



[1] EU-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protective System intended for use in potentially explosive atmospheres - Directive 2014/34/EU – Annex III – MODULE B: EU-TYPE EXAMINATION

[3] EU-type Examination Certificate number: **IMQ 20 ATEX 031 X**

[4] PRODUCT: **Multi-feature wearable audio-video device for remote assistance**

TYPE/SERIES: **KIBER 3 ATEX KIT**

[5] MANUFACTURER: **VRMedia S.r.l.**

[6] ADDRESS: **Via Umberto Forti, 9 – I-56121 Montacchiello Pisa**

[7] This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documents therein referred to.

[8] IMQ, notified body N° 0051, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product 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.

The examination and test results are recorded in Report No.: **AT21-0071819-01**

[9] Compliance with Essential Health and Safety Requirements, except in respect of those listed at item 18 of the annex, has been assured by compliance with:

EN IEC 60079-0:2018 ; EN 60079-11:2012 ; EN 60079-28:2015

[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 product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



II 2 G

Ex ib IIC T3 Gb (head unit)

II 2 G

Ex ib op is IIC T3 Gb (handcam)

THIS CERTIFICATE CANCELS AND REPLACES THE PREVIOUS ONE. IT INCLUDES 1 ANNEX.

FIRST ISSUE 2020/07/29

CURRENT ISSUE 2022/07/06

PREVIOUS ISSUE 2021/02/05

EXPIRING DATE 2032/07/06

B.U. PRODUCT CONFORMITY ASSESSMENT
CERTIFICATION SECTOR - MANAGER

This Certificate may only be reproduced in its entirety and without any change. It is subject to the general rules for assessing conformity to community directives for which IMQ operates as notified body n°. 0051 and to the special requirements for Directive 2014/34/EU (ATEX) "Equipment and protective systems for potentially explosive atmospheres" annex III - MODULE B - EU Type-examination.



PRD N° 005 B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC Signatory of EA, IAF and ILAC Mutual Recognition Agreements

[13] **Annex**

[14] EU-type Examination Certificate number: **IMQ 20 ATEX 031 X**

[15] **Description of product:**

KIBER 3 ATEX KIT is an intrinsically safe multi-feature wearable audio-video device for remote assistance, which is a portable system based on augmented reality, intended for technical personnel needing remote audio/video support in hazardous areas

[15.1] **Models/Series Identification:**

KIBER 3 ATEX KIT system consists of the following components:

- K3 Core ATEX System **KH3.0-CoS-A** made of binocular visor and HD camera, and headset **KH3.0-HS-A**. These products are included in head unit **KH3.0-HE-A**
- **KH3.0-BHe-A** battery pack, for KH3.0-HE-A head unit;
- **KH3.0-HC-A** handheld camera, with thermal imaging capacity;
- **KH3.0-BC** battery charger, for KH3.0-BHe-A battery pack and KH3.0-HC-A handheld camera

[15.2] **Ratings: -**

[15.3] **Safety Ratings:**

Um = 5 VDC

[15.4] **Ambient temperature and temperature classes:**

Ambient temperature: -20 °C ÷ +40 °C.
Temperature class: T3

[15.5] **Degree of protection (IP code):** IP65 (EN 60529)

[15.6] **Warnings:**

WARNING – Supply KH3.0-HE-A head unit only with KH3.0BHe-A battery pack
WARNING – DO NOT REPLACE BATTERY WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
WARNING – Do NOT charge in hazardous location

[16] **Report:** AT21-0071819-01

[16.1] **Routine (factory) tests:**

The manufacturer shall carry out the routine test prescribed at clause 27 of the EN 60079-0

[13] **Annex**

[14] EU-type Examination Certificate number: **IMQ 20 ATEX 031 X**

[16.2] Conformity with the documentation:

The manufacturer shall carry out the verifications or tests necessary to ensure that the product complies with the documentation.

Marking the equipment in accordance with Clause 29 of EN 60079-0, the manufacturer attests on his own responsibility that:

- the equipment has been constructed in accordance with the applicable requirements of the relevant standards in safety matters,
- the routine verifications and routine tests in 28.1 of EN 60079-0 have been successfully completed with positive results

[16.3] Installation conditions:

Above referred equipment is foreseen to be installed in locations where there are environmental conditions as clearly specified at clause 1, par. 2 of EN 60079-0.

Installation and use in atmospheric and environmental conditions that are out of above mentioned intervals requires special considerations and additional measures by the side of installer or user. These should be specified to the manufacturer by the user.

It is not required by applicable standard listed in [9] that the certification body confirm suitability for the adverse conditions. Installation of equipment has to proceed according to EN 60079-14

[17] Special Condition of use (X):

- Mechanical integrity of all single units must be checked and assured before every use of the equipment in order to prevent ingress of dust and humidity according to the ambient conditions and to give sufficient protection against damage of the device
- The components of the device shall be securely fixed to each other and all additional securing means (e.g. clips) must be always checked to prevent the device from falling out
- Prior to use in hazardous areas, the device shall be checked for visible damages
- Only activities where no damage of the device can be expected are permitted in the hazardous area. If, however, the device gets damaged, the employee with the damaged device shall immediately leave the hazardous area or the damaged device shall be removed from the hazardous area
- Employee/Personnel shall be advised to leave the hazardous area and to let check the device in case of unusual heating
- Employee / Personnel using this equipment shall be competent (qualified) for the type of work to be undertaken
- Continuing education or training shall be undertaken by personnel on a regular basis working in explosive atmosphere
- The Employer of personnel using this equipment, shall prepare and implement a "safe work procedure" for the workplace, which include procedure and use of protective equipment to ensure the protection of workers

[13] Annex

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[18] Essential Health and safety Requirements:

This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in [9].

This Certificate **does not** cover hazards coming from environmental conditions different from those clearly and precisely indicated and covered in clause 1 of EN 60079-0.

ESHR 1.2.7 According Annex VIII of the Directive

ESHR 1.4 Not verified.

ESHR 1.5 Not verified.

ESHR 3 Not applied.

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at [9], the following are considered relevant to this product, and conformity is demonstrated in the report:
None

[19] **Descriptive documents:** AT21-0071819-01, rev. 0, dated 2022-05-25

[20] Certification Validity Conditions:

The use of this Certificate is subject to the Certification Scheme and to the Regulation applicable to holders of IMQ Certificates.

The validity of this certificate is subject to the condition that the manufacturer complies with the results of the document review and of the pertinent requirement if any included, recorded in the relevant copy of documentation as per 19.

One copy of the mentioned documentation is kept in IMQ file

[21] Variations

2021-02: Modification for improvement of K3_F_Core assembly crow-bar protection circuit, and additional minor modifications not affecting intrinsic safety

- 2022-07:
- Alternative encapsulation material and components affecting intrinsic safety to KH3.0-BHe-A battery pack and KH3.0-HC-A handheld camera inner battery pack
 - Modification of safety relevant component on KH3.0-HC-A handheld camera main board and additional minor modifications not affecting intrinsic safety
 - Modification of front unit main board BOM on KH3.0-HE-A head unit, not affecting intrinsic safety
 - Replacement of KH3.0-HS-A headset model MT7H79P3E-50 with model MT72H540P3E-50