

[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 17 ATEX 0010 X Issue 0**

[4] Equipment or Protective System: **Explosion-proof Integrated PTZ & Camera**

[5] Manufacturer: **Zhejiang Dahua System Engineering Co., Ltd.**

[6] Address: **No.1187 Binan Road, Binjiang District, Hangzhou,
Zhejiang, P.R. China**

[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. **17041**.

[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 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 IIC T6 Gb or II 2 G Ex db op is IIC T6 Gb
 II 2 D Ex tb IIIC T80°C Db or II 2 D Ex tb op is IIIC T80°C Db

Certification officer: Wu Jianguo

Signature:

Date of issue: 2017-12-04

Certification Body: CNEX-Global B.V., Utrechtseweg 310-B3, 6812 AR, Arnhem, the Netherlands

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SCHEDULE
EU-TYPE EXAMINATION CERTIFICATE No.
CNEX 17 ATEX 0010 X Issue 0
Report: 17041

[15] Description of equipment:

The Explosion-proof Integrated PTZ & Camera models DH-EPCx-PTZ and DH-EPCx-PTZ-IR are made of stainless steel, constructed with type of explosion protection flameproof enclosure 'db' for explosive gas atmospheres and type of explosion protection optical safety 'op is', as well as with type of explosion protection 'tb' for dust atmospheres. They are fitted with toughened glass windows and a wiper assembly.

Nomenclature for model DH-EPCx-PTZ-IR:

DH	-	Company code
EPC	-	Product code
X	-	Camera model
PTZ	-	PTZ
IR	-	IR (with IR illuminator), None (without IR illuminator)

Electrical Data:

Input voltage : 100 - 240 Vac, 24 Vac
Operating current : 3.0 A max.

Mounting Instructions:

None.

Installation Instructions:

See User Manual.

[16] Descriptive Documents and Routine Tests:

Detailed in the Test Report Cover document. (ref. CQST/ExTR1705G007)

[17] Specific Conditions for Use:

The ambient temperature range is limited to -40 °C ... +60 °C.

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

Enclosure fasteners shall have a minimum yield strength of 450 MPa.

[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.

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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-proof Integrated PTZ & Camera models DH-EPCx-PTZ and DH-EPCx-PTZ-IR successfully passed the tests for the Ingress Protection level IP68 (1.2 m / 45 min) to EN 60529.

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