



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 CSAE 23.0051X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2024-03-11
Applicant: **Top Hi-Tech Co., Ltd.**
9F, No.1, Zhongshan Rd.
Tucheng Dist.
New Taipei City 236 Taiwan (R.O.C)
Taiwan
Equipment: **Model C2201 Explosion-proof IP Camera**
Optional accessory:
Type of Protection: **Flameproof "db", Dust Protection by Enclosure "tb"**
Marking: Ex db IIC T6 Gb
Ex tb IIIC T80°C Db
Ta = -20°C to +50°C

Approved for issue on behalf of the IECEx
Certification Body:

Michelle Halliwell

Position:

Director Operations, UK & Industrial Europe

Signature:
(for printed version)

Date:
(for printed version)

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:

CSA Group Testing UK Ltd
Unit 6, Hawarden Industrial Park
Hawarden, Deeside CH5 3US
United Kingdom





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Manufacturer: **Top Hi-Tech Co., Ltd.**
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Tucheng Dist.
New Taipei City 236 Taiwan (R.O.C)
Taiwan

Manufacturing locations: **Top Hi-Tech Co., Ltd.**
9F, No.1, Zhongshan Rd.
Tucheng Dist.
New Taipei City 236 Taiwan (R.O.C)
Taiwan

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](#) 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:

[GB/CSAE/ExTR24.0009/00](#)

Quality Assessment Report:

[DE/TUR/QAR13.0016/05](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Model C2201 Explosion-proof IP Camera, final enclosure consists of one aluminium base, two aluminium covers, and a glass window. The glass window secured between one cover and base. On the other cover provided with either a M25 or M20 cable entry. Inside the enclosure, utilized a Camera module (See controlled drawing EX-THT-C2201-014), provided with a camera gasket to cover two of the infra LEDs. The enclosure incorporates two flanged flameproof joints. One is between the cover and base, the other one is between glass window and cover, each provided with a gasket secured by glue in the groove for ingress protection. Four fasteners secured each cover to the base.

See annexe for equipment continued

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. For either M25 or M20 cable entry, must apply Ex cable glands certified for both IECEx and ATEX, with protection levels of both Ex db IIC and Ex tb IIIC, and make sure Ex cable gland assembled Model C2201 still meet the assigned T-codes as shown in the markings.

Annex:

[IECEX CSAE 23.0051X Annexe Issue 0_1.pdf](#)

Annexe to: IECEx CSAE 23.0051X

Applicant: TOP HI-TECH CO., LTD.

Apparatus: Model C2201 Explosion-proof IP Camera



Equipment continued

Exploded view diagram of the explosion-proof IP camera. Dimensions shown: 234.3 (width), 143.0 (depth), 135.4 (height), and Ø133.9 (diameter). Callouts 1-11 identify components. Callout 10 is marked as optional.

No.	Description	Material	Drawing No.	Q'ty
1	Body	AL 6063-T6	EX-THT-C2201-004	1
2	Glass Cover	AL 6061-T6	EX-THT-C2201-005	1
3	Cover(M25)	AL 6061-T6	EX-THT-C2201-006	1
3	Cover(M20)	AL 6061-T6	EX-THT-C2201-024	1
4	Glass	Tempered Glass	EX-THT-C2201-007	1
5	Camera Module Bracket	SECC	EX-THT-C2201-008	1
6	Camera Gasket	Silicone	EX-THT-C2201-009	1
7	O-ring	Silicone	EX-THT-C2201-010	2
8	M6 Screw	SUS 304	EX-THT-C2201-011	8
9	M5 Screw	SUS 304	EX-THT-C2201-012	6
10	Hood	SUS 304	EX-THT-C2201-013	1
11	Camera Module	N/A	EX-THT-C2201-014	1