



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx DNV 06.0002

Issue No: 4

Certificate history:

[Issue No. 4 \(2013-12-17\)](#)

[Issue No. 3 \(2011-08-26\)](#)

[Issue No. 2 \(2011-01-21\)](#)

[Issue No. 1 \(2010-02-23\)](#)

[Issue No. 0 \(2006-05-11\)](#)

Status: **Current**

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Date of Issue: **2013-12-17**

Applicant: **HERNIS Scan Systems AS**

Tangen Alle 41

Postboks 619

4809 Arendal

Norway

Equipment: **Camera station**

Optional accessory:

Type of Protection: **Flameproof and increased safety**

Marking: Ex de IIC T6 Gb or Ex d IIC T6 Gb
Ex tD A21 T85

*Approved for issue on behalf of the IECEx
Certification Body:*

Bjørn Spongsveen

Position:

Certification Manager

*Signature:
(for printed version)*

Date:

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 the [Official IECEx Website](#).

Certificate issued by:

DNV
Det Norske Veritas AS
Veritasveien 1
1322 Hovik
Norway





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Manufacturer: **HERNIS Scan Systems AS**
Tangen Alle 41
Postboks 619
4809 Arendal
Norway

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 61241-0 : 2004 Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical 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 Report:

[NO/DNV/ExTR06.0002/00](#)
[NO/DNV/ExTR09.0002/01](#)

[NO/DNV/ExTR06.0002/01](#)
[NO/DNV/ExTR09.0002/02](#)

[NO/DNV/ExTR09.0002/00](#)
[NO/DNV/ExTR09.0002/03](#)

Quality Assessment Report:

[NO/DNV/QAR06.0002/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The camera station comprises two enclosures. One base which is Ex-e (or Ex-d) and one flameproof enclosure. The flameproof enclosure is divided into two compartments. One compartment contains the motors and one with the camera. The Camera Station is made of stainless steel. An alternative Ex-d base (EXD170 JB) can be used on camera station, covered by IECEx DNV 11.0008X.

Type Identification

Ex 286 With or without wiper

Ex 286LT Low temperature version, With or without wiper

Ambient Temperature

Ex 286: $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq 60^{\circ}\text{C}$

Ex 286LT: $-50^{\circ}\text{C} \leq T_{\text{amb}} \leq 50^{\circ}\text{C}$

Electrical Data

U_{max} 40VAC, 50/60 Hz

I_{max} 4A

Degrees of protection (IP Code)

IP 66

SPECIFIC CONDITIONS OF USE: NO



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EQUIPMENT (continued):

A routine pressure test according to EN/IEC 60079-1 clause 16 shall be carried out on all enclosures with the following pressures:

Ex 286	17,1 bar
Ex 286LT	46,5 bar



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Updated standards for gas.