



# 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 KTL 17.0004X Issue No: 0 Certificate history:  
Issue No. 0 (2017-01-24)

Status: **Current** Page 1 of 3

Date of Issue: **2017-01-24**

Applicant: **Insight technology**  
4F 399, Sinheung-ro, Bucheon-si, Gyeonggi-do  
**Korea, Republic of**

Equipment: **Explosion proof IR dome camera, FDX and SDX series**  
*Optional accessory:*

Type of Protection: **Flameproof enclosure "d", Dust ignition protection by enclosure "t"**

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

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

Park Jong-koo

*Position:*

Certification Manager

*Signature:  
(for printed version)*

*Date:*

2017-01-24

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:

**Korea Testing Laboratory**  
87, Digital-ro, 26-gil, Guro-gu  
Seoul  
Korea, Republic of





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Date of Issue: 2017-01-24 Page 2 of 3  
Manufacturer: **Insight technology**  
4F 399, Sinheung-ro, Bucheon-si, Gyeonggi-do  
**Korea, Republic of**

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 : 2007-04** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:6  
**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:

[KR/KTL/ExTR17.0004/00](#)

Quality Assessment Report:

[KR/KTL/QAR17.0001/00](#)



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## Schedule

### EQUIPMENT:

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

Explosion proof IR dome camera FDX and SDX series are composed of a dome cover, bottom housing, main housing and top housing. Cylindrical joints and cemented joints are applied to the equipment. One entry is located on the top housing. Thread type is 3/4 NPT. The equipment provides a degree of protection IP66/68 in accordance with IEC 60529. Certified cable entry device shall be used. This CoC does not include the assessment to IEC 60079-28.

#### Thermal data

Tamb: -40 °C to +60 °C

#### Electrical data

Rated voltage: 24 Vac

Rated ampere: 3 A

Rate wattage: 54 W

#### Model configuration

a X – b c d

a(type): SD(speed dome PTZ), FD(motorized dome)

X(explosion proof)

b(pixel): M30(mega pixel 30X zoon camera), M20(mega pixel 20X zoom camera)

c (sensitivity): S(normal camera), H(high sensitivity camera)

d(ethernet): N(with internet module(IP)), P(without ethernet module)

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

- Fasteners with property class A2-70 shall be used.
- Potential electrostatic charging hazard - see instructions.