



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 BKI 20.0004** Page 1 of 5 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-10-26

Applicant: **Vision remote AS**
Wessels veg 95
Stjørdal 7502
Norway

Equipment: **Industrial radio remote control system**

Optional accessory:

Type of Protection: **General requirements; Equipment protection by intrinsic safety "i"; Equipment protection by increased safety "e"; Equipment protection by encapsulation "m"**

Marking: VX-100 RU: Ex ib IIC T4 Gb
VX-100 Battery: Ex ib IIC T4 Gb
VX-100 VLAP: Ex ec ic mc IIC T4 Gc
VX-100 Barrier: [Ex ib Gb] mc IIC
VX-100 EXJB: Ex ec [ib Gb] mc IIC T4 Gc

Approved for issue on behalf of the IECEx
Certification Body:

Nagy Botond

Position:

Head of the Certification Body

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



Certificate issued by:

ExVA Testing and Certification Ltd.
H 1037 Budapest
Mikoviny S u.2-4
Hungary





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Manufacturer: **Vision remote AS**
Wessels veg 95
Stjørdal 7502
Norway

Additional
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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-18:2014 Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"
Edition:4.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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:

[HU/BKI/ExTR20.0003/00](#)

Quality Assessment Report:

[HU/BKI/QAR20.0001/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Vision Remote VX-100 is an industrial radio remote system designed for safe control of machines in potential explosive atmospheres. The product combines a traditional radio remote control and a computer-based system with a multi-touch screen. The system consists of the following units:

VX-100 RU	Remote Unit
VX-100 BU	Base Unit
VX-100 VLAP	Vision Link Access Point
VX-100 Barrier	Barrier
VX-100 EXJB	Junction Box + Barrier
VX-100 Battery	Battery
Assessories:	
VX-100 VLINK	Communication cable
VX-100 Harness	Leather Harness
VX-100 Carrying Hook	Leather covered Carrying hook
VX-100 Sleeve	Protective Sleeve
VX-100 Dock	Passive Docking Station
VX-100 Battery Charger	Battery Charger Dual

Each unit is designed with appropriate Ex protection according to the Zone which the unit is intended to be used/installed.

SPECIFIC CONDITIONS OF USE: NO



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Equipment (continued):

VX-100 RU

Battery

VR-EXPR0007 – VX-100 Battery

< 10 mW @419 MHz

< 9 mW @429 MHz

< 10 mW @434 MHz

< 10 mW @447 MHz

< 10 mW @458 MHz

< 5 mW @869 MHz

Radio power C-Link

Radio power G-Link

15 + 2 dBm @2.4GHz

15 + 2 dBm @5.8GHz

IP rating

IP 66

VX-100 Battery

Battery voltage:

Nominal

7.5 VDC

Maximum

8.7 VDC

IP rating

IP 66

VX-100 BU (not in zone)

Power supply

100 – 240 VAC; 50/60 Hz; 120 W

IP rating

IP 2X

VX-100 VLAP

Power supply:

37 – 57 VDC

< 10 mW @419 MHz

< 9 mW @429 MHz

< 10 mW @434 MHz

< 10 mW @447 MHz

< 10 mW @458 MHz

< 5 mW @869 MHz

Radio power C-Link

Radio power G-Link

18 dBm @ 2,4 GHz

23 dBm @5,8 GHz

IP rating

IP66

VX-100 EXJB

Power supply:

37 – 57 VDC

IP rating

IP66

VX-100 Barrier

Power supply:

37 – 57 VDC

IP rating

IP 2X



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Additional information:

T_{amb} = -25°C...+55°C

Instructions

For remote unit use only replaceable battery pack Vision Remote VR-EXPR0007.