

# EU TYPE-EXAMINATION CERTIFICATE

1. EU type-examination Certificate (Module B)
2. Equipment or Protective System intended for use in potentially explosive atmospheres (Directive 2014/34/EU)
3. EU type examination certificate Nr ITS15ATEX18348X R. 0
4. Product: Flameproof, Dust-ignition-proof Camera
5. Manufacturer: INDUSTRIAL VIDEO & CONTROL CO.      Applicant: INDUSTRIAL VIDEO & CONTROL CO.
6. Address: 330 Nevada Street      Address: 330 Nevada Street  
Newton, MA 02460  
USA      Newton, MA 02460  
USA
7. This product and any acceptable variation thereto are specified in the schedule to this certificate and therein referred to.
8. INTERTEK ITALIA S.p.A., Notified Body n° 2575 in accordance with article 17 of the Directive 2014/34/EU of the European Parliament and Council of the 26 February 2014, certifies that the equipment or protective system has been found to comply with the essential Health and Safety Requirements relating to the design and construction of equipment and protective system intended for use in potentially explosive atmosphere, given in Annex II of the Directive.

The examination and tests results are recorded in confidential technical evaluation Intertek Report Nr. 104694897DAL-002, dated 21-Sep-2021

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018 and EN 60079-1:2014 and EN 60079-31:2014 except in respect of those requirements referred to at item 16 of the Schedule.
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 this certificate.
12. The marking of the product shall include the following:



II 2 GD  
Ex db IIC T6 Gb  
Ex tb IIIC T80°C Db  
IP66  
-20°C ≤ Ta ≤ +60°C

27 September 2021



Certificate issue date

Todd Relyea  
Certification Officer  
Intertek Italia S.p.A. (NB 2575)



PDR N° 277B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Intertek Italia S.p.A. Via Miglioli, 2/A - 20063 Cernusco sul Naviglio, Milano - Italy



## SCHEDULE

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### 13. DESCRIPTION OF THE EQUIPMENT OR PROTECTIVE SYSTEM

The AMZ-\*\*\*\*-\* and AMZ-\*\*\*\*-\*\* are a series of flameproof, dust-ignition-proof cameras. They employ an IECEx certified flameproof enclosure built from aluminum or stainless steel. The flameproof enclosure possesses a threaded cover and a glass window that acts as the lens. The enclosure also has two threaded lateral openings for wiring purposes, these openings are meant to be filled by properly certified entry devices. The camera models differ by the internal camera that is used in each model, they can be powered by a DC supply, PoE or both. The cameras have an option for an internal LED ring and internal heater.

Models and ratings:

AMZ-3041-2: 12VDC, 0.7A or 24VDC, 0.4A

AMZ-3641-05: 12VDC, 1A or 24VDC, 0.5A or 48VDC (PoE), 0.25A

AMZ3641-06: 12VDC, 1A or 24VDC, 0.5A or 48VDC (PoE), 0.25A

AMZ-HD41-2: 12VDC, 1.2A or 24VDC, 0.6A, or 48VDC (PoE), 0.3A

AMZ-HD41-3: 12VDC, 1.2A or 24VDC, 0.6A, or 48VDC (PoE), 0.3A

CE Marking shall be accompanied by the identification number of the Notified Body responsible for surveillance of production.

### 14. DRAWINGS AND DOCUMENTS

TITLE	DOCUMENT Nr	LEVEL	DATE
AMZ-3041-2 Installation Guide	AMZ-3041-2	1.15.0	March 20, 2017
AMZ-3641-05 Installation Guide	AMZ-3641-05	1.11.0	March 20, 2017
AMZ-3641-06 Installation Guide	AMZ-3641-06	1.10.0	March 20, 2017
AMZ-HD41-2 Installation Guide	AMZ-HD41-2	1.16	June 25, 2018
AMZ-HD41-3 Installation Guide	AMZ-HD41-3	1.1	April 16, 2018
[ALUM] NAMEPLATE	IVC1373	13	04/16/18
[SS] NAMEPLATE	IVC1374	13	04/16/18
*ALUM. REF SHEET	IVC1400 (Sheet 1 of 24)	02	N/A
*CROSS SECTION	IVC1400 (Sheet 2 of 24)	02	N/A
*CROSS SECTION 2	IVC1400 (Sheet 3 of 24)	02	N/A
*CAMERA AREA	IVC1400 (Sheet 4 of 24)	02	N/A
* SS CONFIG.	IVC1400 (Sheet 5 of 24)	02	N/A



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TITLE	DOCUMENT Nr	LEVEL	DATE
* LED ASSEMBLY	IVC1400 (Sheet 6 of 24)	02	N/A
* AMZ-3X41-XX INTERNALS	IVC1400 (Sheet 7 of 24)	02	N/A
* AMZ-3641-XX LENS OPTIONS	IVC1400 (Sheet 8 of 24)	02	N/A
* LENS OPTIONS (AMZ-3041-XX)	IVC1400 (Sheet 9 of 24)	02	N/A
* AMZ-HD41-XX INTERNALS	IVC1400 (Sheet 10 of 24)	02	N/A
* AMZ-HD42-XX INTERNALS	IVC1400 (Sheet 11 of 24)	02	N/A
*COMPLETE ASSEMBLY WITH COVER AND GLASS	IVC1400 (Sheet 12 of 24)	02	N/A
*COMPLETE ASSEMBLY WITH COVER AND GLASS	IVC 1400 (Sheet 13 of 24)	02	N/A
*COMPLETE ASSEMBLY WITH COVER AND GLASS	IVC 1400 (Sheet 14 of 24)	02	N/A
*COMPLETE ASSEMBLY WITH COVER AND GLASS	IVC 1400 (Sheet 15 of 24)	02	N/A
*UPPER BRACKET WITH INSERTS	IVC 1400 (Sheet 16 of 24)	02	N/A
*UPPER BRACKET WITH INSERTS	IVC 1400 (Sheet 16 of 24)	02	N/A
*CAMERA BRACKET	IVC 1400 (Sheet 18 of 24)	02	N/A
*L-BRACKET WITH INSERTS	IVC 1400 ( Sheet 19 of 24)	02	N/A
*L-BRACKET WITH INSERTS	IVC 1400 ( Sheet 20 of 24)	02	N/A
*BASE WITH L-BRACKET AND PCB SUBASSEMBLY	IVC 1400 ( Sheet 21 of 24)	02	N/A
*BASE WITH UPPER BRACKET SUBASSEMBLY	IVC 1400 ( Sheet 22 of 24)	02	N/A
*BASE WITH CAMERA SUBASSEMBLY	IVC 1400 ( Sheet 23 of 24)	02	N/A
*COMPLETE ASSEMBLY WITH COVER AND GLASS	IVC 1400 ( Sheet 24 of 24)	02	N/A

*Note: An \* is included before the title of documents that are new or revised.*

Copies of the above listed documents are kept at Intertek Italia S.p.A. archive.

## 15. SPECIAL CONDITIONS FOR SAFE USE:

Entries to the enclosure must be suitably certified Ex db IIC Gb, Ex tb IIIC Db, Tamb -20°C to +60°C entry device.

## 16. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS



## SCHEDULE

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The relevant essential Health and Safety Requirements have been identified and assessed in Intertek Report Nr. 103124961DAL-002, dated 28 Sep 2018. The listed change to the Equipment has not altered compliance.

### 17. ROUTINE (FACTORY) TESTS

None.

### 18. DETAIL OF CERTIFICATE CHANGES R.0 (G104694897)

R.0 (09-June-2021)

- Initial release by Intertek Italia S.p.A. NB 2575 based on the assessment performed on June 2021 and on the certificate legal ownership transferred from Intertek Testing & Certification Ltd. (NB 0359); the same issued original certificate number is used.
- Updated model from "AMZ-HD41-03" to "AMZ-HD41-3".
- Added certified enclosure XIHNSDGCX. Corrected the previous mistake, enclosure model number changed from "XIHLX" to "XIHLGCX".
- Update of the technical documentation.
- EN 60079-0 standard updated, from 2013 version to 2018 version.