

CERTIFICATE OF CONFORMITY



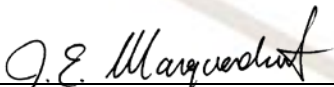
- HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
- Certificate No:** FM18US0262X
- Equipment:** F1xx Series Network Ethernet Cameras
(Type Reference and Name)
- Name of Listing Company:** Spectrum Camera Solutions LLC
- Address of Listing Company:** 8935 Almeda Genoa Road
Houston, TX 77075
USA
- The examination and test results are recorded in confidential report number:

PR449583 dated 24th October 2018
- FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Class 3600:2018, FM Class 3615:2018, ANSI/ISA 60079-0:2013, ANSI/UL 60079-1:2015, ANSI/ISA 60079-31:2015, ANSI/NEMA 250:2014, ANSI/IEC 60529:2004
- If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
- This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
- Equipment Ratings:**

Explosionproof for Class I, Division 1, Groups B, C and D; Dust-Ignitionproof for Class II/III, Division 1, Groups E, F and G; Flameproof for Class I, Zone 1, AEx db IIB+H2 Gb; Protection by Enclosure for Zone 21, AEx tb IIIC Db hazardous (classified) locations, indoors and outdoors (Type 4X, IP66) with an ambient temperature rating of -50°C to +60°C (-40°C to +60°C for Divisions).

Certificate issued by:



J.E. Marquedant
VP, Manager, Electrical Systems

24 October 2018

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC, 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com

CERTIFICATE OF CONFORMITY



- HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**
- Certificate No:** FM18CA0126X
- Equipment:** F1xx Series Network Ethernet Cameras
(Type Reference and Name)
- Name of Listing Company:** Spectrum Camera Solutions LLC
- Address of Listing Company:** 8935 Almeda Genoa Road
Houston, TX 77075
USA
- The examination and test results are recorded in confidential report number:

PR449583 dated 24th October 2018
- FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

C22.2 No. 0.4-17:2017, CSA-C22.2 No. 0.5:2016, CSA-C22.2 No. 25:R2014, CSA-C22.2 No. 30:R2012, CSA-C22.2 No. 94.2:2015, CAN/CSA-C22.2 No. 60529:2016, CAN/CSA-C22.2 No. 60079-0:2015, CAN/CSA-C22.2 No. 60079-1:2016, CAN/CSA-C22.2 No. 60079-31:2015
- If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
- This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
- Equipment Ratings:**

Explosionproof for Class I, Division 1, Groups B, C and D; Dust-Ignitionproof for Class II/III, Division 1, Groups E, F and G; Flameproof for Class I, Zone 1, Ex db IIB+H2 Gb; Protection by Enclosure for Zone 21, Ex tb IIIC Db hazardous locations, indoors and outdoors (Type 4X, IP66) with an ambient temperature rating of -50°C to +60°C.

Certificate issued by:

J.E. Marquedant
VP, Manager, Electrical Systems

24 October 2018

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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

Certificate No.: IECEx FMG 18.0029X

Issue No: 0

Certificate history:

Issue No. 0 (2018-10-24)

Status: **Current**

Page 1 of 3

Date of Issue: **2018-10-24**

Applicant: **Spectrum Camera Solutions LLC**
8935 Alameda Genoa Road
Houston, TX 77075
United States of America

Equipment: **F1xx Series Network Ethernet Camera**

Optional accessory:

Type of Protection: **Flameproof, d; Protection by enclosure, t**

Marking:

Ex db IIB+H2 T5 Gb Ta = -50°C to +60°C, IP66

Ex tb IIIC T85°C Db Ta = -50°C to +60°C, IP66

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

J. E. Marequedant

Position:

VP, Manager - Electrical Systems

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](#).

Certificate issued by:

FM Approvals LLC
1151 Boston-Providence Turnpike
Norwood, MA 02062
United States of America



Member of the FM Global Group

1 EU-TYPE EXAMINATION CERTIFICATE



2 **Equipment or Protective systems intended for use in Potentially Explosive Atmospheres - Directive 2014/34/EU**

3 **EU-Type Examination Certificate No:** FM18ATEX0073X

4 **Equipment or protective system:** F1xx Series Network Ethernet Cameras
(Type Reference and Name)

5 **Name of Applicant:** Spectrum Camera Solutions LLC

6 **Address of Applicant:** 8935 Almeda Genoa Road
Houston, TX 77075
United States of America

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

8 FM Approvals Ltd, notified body number 1725 in accordance with Article 17 of Directive 2014/34/EU of 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number:

PR449583 dated 24th October 2018

9 Compliance with the Essential Health and Safety Requirements, with the exception of those identified in item 15 of the schedule to this certificate, has been assessed by compliance with the following documents:

EN 60079-0:2012 + A11:2013, EN 60079-1:2014, EN 60079-31:2014,
EN 60529:1991 + A1:2000 + A2:2013

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.

11 This EU-Type Examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include:



II 2 G Ex db IIB+H₂ T5 Gb Ta = -50°C to +60°C

II 2 D Ex tb IIIC T85°C Db Ta = -50°C to +60°C



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Digitally signed by Nicholas Ludlam
DN: cn=Nicholas Ludlam, o=FM Approvals, ou, email=nicholas.ludlam@fmapprovals.com, c=GB
Date: 2018.11.12 15:56:56 Z

Nicholas Ludlam
Deputy Certification Manager, FM Approvals Ltd.

Issue date: 12th November 2018

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

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