

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 09ATEX0102 X** Issue Number: **3**

(4) Product: **Compact Camera Model EC-710-....**

(5) Manufacturer: **R. Stahl HMI Systems GmbH**

(6) Address: **Adolf Grimme Alle 8, 50829 Cologne, Germany**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/KEM/ExTR09.0041/02.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2009

EN 60079-18 : 2009

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 2 G Ex mb IIC T6/T5/T4 Gb
II 2 D Ex mb IIIC T85/100/125 °C Db

Date of certification: 21 December 2017

DEKRA Certification B.V.

R. Schuller
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 09ATEX0102 X**

Issue No. **3**

(15) **Description**

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

The type description of the Compact Camera is EC-710-aaab where aaa is the angle of view (°) and b is the video format, P(AL) or N(TSC).

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

Electrical data

Supply: 12 Vdc ± 15 %, max. 250 mA (standard version)
12 Vdc ± 10 %, max. 250 mA (version without load dump circuit)

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/KEM/ExTR09.0041/02.

(17) **Specific conditions of use**

Ambient temperature range as listed in (15).

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.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/KEM/ExTR09.0041/02.

(20) **Certificate history**

Issue 1 -	212727300	initial certificate
Issue 2 -	214793800	Manufacturer name change
Issue 3 -	222231900	Manufacturer name and address change