



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

Certificate No.: **IECEx DEK 19.0078X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-11-25

Applicant: **AVEC SOLUTION**
7, Meorusut-gil, Opo-eup
Gwangju-si, Gyeonggi-do
Korea, Republic of

Equipment: **Dome Type Security Camera, type AVEC-ExDome-*****

Optional accessory:

Type of Protection: **Ex db, Ex tb**

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

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:

2020-11-25

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 or use of this QR Code.



Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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Certificate No.: **IECEx DEK 19.0078X**

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Date of issue: 2020-11-25

Issue No: 0

Manufacturer: **AVEC SOLUTION**
7, Meorusut-gil, Opo-eup
Gwangju-si, Gyeonggi-do
Korea, Republic of

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:

[NL/DEK/ExTR19.0104/00](#)

Quality Assessment Report:

[NL/DEK/QAR16.0005/02](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Dome Type Security Camera, type AVEC-ExDome-*** consists of a stainless steel enclosure with a camera unit.
The complete enclosure is in type of protection flameproof enclosures "d" and protection by enclosures "t".

Ambient temperature range -20 °C to +65 °C.

For information see Annex 1 to Report No. NL/DEK/ExTR19.0104/00.

The enclosure provides a degree of protection of IP6X per IEC 60079-0 and IEC 60529 and IPX8 only per IEC 60529.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The equipment shall be installed in vertical position with lens down only as shown in the instruction manual.

The flameproof joints are not intended to be repaired.

The property class of the fasteners is A2-70.

Precautions shall be taken to minimize the risk of electrostatic discharge and/or propagating brush discharge.

Annex:

[510038600-Annex1 to ExTR19.0104.00.pdf](#)