



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx KSCP 21.0005X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2021-02-18

Applicant: **TKH Security B.V.**  
Meridiaan 32  
2801 DA  
Gouda  
**Netherlands**

Equipment: **PTZ DOME CAMERA EX-PD24**

Optional accessory:

Type of Protection: **"db" "tb"**

Marking: Ex db IIC T6 Gb  
Ex tb IIIC T85°C Db  
IP 66/68  
Tamb = -40°C to +60°C

Approved for issue on behalf of the IECEx  
Certification Body:

**Sanghe Kim**

Position:

**President of the Board**

Signature:  
(for printed version)

Date:

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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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**KSC POLAND Sp. z o.o.**  
**Chorzowska 150 Street**  
**Katowice 40-101**  
**Poland**





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Date of issue: 2021-02-18

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Manufacturer: **TKH Security B.V.**  
Meridiaan 32  
2801 DA  
Gouda  
**Netherlands**

Additional  
manufacturing  
locations:

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 equipment 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 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**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 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:

[PL/KSCP/ExTR21.0003/00](#)

Quality Assessment Report:

[GB/EXV/QAR17.0017/02](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

PTZ DOME Camera EX-PD24 is built on the basis of a tube-shaped stainless steel housing, closed on both sides by covers. Top cover consist transparent part in shape of bubble made from polycarbonate fitted by ring cover to main body. External electrical cables can be connected through the M20, M25 threaded cable gland entry located on bottom cover, cable gland entry is intended to use by an Ex certified cable gland, which are not provided. All housing parts are fitted together by stainless steel M4 hexagon headset screws. Inside the housing depending of type there is a camera module in various option with functional electronics and an I/O board as well.

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

- i. The screws used for the assembly of the various parts of explosion-proof enclosures must have a yield stress of at least 640 MPa.
- ii. The dimensions of flameproof joints are different from the values specified in the tables of the IEC 60079-1 standard. All information about flame paths dimensions of the equipment enclosure shall be obtained from the manufacturer.
- iii. The service temperature at entry point and branching points are 75 °C.
- iv. For the risk from electrostatic discharge, the user shall read the instructions.

The other conditions of use are stipulated in the instructions.

## Annex:

[KSCP\\_Annex\\_IECEx KSCP 21.0005X.pdf](#)



## Addendum to IECEx Certificate

Reference Number.....:	IECEX KSCP 21.0005X
Issue.....:	Issue 0

### PARAMETERS RELATING TO THE SAFETY

**Equipment Type name:** EX-PD24

Power Source	PoE / DC 12V / AC24V AC 24 V (With Heater)
Power Consumption	PoE: 250 mA (12 W) DC 12 V / AC 24 V: 1 A (12 W) AC 24 V (Heater, Fan On, Max) : 1.5 A (22 W)

### MARKING

Marking has to be readable and indelible; it has to include the following indications:

- TKH Security B.V.
- Meridiaan 32, 2801 DA Gouda, Netherlands
- EX-PD24
- IECEX KSCP 21.0005X
- (Serial number)
- Ex db IIC T6 Gb
- Ex tb IIIC T85°C Db
- IP 66/68
- Tamb.: -40°C to +60°C
- Cable entry: M20 / M25
- WARNING:  
DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT  
POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS

### ROUTINE EXAMINATIONS AND TESTS

In accordance with clause 16.1 of the IEC 60079-1 standard, each pieces of equipment defined above has to have successfully passed; before delivery, an overpressure test of a period comprised between 10 and 60 seconds under 13.56 bar.

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