non-metallic in construction, the rest of enclosure is manufactured with aluminium and powder coated finish. Power and communications with the bullet camera are via PoE or dc input and separate communications (control and audio). An onboard socket allows for installation of a memory card for local storage. A factory fitted battery is for real-time clock.</p> <p>An infrared light source provides night-time illumination for low-light operation and internal heaters operate when required, to maintain the internal ambient of the bullet camera within an operational range.</p> <p>Please see Annex of Base Certificate for additional information.</p>		
Equipment	Bullet Cameras	Type	AXIS P1468-XLE, AXIS Q1961-XTE
MARKING: Original marking as per certificate ** remains applicable. IA number must be added.	Type: Bullet Cameras, Models AXIS P1468-XLE, AXIS Q1961-XTE Ex Marking: Ex ec IIC T4 Gc Ex tb IIIC T135°C Db -40 °C to +60 °C (AXIS P1468-XLE) -30 °C to +60 °C (AXIS Q1961-XTE) IA Number: MASC S/23-8118X (To be additionally marked on equipment) Warnings: See Base Certificate ** (original marking must be applied)		
Quality Assurance report (QAR) / Notification (QAN):	GB/EXV/QAR21.0005/03		
Quality Assurance report (QAR) / Notification (QAN)	17 May 2027		
Expiry date:			
Compliance: The equipment as described above has been allocated the rating <u>Explosion Protected 'as above'</u> utilizing the SANS/IEC Standards: <ul style="list-style-type: none"> SANS (IEC) 60079-0: 2019 Equipment - General requirements SANS (IEC) 60079-7: 2019 Equipment protection by increased safety "e" SANS (IEC) 60079-31: 2014 Equipment dust ignition protection by enclosure "t" <i>Note: This certificate covers only the listed standards and does not imply compliance to any other standard, related or inferred. It is up to the manufacturer to ensure that the product complies to all relevant standards for the application.</i>			
Special conditions of safe use "X": <ul style="list-style-type: none"> Refer to Annex A below for more details. 			
Conditions of manufacture: <ul style="list-style-type: none"> Refer to Annex A below for more details. 			
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  S. JORDAAN TECHNICAL SPECIALIST </div> <div style="text-align: center;">  N. VILOJEN TECHNICAL OFFICER </div> </div>			

This certificate covers all units sold as long as the QAR/QAN remains valid.
According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory).

Apparatus in hazardous locations is subject to the following provisions as applicable, which shall be adhered to:

- SANS 10086 requirements;
- Any conditions mentioned in the above certificate;
- Any relevant requirements of the MHS Act;

Any restrictions and conditions enforced by the chief inspector of mines, principal inspector (Group I equipment) or chief inspector of factories (Group II equipment).

This certificate may only be reproduced in full
The certificate is not transferable and remains the property of the issuing body.

IA CERTIFICATE: MASC S/23-8118X

Equipment: Bullet Cameras

(Expiry date: 17 May 2027)

Page 2 of 2

ANNEX A

This document is based on and must be read in conjunction with certificate IECEx ULD 22.0011X.	
Description (According to Base Certificate) **	
"Refer to description in Base Certificate ** (and any applicable schedules/issues/variations)."	
Issue	Issue 1: Supplemented for review as per ARP 0108.
Standard compliance	See Base Certificate **
Special conditions of safe use ("X")	<u>From 60079-0:</u> <ul style="list-style-type: none">• Take precautions to minimise the risk of electrostatic charging – refer to installation instructions.• Capacitance of accessible metal parts of the equipment is 85.4pF and shall be considered in the specific application.• Equipment must not be exposed to impact energy exceeding 2 Joules to the window, and 4 Joules to the rest of the body.• Orientation of the product must be in accordance with the installation instructions. <u>From 60079-7:</u> <ul style="list-style-type: none">• The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
Conditions of manufacture	<ul style="list-style-type: none">• None.
Conditions of Certification	<ul style="list-style-type: none">• This IA Certificate covers all units sold from the date of this document to the expiry date of this certificate.• As per ARP 0108 a maximum three yearly review is required on this IA Certificate (expiry is determined as per the QAR/QAN/QMS expiry date).• The apparatus must be additionally marked with the MASC marking details above.• This approval only covers the equipment as certified above and does not include any scheduled additions or variations / amendments / new issues to the certificate(s), made after the above date.• The equipment does not need to be re-tested when used on the conditions and with such restrictions as prescribed by the certificate on which this IA Certificate is based and any other conditions in this IA Certificate.• The certification on which this IA Certificate is based must remain valid.• The extent of the requirements in the ARP 0108 (or regulations), SANS 10108 and any other applicable regulations on the certification of the equipment must remain unchanged.• The Ex-quality assurance notification/report for the equipment must remain valid.
Conclusion:	<ul style="list-style-type: none">• From the above and the selective examination of the documentation, nothing contrary to the requirements of the applicable standards was found, provided that the equipment / component is used as described in the above document / certificate and according to the MASC conditions below. A MASC IA certificate is issued based on the work done as per the Base Certificate **.• The routine tests for production units according to the Base Certificate ** must be complied with (if applicable).

This document is issued based on Mining And Surface Certification's Standard Contract terms and conditions available on request.

While every endeavour is made to ensure that a test / assessment / inspection is representative and accurately performed, and that a report / certificate is accurate in the quoted results and conclusions drawn from the test / assessment / inspection, MASC or its directors/employees shall in no way be liable for any error made in carrying out the test / assessment or for any erroneous statement, whether in fact or in opinion, contained in a report / certificate issued pursuant to a test / assessment / inspection.

MASC takes no responsibility for any non-conformances, exclusions, or any results / assessments / inspections not in compliance with the standards. By marking the equipment in accordance with the documentation / standard, the manufacturer / applicant attests on his own responsibility that the equipment / installation has been designed and constructed in accordance with the applicable requirements of the relevant standards and documentation, that the routine verifications / routine tests have been correctly completed and the equipment / installation complies with the documentation and standard(s).

This document is only for use and application in South Africa. It is issued based on National interpretations and accepted practices.

This document may only be reproduced in full.

This certificate is not transferable and remains the property of the issuing body.

This document will not be supported by MASC for certification purposes outside the borders of South Africa.

Mining And Surface Certification (Pty) Ltd Reg No: 2015/021934/07
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P.O. Box 14344, Clubview, 0014
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e-mail: info@masc-ex.co.za



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 ULD 22.0011X**

Page 1 of 4

Certificate history:

Status: **Current**

Issue No: 3

[Issue 2 \(2023-12-18\)](#)

[Issue 1 \(2023-10-23\)](#)

[Issue 0 \(2023-01-30\)](#)

Date of Issue: 2024-03-12

Applicant: **Axis Ex AB**
Gränden 1
Lund 223 69
Sweden

Equipment: **Bullet Cameras, Models AXIS P1468-XLE, AXIS Q1961-XTE.**

Optional accessory:

Type of Protection: **Increased Safety "ec", Dust Ignition Protection by Enclosure "tb"**

Marking: Ex ec IIC T4 Gc
Ex tb IIIC T135°C Db
-40 °C to +60 °C (AXIS P1468-XLE)
-30 °C to +60 °C (AXIS Q1961-XTE)

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

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.



Certificate issued by:

UL Solutions (Demko)
Borupvang 5A
Ballerup DK-2750
Denmark





IECEx Certificate of Conformity

Certificate No.: **IECEx ULD 22.0011X**

Page 2 of 4

Date of issue: 2024-03-12

Issue No: 3

Manufacturer: **Axis Ex AB**
Gränden 1
Lund 223 69
Sweden

Manufacturing
locations: **Axis Ex AB**
Maskinvägen 1
Lund 227 30
Sweden

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 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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:

DK/ULD/ExTR22.0010/00
DK/ULD/ExTR22.0010/03

DK/ULD/ExTR22.0010/01

DK/ULD/ExTR22.0010/02

Quality Assessment Report:

GB/EXV/QAR21.0005/02



IECEX Certificate of Conformity

Certificate No.: **IECEX ULD 22.0011X**

Page 3 of 4

Date of issue: 2024-03-12

Issue No: 3

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Bullet Camera, model AXIS P1468-XLE and AXIS Q1961-XTE comprises a mounting base, an incoming wiring and electronics chamber, a multi-positional arm and ball joint, and the camera itself in a camera housing. A weather shield can be fitted and removed without the use of tools.

The camera housing and weather shield is non-metallic in construction, the rest of enclosure is manufactured with aluminum and powder coated finish. Power and communications with the bullet camera are via PoE or dc input and separate communications (control and audio). An onboard socket allows for installation of a memory card for local storage. A factory fitted battery is for real-time clock.

An infrared light source provides night-time illumination for low-light operation and internal heaters operate when required, to maintain the internal ambient of the bullet camera within an operational range.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

From 60079-0:

- Take precautions to minimise the risk of electrostatic charging – refer to installation instructions.
- Capacitance of accessible metal parts of the equipment is 85.4pF and shall be considered in the specific application.
- Equipment must not be exposed to impact energy exceeding 2 Joules to the window, and 4 Joules to the rest of the body.
- Orientation of the product must be in accordance with the installation instructions.

From 60079-7:

- The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.



IECEX Certificate of Conformity

Certificate No.: **IECEX ULD 22.0011X**

Page 4 of 4

Date of issue: 2024-03-12

Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Editorial update of product marking label with separation of warning markings. Correction of electrical ratings.

Issue 2: Correction to technical information not affecting the safety of the product.

Issue 3: Additional Bullet Camera Model AXIS Q1961-XTE.

Annex:

[Annex to IECEx ULD 22.0011X Issue 3.pdf](#)



IECEx Certificate of Conformity

Annex to Certificate No.:

IECEx ULD 22.0011X

Issue No.: 3

Page 1 of 4

TYPE DESIGNATION

Product Nomenclature –

'P1468-XLE'
P – Product line
1 – Product type
4 – Product Series
6 – Product Generation
8 – Resolution 3840x2160
-
X – Ex Classified
L – IR-Illumination
E – Outdoor

'Q1961-XTE'
Q – Product line
1 – Product type
9 – Product Series
6 – Product Generation
1 – Resolution 384x288
-
X – Ex Classified
T – Thermometric
E – Outdoor

PARAMETERS RELATING TO THE SAFETY

PoE input -

PoE 44-57V DC Class 3, 0.30 A – 0.23 A

DC input -

12-28V DC 1.07A -0.46A, Max. 12.95W

(IEEE 802.3af complaint)

Annex to Certificate No.:

IECEx ULD 22.0011X

Issue No.: 3

Page 2 of 4

MARKING

Marking has to be readable and indelible; it has to include the following indications:

Engraved or laser marked onto the main cover of wall box-

AXIS P1468-XLE :



Annex to Certificate No.:

IECEx ULD 22.0011X

Issue No.: 3

Page 3 of 4

AXIS Q1961-XTE:





IECEx Certificate of Conformity

Annex to Certificate No.:

IECEx ULD 22.0011X

Issue No.: 3

Page 4 of 4

Engraved or laser marked onto the side of wall box:

P1468-XLE :



CAUTION:
HOT SURFACE
DO NOT TOUCH
ATTENTION:
SURFACE CHAUDE
NE PAS TOUCHER

ATENÇÃO:
SUPERFÍCIE QUENTE
NÃO TOQUE
注意:
熱い表面
手を触れないでください

WARNING
POTENTIAL ELECTROSTATIC CHARGING
HAZARD - SEE INSTRUCTIONS.
DO NOT OPEN WHEN AN EXPLOSIVE
ATMOSPHERE IS PRESENT.
SPECIFIC CONDITIONS OF USE - SEE
INSTRUCTIONS.

AVERTISSEMENT
RISQUE POTENTIEL DE CHARGE
ÉLECTROSTATIQUE - VOIR LES INSTRUCTIONS.
NE PAS OUVRIR LORSQU'UNE ATMOSPHÈRE
EXPLOSIVE EST PRÉSENTE.
CONDITIONS D'UTILISATION SPÉCIFIQUES -
VOIR LES INSTRUCTIONS.

ATENÇÃO
NÃO ABRA QUANDO UMA ATMOSFERA
EXPLOSIVA ESTIVER PRESENTE.
O EQUIPAMENTO POSSUI CONDIÇÕES DE
ESPECÍFICAS DE UTILIZAÇÃO SEGURA.
VER AS INSTRUÇÕES.
POTENCIAL RISCO DE CARGA ELETROSTÁTICA.
VER INSTRUÇÕES.

警告
静電気による帯電の危険性が
あります - 説明書を参照してく
ださい。
爆発性雰囲気が存在するとき
は開けないでください。
特定の使用条件 - 説明書を参
照してください。

Q1961-XTE:



CAUTION:
HOT SURFACE
DO NOT TOUCH
ATTENTION:
SURFACE CHAUDE
NE PAS TOUCHER

ATENÇÃO:
SUPERFÍCIE QUENTE
NÃO TOQUE

WARNING
POTENTIAL ELECTROSTATIC CHARGING
HAZARD - SEE INSTRUCTIONS.
DO NOT OPEN WHEN AN EXPLOSIVE
ATMOSPHERE IS PRESENT.
SPECIFIC CONDITIONS OF USE - SEE
INSTRUCTIONS.

AVERTISSEMENT
RISQUE POTENTIEL DE CHARGE
ÉLECTROSTATIQUE - VOIR LES INSTRUCTIONS.
NE PAS OUVRIR LORSQU'UNE ATMOSPHÈRE
EXPLOSIVE EST PRÉSENTE.
CONDITIONS D'UTILISATION SPÉCIFIQUES -
VOIR LES INSTRUCTIONS.