



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 KEM 09.0039X issue No.:2

Status: **Current**

Certificate history:

Issue No. 2 (2013-7-19)

Issue No. 1 (2011-6-6)

Issue No. 0 (2009-9-4)

Date of Issue: **2013-07-19** Page 1 of 4

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

Electrical Apparatus: **Compact Camera series EC-710-....**
Optional accessory:

Type of Protection: **Ex mb**

Marking: Ex mb IIC T6, T5, T4 Gb
Ex mb IIIC T85/100/125 °C Db

Approved for issue on behalf of the IECEx
Certification Body:

T. Pijpker

Position:

Certification Manager

Signature:
(for printed version)



Date:

2013-07-19

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:

DEKRA Certification B.V.
Utrechtseweg 310
6812 AR Arnhem
The Netherlands





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Manufacturer: **R. STAHL Camera Systems GmbH**
Im Gewerbegebiet Pesch 14
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 60079-18 : 2009 Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
Edition: 3

*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:
[NL/KEM/ExTR09.0041/01](#)

Quality Assessment Report:
[DE/BVS/QAR12.0012/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Compact Camera series EC-710-.... for fixed installation and provided with a permanently connected cable.

Model code description EC-710-aaab, with
aaa = angle of view (in °)
b = video format (P = PAL, N = NTSC)

Supply: 12 Vdc \pm 15 %, max. 250 mA (standard versions)

Supply: 12 Vdc \pm 10 %, max. 250 mA (versions without load dump circuit)

CONDITIONS OF CERTIFICATION: YES as shown below:

Ambient temperature range:
-40 °C to +35 °C for T6 and T85 °C
-40 °C to +50 °C for T5 and T100 °C
-40 °C to +75 °C for T4 and T125 °C

The camera must be protected by a suitable fuse with a rating of 250 mA. The breaking capacity of the fuse must be in accordance with the prospective short circuit current of the supply.



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

Changed manufacturer's name
Changed reference to Quality Assessment Report
Compliance with more recent editions of the standards