



# 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 TUR 16.0050X   | Issue No: 0 | Certificate history:<br>Issue No. 0 (2016-11-15) |
| Status:             | Current  | Page 1 of 3 |  |
| Date of Issue:      | 2016-11-15   |             |  |
| Applicant:          | Hangzhou Hikvision Digital Technology Co., Ltd.<br>No. 555 Qianmo road, Binjiang district, Hangzhou, Zhejiang<br>China |             |  |
| Equipment:          | Dome   |             |  |
| Optional accessory: | DS-2DF series, DS-FB series  |             |  |
| Type of Protection: | Ex d / Ex tb   |             |  |
| Marking:            | Ex db IIC T6 Gb<br>Ex tb IIIC T80°C Db IP68  |             |  |

Approved for issue on behalf of the IECEx  
Certification Body:

Klauspeter Graffi

Position:

Head of Certification Body

Signature:  
(for printed version)

Date:

  
2016-11-15

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:

TUV Rheinland Industrie Service GmbH  
Am Grauen Stein  
51105 Cologne  
Germany





# IECEx Certificate of Conformity

Certificate No: IECEx TUR 16.0050X

Issue No: 0

Date of Issue: 2016-11-15

Page 2 of 3

Manufacturer: **Hangzhou Hikvision Digital Technology Co.,Ltd.**  
No. 555 Qianmo 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:

**IEC 60079-0 : 2011** Explosive atmospheres - Part 0: General requirements

Edition:6.0

**IEC 60079-1 : 2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

Edition:7.0

**IEC 60079-31 : 2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

Edition:2

*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:

[DE/TUR/ExTR16.0050/00](#)

Quality Assessment Report:

[DE/TUR/QAR16.0018/00](#)



# IECEx Certificate of Conformity

Certificate No: IECEx TUR 16.0050X

Issue No: 0

Date of Issue: 2016-11-15

Page 3 of 3

## Schedule

### EQUIPMENT:

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

The explosion-proof dome is a surveillance product, it captures high quality colored images in dim light environment with its low illumination and offers more details over expansive areas.

It is equipped with explosion-proof enclosure made of stainless steel and PC cover. It can be widely used in places such as: port, mine, wharf, petrochemical industry, military industry.

More information see annex

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

1. Ambient temperature: -40°C - +60°C.
2. WARNING – DO NOT OPEN WHEN ENERGIZED.
3. WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.
4. When assembly, operation and maintenance, the operator must follow the requirements of the IEC 60079-14: latest version Explosive atmospheres- Part 14: Electrical installations design, selection and erection, beside of the manufacturer's operating instructions or its National equivalent.
5. Repair and overhaul shall comply with IEC 60079-19: latest version or its National equivalent.

### Annex:

[DE-IECEx\\_TUR\\_16.0050 X\\_00\\_Attachment\\_2016-11-15.pdf](#)



Attachment to Certificate  
IECEX TUR 16.0050 X  
Revision 0

Attachment to to Certificate IECEX TUR 16.0050 X

**Device:** Explosion -Proof Dome  
DS-2DF series, DS-FB series

**Manufacturer:** Hangzhou Hikvision Digital Technology Co.,Ltd

**Address:** No. 555, Qianmo Road, Binjiang District, Hangzhou, Zhejiang, P.R. China

**General product information:**

The explosion-proof dome is a surveillance product, it captures high quality colored images in dim light environment with its low illumination and offers more details over expansive areas.

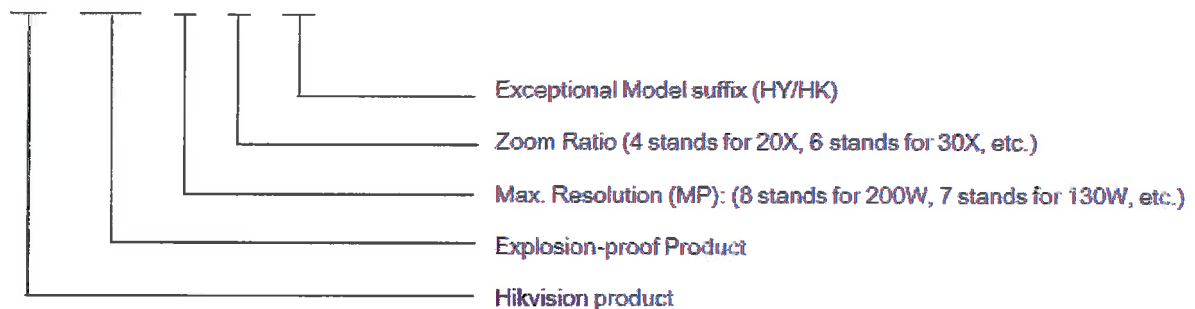
It is equipped with explosion-proof enclosure made of stainless steel and PC cover. It can be widely used in places such as: port, mine, wharf, petrochemical industry, military industry.

Model and type designation of the product:

The product can be named by rules of figure 1 and figure 2.

Model and type designation of the product:

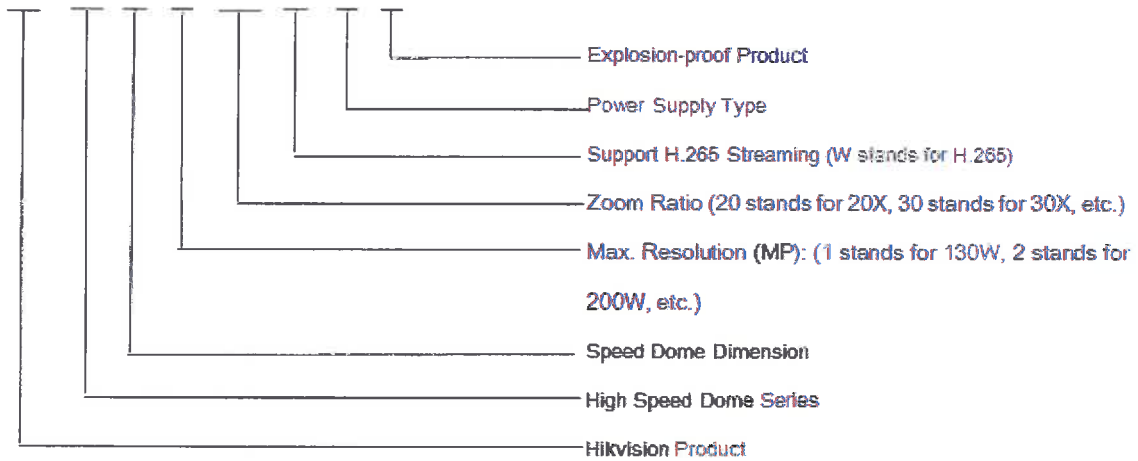
DS - FB52 X X - XX



Exp.: DS-FB5284

Figure 1 Product Naming Rule 1

DS -2DF X X XX X - X X



Exp.: DS-2DF6223W-CX

Figure 2 Product Naming Rule 2

Explosion -Proof Dome reference drawing:



Drawing 1: Explosion -Proof Dome (for reference only)

### Specific Conditions of Use

1. Ambient temperature: -40°C - +60°C.
2. WARNING – DO NOT OPEN WHEN ENERGIZED.
3. WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.
4. When assembly, operation and maintenance, the operator must follow the requirements of the IEC 60079-14: latest version Explosive atmospheres- Part 14: Electrical installations design, selection and erection, beside of the manufacturer's operating instructions or its National equivalent.
5. Repair and overhaul shall comply with IEC 60079-19: latest version or its National equivalent.