

KSC POLAND Sp. z o.o.

SCHEDULE

(13)

(14)

CERTIFICATE No.: KSCP 21ATEX0018X, Issue:0

(15) Description of Product:

TNO-****ER Network Camera is made of electropolished - stainless steel with ASTM 316L for body and SUS 316L for front cover/body with minimal thickness of 3.4 mm. It consists of a cylindrical body with front flange closed by cover fixed by eight M6x1.0 cap screws, inside of which a camera/lens and are installed the cooling DC fan and resistive type heater that turns on at temperature below 5 °C and turns off at 15 °C above.

The front flange is installed with IR LED/lens and contains cylindrical shaft with rolling element bearing/oil seal of wiper. The cameras tempered glass windows are cemented into the window frame using silicone epoxy is mechanically fixed by threaded retaining rings. The cables entry are made through one 3/4"(4) NPT threaded holes located on the back of the body for the fitting of a suitably certified cable gland. TNO-****ER Network Camera, marking explanation below:

TNO – abbcER			
Item	Description	Explanation	Remark
a	6,7,8,9	Resolution 6: 2 Mega Pixel 7: 3~5 Mega Pixel 8: 6 Mega Pixel 9: 8 Mega Pixel	※ The maximum power consumption of all combined models is 45 W or less.
bb	12, 15, 20, 23, 25, 30, 32, 37, 40, 55	Optical Zoom 12 : x12 15 : x15 20 : x20 23 : x23 25 : x25 30 : x30 32 : x32 37 : x37 40 : x40 55 : x55	
c	0~9	Version	※ Display version for classification when electronic partial changes occur . (Report to electronic certification company in order of revision.)



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Rating:

Input Voltage: 24 VAC; 50/60 Hz
 Current: 1.9 A
 Power: Max. 45 W
 Ambient temperature: -40°C to +60°C (IR Power OFF)
 -40°C to +55°C (IR Power ON)
 Ingress protection: IP 67

(16) Report Number:

– **KSCP/AR/21/Q00131**

(17) Specific Conditions of Use:

- The screws used for the assembly of the various parts of explosion-proof enclosures must have a yield stress of at least 450 MPa.
- The dimensions of flameproof joints are different from the values specified in the tables of the IEC 60079-1 standard. The flameproof joints are not intended to be repaired.
- The cable entry should be made through the “Ex d” and “Ex t” certified cable entry device, which provides ingress protection level of IP6X according to IEC 60079-31.
- Service temperature at cable entry point and/or cable branching point may reach 76°C.

(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. Level:	Date:
Part list	KPMCEX210303-C01-00	-	2021. 03. 02
Certification Drawing	KPMCEX200912-C02-00	-	2021. 03. 02



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– Product instruction:

Title:	Document No.:	Rev. Level:	Date:
Instruction Manual_ Network Camera TNO-****ER MANUAL	OM210707V1_0	1.0	-

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	27 th August, 2021	Initial certification

