



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 LCIE 14.0011X issue No.:0 Certificate history:.....

Status: **Current**

Date of Issue: **2014-04-19** Page 1 of 3

Applicant: **R. STAHL Camera Systems GmbH**
Im Gewerbegebiet Pesch 14
D-50767 Köln
Germany

Electrical Apparatus: **Case of camera**
Optional accessory: type : EC-750-Ex-...

Type of Protection: **Ex d, Ex tb**

Marking: R. STAHL Camera Systems GmbH
Type : EC-750-Ex-...
See marking details in attachment.

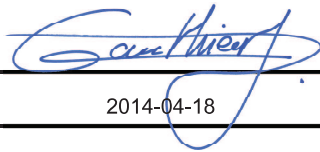
Approved for issue on behalf of the IECEx
Certification Body:

Julien GAUTHIER

Position:

Certification Officer

Signature:
(for printed version)



Date:

2014-04-18

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](http://www.iecex.com).

Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France

Documents relative to LCIE certification activities (Certificates, QARs, ExTRs) can be registered under the references "LCI" or "LCIE".





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Manufacturer: **R. STAHL Camera Systems GmbH**
Im Gewerbegebiet Pesch 14
D-50767 Köln
Germany

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 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

IEC 60079-31 : 2008 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition: 1

*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:

[FR/LCIE/ExTR14.0014/00](#)

Quality Assessment Report:

[DE/BVS/QAR12.0012/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The equipment is a case of camera.

The enclosure contains an electronic camera CDD, two motors reducers and charts. it is usable with specific certified connector or cable gland :

- cable gland CAPRI (IECEX LCI 05.0004 X)
- or a JOWO connector (IECEX LCI 11.0021 X)
- or a ROTA connector (IECEX BAS 07.0085 X)

Ratings :

Power supply : 18-30V

Power : 12W

Routine test :

See attachment

CONDITIONS OF CERTIFICATION: YES as shown below:

See attachment

Marking :

R. STAHL Camera Systems GmbH

Type : EC-750-Ex-...

Address : ...

Serial number : ...

Year of construction : ...

Version / Version	Marquage / Marking	Température ambiante / Ambient temperature
Presse étoupe / Cable gland	⊕ II 2 G D Ex d IIC T6/T5 Gb Ex tb IIIC T85°C/T100°C Db	T6 : -20°C ≤ Tamb ≤ +55°C T5 : -20°C ≤ Tamb ≤ +60°C
Connecteur JOWO / JOWO connector	⊕ II 2 G D Ex d IIC T6 Gb Ex tb IIIC T85°C Db	-20°C ≤ Tamb ≤ +60°C
Connecteur ROTA / ROTA connector	⊕ II 2 G Ex d IIC T6 Gb	-20°C ≤ Tamb ≤ +55°C

IECEX LCIE 14.0011 X

WARNING – DO NOT OPEN WHEN ENERGIZED

WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS

Conditions of certification :

- Each version must be associated with the adequate connector
- The window should be cleaned only with a damp cloth.
- The gaps of the different flame path are less than the values specified in the table of the IEC 60079-1 standard.
- Ambient temperature :

Version / Version	Température ambiante / Ambient temperature
Presse étoupe / Cable gland	T6 : -20°C ≤ Tamb ≤ +55°C T5 : -20°C ≤ Tamb ≤ +60°C
Connecteur JOWO / JOWO connector	-20°C ≤ Tamb ≤ +60°C
Connecteur ROTA / ROTA connector	-20°C ≤ Tamb ≤ +55°C

Routine test :

Each single unit must be submitted to an overpressure test of a value equal to 10.1 bars during at least 10 seconds without exceeding 60 seconds.