

(1) EU-TYPE EXAMINATION CERTIFICATE



- (2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**
- (3) EU-Type Examination Certificate Number

TÜV 21 ATEX 8774 X

Issue: 01

- (4) Equipment: **Explosion-Proof Camera**
Type(s): DH-ECA2A series
- (5) Manufacturer: **ZHEJIANG DAHUA VISION TECHNOLOGY CO.,LTD.**
- (6) Address: **No. 1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China**

- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report GC/Ex8774.01/21

- (9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN IEC 60079-0:2018

EN 60079-1:2014

EN 60079-31:2014

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment 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 specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.
- (12) The marking of the equipment shall include the following:



II 2 G Ex db IIC T6 Gb
II 2 D Ex tb IIIC T80°C Db

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2022-06-08

He Mei
Dipl.-Ing. He Mei



This EU-Type Examination Certificate without signature and stamp shall not be valid.
This EU-Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the
TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13)

Annex

(14)

EU Type Examination Certificate

TÜV 21 ATEX 8774 X

Issue: 01

(15)

Description of equipment

15.1 Equipment and type:

Explosion-Proof Camera
 Type(s): DH-ECA2A series

15.2 Description

General product information

The main enclosure of the Explosion-Proof Camera model DH-ECA2A is made of 304 or 316L. The enclosure is constructed in type of explosion protection flameproof enclosure "db". The equipment is intended to be used combustible gas environment in Zone 1 and 2, and combustible dust environment in Zone 21 and Zone 22. DH-ECA2A is used to monitor the condition of environment and transfer to display.

Type/model description:

0	1	2	3	4	5	6	7	8	9	10
Fixed type	illuminator	Resolution	Optical Zoom	P/T Type	Interface	Intelligent Function	Zoom Module	Zoom Module Sequence Number	Feature	Feature
DH-ECA2A	0=None 1=Infrared	1=130W 2=200W 3=300W 4=400W 5=500W 6=600W 8=800W A=1000W	00=Fixed 03=3x 04=4x 05=5x 10=10x 12=12x 15=15x 16=16x 18=18x 20=20x 23=23x 25=25x 28=28x 30=30x 31=31x 32=32x 33=33x 36=36x 37=37x 38=38x 40=40x 41=41x 44=44x 45=45x 48=48x 50=50x 60=60x 1A=100x							Not relevant with Ex.

This EU Type Examination Certificate without signature and official stamp shall not be valid.
 This certificate may be circulated without alteration. Extracts or alterations are subject to approval by:
 Zertifizierungsstelle of TÜV Rheinland Industrie Service GmbH

Details of change:

Add content "Optical Zoom: 00=Fixed" into the Nomenclature of equipment.

Technical Data

Rated Voltage: 12VDC

Rated power: 4W

Ambient Temperature: -40°C to +60°C

Ingress protection: IP66/68 (2m, 2h)

(16) Test-Report No. GC/Ex8774.01/21

(17) Special Conditions for safe use

1. Specific guidance noted to contact the original manufacturer for information on the dimension of the flameproof joints.
2. CAUTION - USE FASTENERS WITH YIELD STRESS \geq 260Mpa.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2022-06-08


Dipl.-Ing. He Mei



This EU Type Examination Certificate without signature and official stamp shall not be valid.
This certificate may be circulated without alteration. Extracts or alterations are subject to approval by:
Zertifizierungsstelle of TÜV Rheinland Industrie Service GmbH