



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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Certificate No.:  issue No.: 0

Status: **Current**

Date of Issue: **2016-07-29** Page 1 of 4

*Applicant:* **Zhejiang Dahua System Engineering Co., LTD.**  
1187 Bin'an Road, Binjiang District, Hangzhou, Zhejiang  
China

Equipment: **Explosion-proof camera model DH-EPC**  
*Optional accessory:*

Type of Protection: **Ex 'db', Ex 'tb'**

Marking:  
Ex db IIC T6 Gb  
Ex tb IIIC T80°C Db

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

*Position:* Certification Officer

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.

Certificate issued by:





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Manufacturer: **Zhejiang Dahua System Engineering Co., LTD.**  
1187 Bin'an 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><br>Edition: 6.0    | Explosive atmospheres - Part 0: General requirements                                 |
| <b>IEC 60079-1 : 2014-06</b><br>Edition: 7.0 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"    |
| <b>IEC 60079-31 : 2013</b><br>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/ExTR16.0006/00](#)

Quality Assessment Report:  
[NL/CNEX/QAR16.0002/00](#)



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## Schedule

### EQUIPMENT:

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

The explosion-proof camera model DH-EPC 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. The enclosure contains the camera assembly, the decoder and the terminals. It is fitted with a toughened glass window.

### CONDITIONS OF CERTIFICATION: YES as shown below:

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

If supplied with a permanently attached cable, the free end of the cable shall be terminated in a suitable enclosure which is Ex-certified per IEC 60079-0 cl. 1, or in the non-hazardous area, and be fixed installed.



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**Additional information:**

The enclosure of the explosion-proof camera model DH-EPC successfully passed the tests for the Ingress Protection level IP68 (2 m / 2 h) to IEC 60529.