



# 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](http://www.iecex.com)

Certificate No.: IECEx CNEX 17.0012X

Issue No: 0

Certificate history:

Issue No. 0 (2017-11-30)

Status: **Current**

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Date of Issue: **2017-11-30**

Applicant: **Zhejiang Dahua System Engineering Co., Ltd.**  
No.1187 Binan Road, Binjiang District, Hangzhou, Zhejiang  
**China**

Equipment: **Explosion-proof Integrated PTZ & Camera**

*Optional accessory:*

Type of Protection: **'db', 'op is', 'tb'**

Marking:

Ex db IIC T6 Gb

Ex db op is IIC T6 Gb

Ex tb IIIC T80°C Db

Ex tb op is IIIC T80°C Db

*Approved for issue on behalf of the IECEx  
Certification Body:*

Wu Jianguo

*Position:*

Certification Officer

*Signature:  
(for printed version)*

*Date:*

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:

**CNEX-Global B.V.**  
**Utrechtseweg 310-B38,**  
**6812AR, Arnhem**  
**The Netherlands**





# IECEX Certificate of Conformity

Certificate No: IECEx CNEX 17.0012X Issue No: 0  
Date of Issue: 2017-11-30 Page 2 of 3  
Manufacturer: **Zhejiang Dahua System Engineering Co., Ltd.**  
No.1187 Binan Road, Binjiang District, Hangzhou, Zhejiang  
**China**

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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-28 : 2015</b> Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
<b>IEC 60079-31 : 2013</b> Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*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/CNEX/ExTR17.0012/00](#)

Quality Assessment Report:

[NL/CNEX/QAR16.0002/01](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

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.

See attached Annex for details.

### 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 IEC 60529.

### SPECIFIC CONDITIONS OF USE: YES as shown below:

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

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

### Annex:

[P17041IA-CC IECEx CNEX 170012X issue 0 - Annex.pdf](#)



## Annex to Certificate IECEx CNEX 17.0012X Issue 0

Equipment or Protective System: Explosion-proof Integrated PTZ & Camera,  
Models DH-EPCx-PTZ and DH-EPCx-PTZ-IR

Manufacturer: Zhejiang Dahua System Engineering Co., Ltd.

Address: No.1187 Binan Road, Binjiang District, Hangzhou,  
Zhejiang, P.R. China

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.

Descriptive Documents and Routine Tests:

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

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

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