



CNEX-GLOBAL

[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 18 ATEX 0034 X Issue 0**

[4] Equipment : **Explosion-proof Camera model YTU-7001EX**

[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, Republic of 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. **18043**.

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

EN 60079-0:2012 + A11:2013

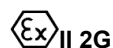
EN 60079-1:2014

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.

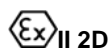
[12] The marking of the equipment or protective system shall include the following:



II 2G

Ex db IIC T6 Gb

or



II 2D Ex tb IIIC T80°C Db

Certification officer : Wu Jianguo

Signature:

Date of issue : 2018-11-dd

Certification Body: CNEX-Global B.V., Utrechtseweg 310-B38, 6812 AR Arnhem, The Netherlands

This certificate may only be reproduced in its entirety and without any change, including schedule



CNEX-GLOBAL

[13]

[14]

SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE No.

CNEX 18 ATEX 0034 X Issue 0

Report: 18043



[15] Description of equipment:

The Flameproof Integrated Camera model YTU-7001EX is made of stainless steel with a minimum 3mm thickness. The camera is constructed in type of explosion protection flameproof enclosure 'db' for explosive gas atmospheres as well as in type of explosion protection 'tb' for explosive dust atmospheres. It is fitted with toughened float glass windows and a wiper assembly.

Nomenclature for model YTU-7001EX:

Y	-	Youngkook
TU	-	Bullet
70	-	Series of product
01	-	Fixed lens
EX	-	Ex-proof

Electrical Data:

Rated voltage ... : 24 Vdc±10%

Rated current ... : 2 A max.

Mounting Instructions:

See manufacturer's instructions.

Installation Instructions:

See manufacturer's instructions.

Routine tests:

Detailed in the Test Report Cover document. (ref. CQST/ExTR1809G003).

[16] Descriptive Documents:

Detailed in the Test Report Cover document. (ref. CQST/ExTR1809G003).

[17] Specific Conditions for Use:

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

The width of flameproof joint is more than the minimum values specified in IEC 60079-1 standard. If needed, repair of the flameproof joints must only be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 4 of IEC 60079-1:2014.



CNEX-GLOBAL

[13]

[14]

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CNEX 18 ATEX 0034 X Issue 0
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[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 Flameproof Integrated Camera model YTU-7001EX successfully passed the tests for the Ingress Protection Level IP68 (2 m / 1 h) to EN 60529.

DRAFT