

[1] **EU-TYPE EXAMINATION CERTIFICATE**



[2] **Equipment or Protective System intended for use  
in Potentially Explosive Atmospheres  
Directive 2014/34/EU**

[3] EU-Type Examination Certificate Number: **CNEX 16 ATEX 0003 X**

[4] Equipment or Protective System: PTZ camera system model YK-EP2014xx

[5] Manufacturer: Young Kook Electronics Co., Ltd.

[6] Address: 810,1 Daewoo Frontier Valley 1030  
Joong-dong Giheung-gu Yongin-si Gyeonggi-do  
446-916 Korea

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] CNEX-Global B.V., Notified Body number 2614, in accordance with Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. 16003.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:


**EN 60079-0:2012      EN 60079-1:2014      EN 60079-28:2015      EN 60079-31:2014**

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 equipment or protective system is subject to specific conditions for use specified in the schedule to this certificate.


[11] This EU – Type examination certificate relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:

 **II 2 G    Ex db op is IIC T6 Gb    or    Ex db IIC T6 Gb    (see Annex)**  
**II 2 D    Ex tb IIIC T80 °C Db**

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Certification Manager: Wu Jianguo

Signature: 

Date of issue: 2016-04-29

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Certification Body: CNEX-Global B.V., Utrechtseweg 310, 6812 AR, Arnhem, the Netherlands

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**SCHEDULE**  
**EU-TYPE EXAMINATION CERTIFICATE No.**  
**CNEX 16 ATEX 0003 X**  
**Report: 16003**

[15] Description of equipment:

The explosion-protected camera model YK-EP2014xx is made of stainless steel, constructed with type of explosion protection flameproof enclosure 'db' for explosive gas atmospheres, as well as with type of explosion protection 'tb' for dust atmospheres. It is fitted with toughened float glass windows and a wiper assembly.

Nomenclature for model YK-EP2014 a b:

YK - Young Kook  
EP - Ex-proof  
2014 - Development year  
a - H = High Definition, A = Analogue  
b - D = Dual (Camera + LED), S = Single (Camera)

Ex-coding: Ex db op is IIC T6 Gb (YK-EP2014HD, YK-EP2014AD)  
(Gas) Ex db IIC T6 Gb (YK-EP2014HS, YK-EP2014AS)

Ex-coding: Ex tb IIIC T80 °C Db (all types)  
(Dust)

Electrical Data:

Input voltage ..... : 24 Vac ±25%  
Operating current ..... : 4 A max.

Mounting Instructions:

None.

Installation Instructions:

Only suitable certified flameproof cable glands, stopping plugs and breathing devices are to be used, suitable for the conditions of use, minimum IP66 rated and correctly installed.  
See User Manual.

Routine Tests:

Each flameproof compartment of the enclosure shall be tested with an overpressure test according to EN 60079-1 Clause 16.1, with an overpressure of at least 1800 kPa for minimum 10 seconds.

[16] Descriptive Documents:

Detailed in the Test Report Cover document. (ref. CQST/ExTR1507G003)

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**SCHEDULE**  
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**Report: 16003**

[17] Specific Conditions for Use:

The width of flameproof joints is more than the minimum values specified in the EN 60079-1 standard. If needed, repairs of flameproof joints must only be made in compliance with the structural specifications provided by the manufacturer.

The ambient temperature range is limited to -40 °C ... +55 °C.

[18] Essential Health and Safety Requirements:

Concerning ESR this Schedule verifies compliance with the Annex III of 2014/34/EU directive only. The manufacturer's Declaration of Conformity declares compliance with other relevant requirements and Directives.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.

Additional Information:

The enclosure of the explosion-protected camera model YK-EP2014xx successfully passed the tests for the Ingress Protection level IP68 (2 m / 1 h) to EN 60529.

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