



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx ETL 15.0051X Issue No: 2 Certificate history:  
Status: **Current** Issue No. 2 (2018-10-09)  
Date of Issue: **2018-10-09** Page 1 of 4 Issue No. 1 (2017-02-13)  
Applicant: **Industrial Video & Control Co.** Issue No. 0 (2016-02-01)  
330 Nevada Street  
Newton, MA 02460  
USA  
**United States of America**

Equipment: **Flameproof, Dust-ignition-proof Camera**  
*Optional accessory:*

Type of Protection: **Flameproof 'db' , Dust ignition protection 'tb'**

Marking:  
Ex db IIC T6 Gb  
Ex tb IIIC T80°C Db IP66  
Tamb -20°C to +60°C  
IECEX ETL 15.0051X

*Approved for issue on behalf of the IECEx  
Certification Body:*

Kevin J. Wolf

*Position:*

Certification Officer

*Signature:  
(for printed version)*

*Date:*

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Intertek**  
3933 US Route 11 South  
Cortland NY 13045-2995  
United States of America



# IECEX Certificate of Conformity

Certificate No: IECEX ETL 15.0051X Issue No: 2  
Date of Issue: 2018-10-09 Page 2 of 4  
Manufacturer: **Industrial Video & Control Co.**  
330 Nevada Street  
Newton, MA 02460  
USA  
**United States of America**

Additional Manufacturing location(s):

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 apparatus 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 : 2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0  
**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 electrical 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:

[US/ETL/ExTR16.0003/00](#) [US/ETL/ExTR16.0003/01](#) [US/ETL/ExTR16.0003/02](#)

### Quality Assessment Report:

[GB/FME/QAR14.0006/05](#)



# IECEx Certificate of Conformity

Certificate No: IECEx ETL 15.0051X

Issue No: 2

Date of Issue: 2018-10-09

Page 3 of 4

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The AMZ-\*\*\*\*-\* and AMZ-\*\*\*\*-\*\* are a series of flameproof, dust-ignition-proof cameras. They employ an IECEx certified flameproof enclosure built from aluminium or stainless steel. The flameproof enclosure possess a threaded cover and a glass window that acts as the lens. The enclosure also has two threaded lateral openings for wiring purposes, this 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-HD41-03: 12VDC, 1.2A or 24VDC, 0.6A, or 48VDC (PoE), 0.3A

### SPECIFIC CONDITIONS OF USE: YES as shown below:

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



# IECEX Certificate of Conformity

Certificate No: IECEX ETL 15.0051X

Issue No: 2

Date of Issue: **2018-10-09**

Page 4 of 4

**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

- Evaluation of standard update for IEC 60079-31 1<sup>st</sup> to 2<sup>nd</sup> edition and 60079-1 6<sup>th</sup> to 7<sup>th</sup> edition.
- Addition of model AMZ-HD41-03.
- Update of Technical Documentation to reflect the latest revisions.

**Annex:**

[103124961DAL-001 IECEX Annex CoC.pdf](#)



# Annex to IECEx Certificate of Conformity

<b>Certificate No:</b>	<b>IECEX ETL 15.0051X</b>	<b>Issue No. 2</b>
<b>Annex No. 1</b>		

<b>Technical Documents</b>			
Title:	Drawing No.:	Rev. 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-HD41-03 Installation Guide	AMZ-HD41-03	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 11)	02	07/25/18
*CROSS SECTION	IVC1400 (Sheet 2 of 11)	02	07/25/18
*CROSS SECTION	IVC1400 (Sheet 3 of 11)	02	07/25/18
*CROSS SECTION	IVC1400 (Sheet 4 of 11)	02	07/25/18
*SS REF SHEET	IVC1400 (Sheet 5 of 11)	02	07/25/18
*LENS ASSEMBLY	IVC1400 (Sheet 6 of 11)	02	07/25/18
*INTERNAL BRACKET	IVC1400 (Sheet 7 of 11)	02	07/25/18
*ARECONT LENS	IVC1400 (Sheet 8 of 11)	02	07/25/18
*IKEGAMI LENS	IVC1400 (Sheet 9 of 11)	02	07/25/18
*DYNOCOLOR	IVC1400 (Sheet 10 of 11)	02	07/25/18
*JKE ASSEMBLY	IVC1400 (Sheet 11 of 11)	02	07/25/18

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

<b>IECEX Certified Components on Which Conformance Depends</b>					
Item	Description	Manufacturer	Type	Certificate No. / Standards	Coding / Ratings
1	Enclosure	Adalet	XIHLX	<b>IECEX UL 08.0005U</b> IEC 60079-0: 2011 IEC 60079-1: 2014 IEC 60079-31: 2013	Ex db IIC Gb Ex tb IIIC Db IP66 -34°C to +100°C