Report No.	**48.400.24.0767.01-00/01**
Dated	**2024-08-02**

TECHNICAL Report

Applicant:	**Hangzhou Ezviz Software Co., Ltd.** Room 302, Unit B, Building 2,399 Danfeng Road, Binjiang District, Hangzhou, Zhejiang
Contact person:	Xiong Jie
Sample Description:	**The submitted Products were received and described by client as:** **Product: Smart Home Battery Camera** **Model: CS-EB3 (2K,4GA)**
Purpose of Evaluation:	Assessment in accordance with the requirement of WEEE Directive 2012/19/EU Article 4,11& Annex VII.
Conclusion:	**WEEE Compliance: 2012/19/EU** **PASS**
Remarks:	1. This technical report was based on the submitted product by the requirement of client. 2. Sample(s) was tested as received.

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1. Order

1.1 Date of Purchase Order
2024-07-01

1.2 Customer's Reference
Nil

1.3 Receipt Date of Test Sample
2024-06-21

1.4 Date of Testing
2024-06-24 – 2024-06-25

1.5 Location of Testing
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2. Description of the evaluated product

2.1 Picture of product

Product	Model	Photograph
Smart Home Battery Camera	**CS-EB3 (2K,4GA)**	

2.2 Product weight

Product weight before disassembly: 285.5
Product weight after disassembly: 285.1
Lost rate: 0.1%

2.3 Disassembly tool:

Disassembly tool	Pictures	Disassembly tool	Pictures
Screwdriver		Side cutter pliers	

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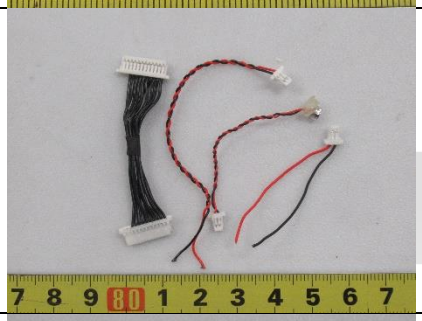
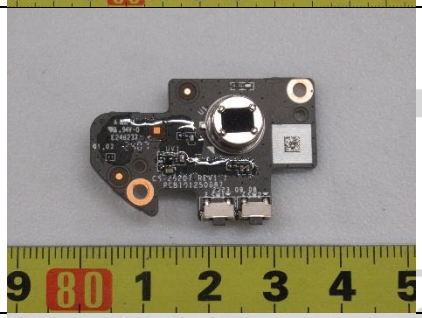
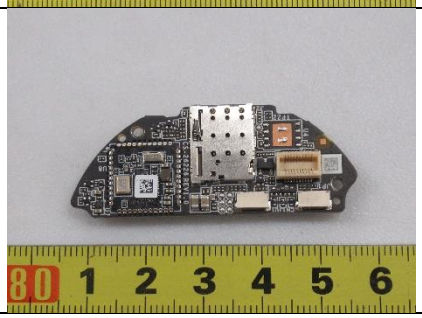
3. Conformity Evaluation

Part A- Sample disassembly

Item	Component	Description	Material	Weight(Gram)
01		Shell	Plastic	95.9
02		Shell	Plastic	12.4
03		Bracket	Plastic	11.5
04		Sheath/ cushion/ gasket/ cover/ FPC/ sponge	Plastic	3.6
05		Lens	Plastic and metal	5.9

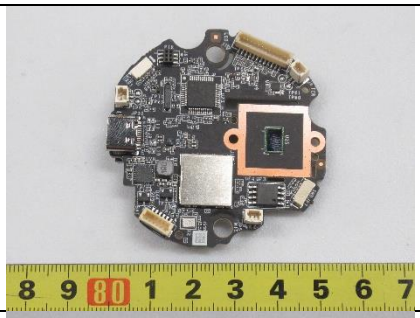
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Item	Component	Description	Material	Weight(Gram)
06		Loudspeaker	Plastic and metal	4.8
07		Inner cable	Plastic and metal	1.5
08		PCB assembly	Miscellaneous	2.9
09		PCB assembly	Miscellaneous	2.7
10		PCB assembly	Miscellaneous	5.7

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Item	Component	Description	Material	Weight(Gram)
11		PCB assembly	Miscellaneous	14.8
12		Bracket/ Screw	Metal	26.9
13		Screw	Metal	2.4
14		Battery pack	Plastic and metal	94.1

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Part B- Selective Treatment for Materials and Components

According to Article 8(2) and the Annex VII of the WEEE directive, the following components and materials should be selective treated.

Item	Photo No.	Size or Quantity	Weight (Gram)
Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimeters	09	11.0 cm^2	2.7
Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimeters	10	10.0 cm^2	5.7
Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimeters	11	24.6 cm^2	14.8
Battery pack	14	1	94.1

Part C- Product Design (2012/19/EU Article 4)

Requirement	Observation	Conformance
Design and production of electrical and electronic equipment which take into account and facilitate dismantling and recovery of the components and materials. The design features or manufacturing processes do not prevent the product from being reused.	Different parts can be separated easily.	Y

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Part D- Theoretical sum of reuse, recycling and recovery weight percentages of materials (2012/19/EU Article 11 & ANNEX V)

Based on the information declared by the applicant, the materials involved are listed below with relevant evaluation results.

Component description	Photo No.	Weight (Gram)	Percent Weight (%)	Reuse/ Recycling Rate (%)	Energy Recycling Rate (%)	Recovery Rate (%)
Shell	01	95.9	33.64	28.59	2.35	30.95
Shell	02	12.4	4.35	3.70	0.22	3.91
Bracket	03	11.5	4.03	3.43	0.28	3.71
Sheath/ cushion/ gasket/ cover/ FPC/ sponge	04	3.6	1.26	0.96	0.04	1.00
Lens	05	5.9	2.07	1.61	0.06	1.68
Loudspeaker	06	4.8	1.68	1.31	0.00	1.31
Inner cable	07	1.5	0.53	0.37	0.02	0.38
PCB assembly	08	2.9	1.02	0.71	0.00	0.71
PCB assembly	09	2.7	0.95	0.66	0.00	0.66
PCB assembly	10	5.7	2.00	1.40	0.00	1.40
PCB assembly	11	14.8	5.19	3.63	0.00	3.63
Bracket/ Screw	12	26.9	9.44	8.96	0.00	8.96
Screw	13	2.4	0.84	0.80	0.00	0.80
Battery	14	94.1	33.01	24.09	0.00	24.09
Total		285.1	100.00	80.24	2.97	83.21

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Part E- Theoretical recovery rate

The reuse and recycling weight and recovery weight % of the samples:

Product	Reuse + Recycling weight %	Recovery weight %	Conformance#
Requirement*	**55**	**75**	**/**
Smart Home Battery Camera	80.24	83.21	Y

 # Conformance means reuse and recycling weight percentage is greater than 55 and recoverable weight percentage is greater than 75.
*** The requirement is quoted form Annex IV of Directive 2012/19/EU for product classified as Category 5.**

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Part F- Definition of Reuse, Recycling and Recovery

'Reuse' means any operation by which WEEE or components thereof are used for the same purpose for which they were conceived, including the continued use of the equipment or components thereof which are returned to collection points, distributors, recyclers or manufacturers

'Recycling' means the reprocessing in a production process of the waste materials for the original purpose or for other purposes, but excluding energy recovery which means the use of combustible waste as a means of generating energy through direct incineration with or without other waste but with recovery of the heat

'Recovery' means any of the applicable operations provided for in Annex IIB to Directive 75/442/EEC as follow:

R 1 Use principally as a fuel or other means to generate energy
R 2 Solvent reclamation/regeneration
R 3 Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)
R 4 Recycling/reclamation of metals and metal compounds
R 5 Recycling/reclamation of other inorganic materials
R 6 Regeneration of acids or bases
R 7 Recovery of components used for pollution abatement
R 8 Recovery of components from catalysts
R 9 Oil re-refining or other reuses of oil
R 10 Land treatment resulting in benefit to agriculture or ecological improvement
R 11 Use of wastes obtained from any of the operations numbered R 1 to R 10
R 12 Exchange of wastes for submission to any of the operations numbered R 1 to R 11
R 13 Storage of wastes pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where it is produced)

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Part G- Recycling and Recovery Rate Calculation

Reuse Recycling& Recovery Rate applied herewith are calculated as following：

$$\text{Reuse \& Recycling Rate} = \frac{\text{Reuse \& Recycling Weight}}{\text{Product Total Weight}} \text{ (\%)}$$

$$\text{Recovery Rate} = \frac{\text{Recovery Weight}}{\text{Product Total Weight}} \text{ (\%)}$$

Part H- ANNEX VII of WEEE Directive (2012/19/EU)

Selective treatment for materials and components of waste electrical and electronic equipment:
As a minimum the following substances, preparations and components have to be removed from any separately collected WEEE:

- Polychlorinated biphenyls (PCB) containing capacitors in accordance with Council Directive 96/59/EC of 16 September 1996 on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCB/PCT).
- Mercury containing components, such as switches or backlighting lamps.
- Batteries.
- Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimeters.
- Toner cartridges, liquid and pasty, as well as colour toner.
- Plastic containing brominated flame retardants.
- Asbestos waste and components which contain asbestos.
- Cathode ray tubes.
- Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC) or hydrofluorocarbons (HFC), hydrocarbons (HC).
- Gas discharge lamps.
- Liquid crystal displays (together with their casing where appropriate) of a surface greater than 100 square centimeters and all those back-lighted with gas discharge lamps.
- External electric cables.
- Components containing refractory ceramic fibres as described in Commission Directive 97/69/EC of 5 December 1997 adapting to technical progress for the 23rd time Council

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Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.

- Components containing radioactive substances with the exception of components that are below the exemption thresholds set in Article 3 of and Annex I to Council Directive 96/29/Euratom of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionizing radiation.
- Electrolyte capacitors containing substances of concern (height > 25 mm, diameter > 25 mm or proportionately similar volume).

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Prepared by: Mr. Zhengqing YANG

Reviewed by: Mr. Feng ZHANG

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APPENDIX I: Product Model

Product: Smart Home Battery Camera	Test model: CS-EB3 (2K,4GA)
	
Additional model: CS-EB3, CS-EB3XXXXXXXXXXXXXX(The 'X' in model name can be 0 to 9, A to Z, blank or any other character)	

Remark:

1. The report covers material testing on specified samples.
2. The tested materials covered by the report were declared by the manufacturer to be used on the additional model.

-END OF REPORT-

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