

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 Number: **DEMKO 18 ATEX 2055X Rev. 0**

[4]

Product: **IP Camera, Model C1203 series**

[5]

Manufacturer: **Top Hi-Tech Co Ltd.**

[6]

Address: **9F, No. 1 Zhongshan Rd. Tucheng District, New Taipei, 23680, Taiwan**

[7]

This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8]

UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to 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. **4788387575.1.1**

[9]

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

EN 60079-0:2012+A11:2013

EN 60079-1:2014

EN 60079-31:2014

[10]

If the sign "X" is placed after the certificate number, it indicates that the product is subject to special conditions for safe 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 the certificate.

[12]

The marking of the product shall include the following:



II 2 G

Ex db IIB+H2 T6 Gb



II 2 D

Ex tb IIIC T85°C Db

Certification Manager

Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2018-12-20

Notified Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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Schedule

[14]

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[15]

Description of Product

C1203 series of flameproof IP camera are composed of Glass Cover, Glass Lens, Tank, Tank O-ring, Top Cover O-ring and Top Cover to form a flameproof enclosure. The CCTV unit is protected within the flameproof enclosure and powered by a PoE source in the field. The Glass Lens is secured to bottom of Tank by Glass Cover; the Top Cover is secured to top of Tank by screws. The Top Cover incorporates four threaded openings at sides with Screw Plugs and also provides one threaded opening at top for Cable Gland assembly. The constructions of all Tank, O-rings and Cable Gland assemblies are evaluated for "db" and "tb" protection. All Tank assemblies including Glass Cover and Top Cover are aluminum alloy, the optic part is a glass material and secured between Tank and Glass Cover; all Cable Gland assemblies are stainless steel with the O-ring and Tube secured inside to form as the protection.

Nomenclature:

The complete model number breakdown is as following:

Models	THT	C	1203	A	B	L	Z	E	Z6
	1	2	3	4	5	6	7	8	9

1 – Designates basic series.

THT – Basic series for all products.

2 – Designates product types.

C – "d" flameproof IP camera.

3 – Designates model name.

1203 – Models C1203 series.

4 – Designates sub-series.

A – CCTV driven by PoE.

5 – Designates type of Top Cover.

B – Short Top Cover.

6 – Designates module type.

L – CCTV Module.

7 – Designates CCT (Correlated Color Temperature) code.

Z – No color temperature.

8 – Designates operation voltage.

E – 48 Vdc.

9 – Designates operation wattage.

Z6 – 5.6 W.

Models covered are as following:

Model	Ambient Temperature range	Gas Temperature Code	Dust Temperature Rating
THTC1203ABLZEZ6	-20°C to +40°C	T6	T85°C

Temperature range

The relation between ambient temperature and the assigned temperature class is as follows:

Ambient temperature range

-20°C to +40°C

Temperature class

T6 for gas;
T85°C for dust

Schedule

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[14]

Electrical data

The IP camera has the following operation rating:

THTC1203ABLZEZ6 – 48 Vdc, 5.6 W.

Routine tests

Routine Overpressure tests according to EN 60079-1, Clause 10.9.3.4.1 are not required, as the enclosures have been successfully tested at four times the reference pressure.

[16]

Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

[17]

Specific conditions of use:

The flameproof joints are not intended to be disassembled or repaired.

[18]

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

The C1203 has in addition passed the tests for Ingress Protection to IP 67 in accordance with EN60529:1991+A1:2000+A2:2013.



The trademarks
the marking label.

and/or

will be used as the company identifiers on

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.