



1. **EU-TYPE EXAMINATION CERTIFICATE**
2. Equipment and Protective systems intended for use in potentially explosive atmospheres :  
**Directive 2014/34/EU**
3. EU-Type Examination Certificate Number : KRH-24-ATEX1008X
4. Equipment or protective system : Network Bullet Camera type FEZB-(H/M/A)\*\*\*\*\*-\*\*, IR Illuminator type FEZB-IR-\*\*
5. Manufacturer : Spectrum Camera Solutions LLC
6. Address : 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 the documents therein referred to.
8. The KRH certifies that this 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 systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive 2014/34/EU of 26 February 2014.  
The examination and test results are recorded in the confidential report listed in section 16.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**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 or protective system 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 equipment or protective system in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacturing process and supply of this equipment or protective systems. These are not covered by this certificate.
12. The marking of the equipment or protective system shall include the following:

 **II 2 GD Ex db IIC T6/T5 Gb and Ex tb IIIC T80 °C / T85 °C Db (for Network Bullet Camera)**  
**II 2 GD Ex db IIC T6 Gb and Ex tb IIIC T80 °C Db (for IR Illuminator)**

This certificate is issued at Athens on 2024-04-26 , under the authority of the Hellenic Republic of Greece by KR Hellas Ltd., Notified Body No. 2198.



  
**Nikolaos Katiforis**  
**Quality Manager of KR Hellas Ltd.**





13.

**SCHEDULE**

14. **EU-Type Examination Certificate KRH 24 ATEX 1008X**

15. **Description of Equipment or Protective System**

**The Network Bullet Camera type FEZB-(H/M/A)\*\*\*\*\*-\*\*, IR Illuminator type FEZB-IR-\*\* series are designed for;**

1) 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.

2) Rating, Code and Ambient temperature

[Network Bullet Camera type FEZB-(H/M/A)\*\*\*\*\*-\*\*]

Rating	Code	Ambient temperature
PoE+(IEEE 802.3 at), Class 4 (DC 57 V)	Ex db IIC T6 Gb	-40 °C to +55 °C
	Ex tb IIIC T80 °C Gb	
	Ex db IIC T5 Gb	-40 °C to +60 °C
	Ex tb IIIC T85 °C Gb	
DC 12 V, 2 A, Max. 24 W or PoC (15 W, DC 48 V)	Ex db IIC T6 Gb	-40 °C to +60 °C
	Ex tb IIIC T80 °C Gb	

[IR Illuminator type FEZB-IR-\*\*]

Rating	Code	Ambient temperature
DC 12 V, 0.5 A, Max. 6 W	Ex db IIC T6 Gb	-40 °C to +60 °C
	Ex tb IIIC T80 °C Gb	

3) Model Description

**FEZB – (a)(b)(cc)(d)(e)-(ww), FEZB-IR-(ww)**

Item	Explanation	Description
(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)





4) Marking

**Warning Markings:**

[FEZB-(H/M/A)\*\*\*\*\*]\*\*]

WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT

[FEZB-IR-\*\*]

WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT

WARNING - DO NOT OPEN WHEN ENERGIED

The equipment shall also bear the usual markings required by the manufacturing standards applying to such equipment.

16. **Descriptive Document**

Report No.: KRH-ATEX-0015-2024

17. **Specific Conditions of Use**

- 1) Flameproof joints are not intended to be repaired.
- 2) Equipment shall be protected from high risk (more than 2 J impact) of mechanical impact hazard.
- 3) Cable and cable glands suitable for at least 85 °C shall be used.
- 4) Ambient temperature range: -40 °C to +60 °C

18. **Essential Health and Safety Requirements**

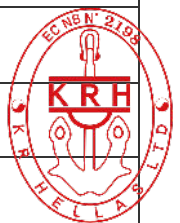
Refer to covered by standards listed at 9.

19. **Routine Verifications and Tests**

Routine overpressure test (from clause 16.1 of EN 60079-1:2014): 2 840 kPa for 10 seconds

20. **Drawings and Documents**

Number	Issue	Date	Description
2289A0610-01	0	2022-03-02	SET ASSY
2289A0610-02	0	2022-03-02	SET ASSY
2289A0610	0	2022-03-02	SET ASSY
322028980	0	2022-01-28	CASE FRONT
377028960	0	2022-03-02	WINDOW





342028960	0	2022-01-28	HOLDER WINDOW
322028970-01	0	2022-01-28	CASE BODY
322028970-02	0	2022-01-28	CASE BODY
322028970	0	2022-03-02	SUNSHIELD
FEZB-355028922	0	2024-02-15	PLATE NAME*
FEZB-355028910	0	2024-02-15	PLATE NAME*
561428994	0	2022-03-02	CABLE MAIN
561428996	0	2022-03-02	CABLE MAIN
561428980	0	2022-03-02	CABLE MAIN
561428982	0	2022-03-02	CABLE MAIN
561428992	0	2022-03-02	CABLE MAIN
2289A0110	0	2022-03-02	CASE BODY ASSY
2289A0001	0	2022-03-02	CASE BODY ASSY
2289A0120	0	2022-02-03	CASE FRONT ASSY
890201001	0	2022-02-04	O RING
FEZB-XXXXXXX-XX	0	2022-06-09	Instruction Manual*

*Note: An \* is included before the title of documents that are applied by OEM for Trade agent certification.*

**21 Production Place**

Wonwoo Engineering Co., Ltd  
 81, Magokjunggang 6-ro, Gangseo-gu, Seoul, 07803, Korea

**22. Details of Certificate Changes**

Issue No.	Issue Date	Description
0	2024-04-26	Initial Issue

*End of Certificate*

