

# KSC POLAND Sp. z o.o.

## EU-TYPE EXAMINATION CERTIFICATE

(1)

(2) **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 2014/34/EU**

(3) EU-Type Examination  
Certificate No.:

**KSC 21ATEX0008X**, Issue: 0

(4) Product:

**PTZ DOME CAMERA EX-PD24**

(5) Manufacturer:

**TKH Security B.V.**

(6) Address:

**Meridiaan 32, 2801 DA Gouda, Netherlands**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) KSC POLAND Sp. z o.o., Notified Body number 2877, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **KSC/AR/21/Q00121**

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018  
EN 60079-31:2014**

**EN 60079-1:2014**

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU – Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:

 **II 2G Ex db IIC T6 Gb**  
 **II 2D Ex tb IIIC T85°C Db**

Signature  
President of the Board

*Katowice, 18<sup>th</sup>, February, 2021*





# KSC POLAND Sp. z o.o.

## SCHEDULE

### CERTIFICATE NO KSC 21ATEX0008X

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(15) Description of Product:

PTZ DOME Camera EX-PD24 Type 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.

#### Rating:

Power source	PoE; 12VDC; 24VAC	
Power consumption		
PoE	250 mA	12W
DC 12 V	1.5A	12W
AC 24 V	1 A	12W
AC24V (Heater, Fan On, Max)	1.5A	22W
Ingress protection	IP 66/68	
Ambient temperature	- 40 °C ≤ Tamb ≤ + 60 °C	

The verification of the protection degree IPX8 corresponds to an immersion under 1 meter of water during 35 minutes.

(16) Report Number:

– **KSC/AR/21/Q00121**

(17) Specific Conditions of Use:

- Do not open when an explosive atmosphere is present.
- Potential electrostatic charging hazard - see instructions
- Some of equipment flame paths have dimensions are different than listed in the IEC 60079-1. All information about flame paths dimensions of the equipment enclosure shall be obtained from the manufacturer.
- Use special fasteners with a yield stress of at least 640 MPa.
- The device input should be made through the "Ex d" and "Ex t" certified cable glands, which provides ingress protection level of IP6X according to IEC 60079-31. Service temperature at cable entry point and cable branching point is 75°C.





# KSC POLAND Sp. z o.o.

## SCHEDULE

### CERTIFICATE NO KSC 21ATEX0008X

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(18) Essential Health and Safety Requirements:

Essential Health and Safety Requirements are ensured by conformity with standards listed at item 9 of this certificate.

(19) Drawings and Documents:

– Documentation agreed, provided by manufacturer:

Title	Drawing No.	Rev.	Date
MARKING PLATE	Ex-SXN-0015-T	0	2020-02-17

– EX-PD24 installation manual V1.0 2021 (Pages 1 to 16)

A detailed list of documents necessary to identify the approved type is included in the Report referred to in point 16 of this certificate.

(20) Certificate history:

Issue	Issue date	Notes
0	18 <sup>th</sup> , February, 2021	Initial certification

