



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX KTL 24.0019X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2024-03-07

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

Equipment: **Network Bullet Camera / IR Illuminator, FEZB-(H/M/A)****-** / FEZB-IR-****

Optional accessory:

Type of Protection: **Flameproof enclosure "d" and Dust ignition protection by enclosure "t"**

Marking: **[FEZB-(H/M/A)****-**, Network Bullet Camera]**
<PoE+>
Ex db IIC T6/T5 Gb and Ex tb IIIC T80 °C / T85 °C Db
<DC 12 V / PoC>
Ex db IIC T6 Gb and Ex tb IIIC T80 °C Db

[FEZB-IR-, IR Illuminator]**
Ex db IIC T6 Gb and Ex tb IIIC T80 °C Db

Approved for issue on behalf of the IECEx
Certification Body:

Park, Jong-koo

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

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 www.iecex.com or use of this QR Code.



Certificate issued by:

Korea Testing Laboratory
87, Digital-ro, 26-gil, Guro-gu
Seoul
Korea, Republic of





IECEX Certificate of Conformity

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Page 2 of 3

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

Manufacturing
locations:

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) 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 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:

[KR/KTL/ExTR24.0021/00](#)

Quality Assessment Report:

[GB/FME/QAR17.0010/05](#)



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Certificate No.: **IECEX KTL 24.0019X**

Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The network bullet cameras, FEZB-(H/M/A)*****-** series, have been designed for use with cameras operating in industrial environments. The FEZB-(H/M/A)*****-** series contains an integrated fully functional network CCTV camera. The IR Illuminators, FEZB-IR-** series, have been designed to emit light in the infrared spectrum for security cameras. The equipment provides one 1/2 NPT (or M20xP1.5) cable entry for end-user connection to either cable connectors or a conduit system dependent on the application. It may be provided with an optional sun shield. The equipment provides a degree of protection IP67 in accordance with IEC 60529 after pre-conditioning by IEC 60079-0.

Ambient temperature

FEZB-(H/M/A)*****-**

PoE+(IEEE 802.3at) Class 4: -40 °C to +55 °C(T6/T80 °C) or -40 °C to +60 °C(T5/T85 °C)

DC 12 V(24 Wmax) or PoC(15 W): -40 °C to +60 °C(T6/T80 °C)

FEZB-IR-**

-40 °C to +60 °C

Electrical data

FEZB-(H/M/A)*****-** : PoE+(IEEE 802.3at) Class 4(57 Vdc) / DC 12 V, 2 A, 24 Wmax / PoC(15 W, 48 Vdc)

FEZB-IR-** : DC 12 V, 0.5 A, 6 Wmax

Model configuration

FEZB-(a)(b)(cc)(d)(e)-(ww) / FEZB-IR-(ww)

(a, IP) : H(Network), M(Mega), A(Analog)

(b, Sensor size) : S(1/2"), None(1/3")

(cc, Zoom Ratio) : 2(2 motor), 10(10x), 18(18x), 20(20x), 30(30x), 36(36x), 40(40x), 55(55x)

(d, Chipset) : 8(M8), 9(M9), 5(i550), 73(S3Lx), 75(S5Lx), 76(S6Lx)

(e, Resolution) : F(5MP), U(4k/8MP), Q(4MP), None(2MP)

(ww, Extension) : XX(No. of IR LEDs), TC(Thermal Camera)

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Flameproof joints are not intended to be repaired.
- Equipment shall be protected from high risk (more than 2 J impact) of mechanical impact hazard.
- Cable and cable glands suitable for at least 85 °C shall be used.