SESimagotag Electronic Shelf Labels EOptics and ESway

Product Specification

Version 1 as of September 1st, 2026

VusionGroup S.A. – 55, place Nelson Mandela – CS 60106 92024 Nanterre – France
A limited company with share capital of €33,746,764
Tel: + 33 (0)1 34 34 61 61 - Fax: + 33 (0)1 55 69 78 00
www.vusion.com

Content

1. Label Family Introduction 3
1.1. General Key Features 3
1.2. The SESimagotag Electronic Shelf Label EOptics and ESway 3
2. Type label information 5
2.1. Barcode information 6
2.2. Serial Number 6
3. Electrical & RF Characteristics 7
3.1. Power and Current Consumption 7
4. E-Paper Display 8
5. LED 9
5.1. Photobiological safety 9
5.2. Configuration Versions 9
5.3. Flashing patterns / brightness 9
6. Environmental 10
6.1. General 10
6.2. Temperature and Humidity Conditions 10
6.3. Cleaning Instructions 10
7. Storage and warehousing 11
7.1. Pool/Spare labels in the store 11
8. Battery lifetime 12
9. Information Notice about lithium battery risks 13
9.1. Pouch cell CF583083 13
9.1.1. Battery replacement EOptics 1.0 13
9.2. Coin Cell batteries 15
9.2.1. Good practices to avoid these risks - during the replacement. 15
9.2.2. During storage of batteries and unused labels 16
9.2.3. During transportation 17
9.2.4. Recycling of lithium button batteries 18
10. Reliability Test Items 19
11. Certifications 21
11.1. Types and Product Certifications 21
11.2. Applied Standards 21
11.3. Declaration 21
12. Improper Use 24

1. Label Family Introduction

The SESimagotag Electronic Shelf Labels EOptics and ESway product families contain electronic labels designed for fashion retail use cases where product information and pricing need to be displayed directly on fashion items, without requiring external power sources.

Label performance, such as update frequency, beaconing behavior and LED usage, is dependent on the configuration of the access point, store infrastructure and cloud configuration.

SESimagotag Electronic Shelf Labels EOptics and ESway are the fashion-focused member of the ESL family. SESimagotag Electronic Shelf Labels EOptics is designed to be attached to glasses frames via a locking temple clip. SESimagotag Electronic Shelf Labels ESway family is designed to be attached to fashion items via various locking mechanisms. They enable automatic price updates, product information display, anti-theft functionality, BLE beaconing for locationing, inventory management and generic customer interaction via QR code.

1.1. General Key Features

In general, the following key features can be mentioned for SESimagotag Electronic Shelf Labels EOptics and ESway family:

- Bluetooth Low Energy protocol standard
- Radio coverage: up to 30 meters, depending on store environment and infrastructure
- Bi-directional communication
- 37 available communication channels and 3 advertising channels
- Ultra-low power consumption
- Replaceable lithium pouch cell battery
- Full graphical e-Paper display with paper-like readability
- Black, white, red and yellow display colours
- Automatic price update support via VusionCloud / V:Manager
- QR code support for linking the label to a product and enabling generic customer interactions
- Reusable across different glasses frames via a locking temple clip
- Landscape mode operation
- Fast response time depending on wakeup time and configuration
- Asymmetric full end-to-end encryption based on hardware token
- Up to four pages support with preloading and fast page switching
- Red LED for picking and locationing use cases

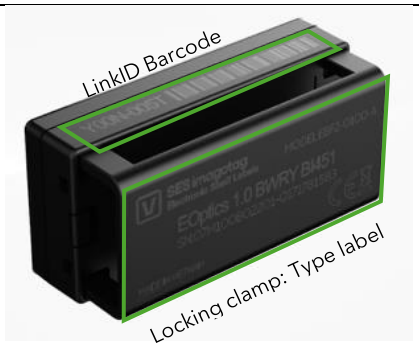
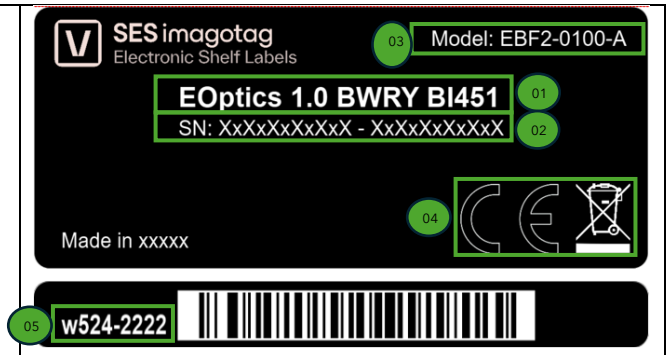
1.2. The SESimagotag Electronic Shelf Labels EOptics and ESway

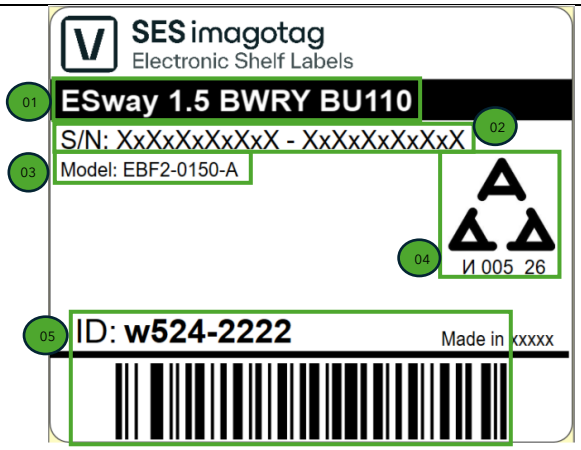
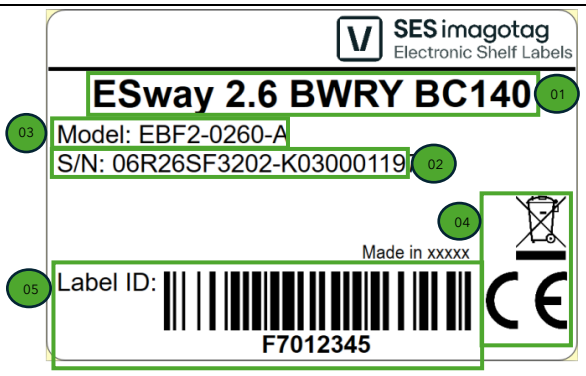
The SESimagotag Electronic Shelf Labels EOptics and ESway family uses Bluetooth Low Energy and can update all display pixels to black, white, red or yellow. It is intended for indoor fashion retail environments and is attached to eyewear through a locking temple clip with anti-tamper functionality implemented with a specialized tool required to unlock and remove the product from the glasses frame.

Caption	Model	Display Resolution	Density (dpi)	Display Colours	Useable Pages	Active Display Area (mm)
EOptics 1.0	EBF2-0100-A	200 x 96	228	b/w/r/y	4	22.20 x 10.66
ESway 1.5	EBF2-0150-A	200 x 200	186	b/w/r/y	4	27.38 x 27.38
ESway 2.6	EBF2-0260-A	296 x 125	125	b/w/r/y	4	60.0 x 31.0

2. Type label information

The type label information of the SESimagotag Electronic Shelf Labels EOptics and ESway family shall be placed on the rear side of the device or on a designated non-customer-facing area of the locking clip assembly.

<table>
<tr>
<td>EOptics 1.0</td>
<td>
</td>
<td>
</td>
</tr>
<tr>
<td>ESway 1.5</td>
<td>

Type label & Barcode</td>
<td>
</td>
</tr>
<tr>
<td>ESway 2.6</td>
<td>
Type label & Barcode</td>
<td>
</td>
</tr>
</table>

The type label engravement or product label contains the following information:

1. Product description including product configuration information (display colour, radio type, locking clip and anti-tamper configuration)
2. Serial number (see Serial Number in 2.2.)
3. Model code (see Barcode information in 2.1.)
4. Information concerning standard and product compliance
5. Link ID shown as barcode and base 32 encoding

2.1. Barcode information

Each label is assigned a Link ID, a unique identifier comparable to a MAC address. This Link ID is presented as a barcode or QR-code-supported workflow and is used for matching the physical label to the digital product record in SESimagotag systems.

The Link ID consists of eight alphanumeric characters (0-9 / A-Z), with the prefix segment indicating the label type and size. The SESimagotag Electronic Shelf Labels EOptics and ESway family Link ID range and model-code prefix are Y00N.

Customers using Vusion cloud-based solutions receive automatic updates when new Link ID classes are introduced.

2.2. Serial Number

Part	Description	Format	Example	Comment	Source
A	Producer	2 alpha	01		Specified by Vusion once for each tab
B	Product family	3 alpha	R22		Specified by Vusion in the product specification document
C	Product version	3 alpha	N01	NFC not included in current configuration	
D	Product revision	3 alpha	001	Incremented on every change of specification	
-	Separator	-	-		Fixed
E	Year	1 alpha	Q	A=2010, B=2011, ...	Calculated during production
F	Week	2 dec	18		
G	Internal	6 dec	000001	Continuous Serial Number (Counter)	

Format: AABBBCCCDDD-EFFGGGGGG

Note: Calendar week date is calculated according to ISO 8601.

3. Electrical & RF Characteristics

3.1. Power and Current Consumption

The SESimagotag Electronic Shelf Labels EOptics and ESway family is powered by a replaceable lithium pouch cell battery or replaceable coin cell batteries.

Caption	Display colors	Battery Type	Operating Voltage	Nominal capacity
EOptics 1.0	b/w/r/y	Pouch cell CF361730	3.0V	300mAh
ESway 1.5	b/w/r/y	1xCR2430	3.0V	300mAh
ESway 2.6	b/w/r/y	1xCR2450	3.0V	550mAh

4. E-Paper Display

To specify E-Paper Display colours and colour tolerances the CIELAB colour space (also known as CIE L*a*b* or Lab colour space) is used at end of line testing.

Colour specification and tolerances for SESimagotag Electronic Shelf Labels (ΔE is defined as CIEDE2000.).

Colour measurement procedure:

- Colour measurement devices (spectrophotometer) must be calibrated.
- Test images to be used:
    - White colour measurements: Full white image
    - Red colour measurements: Full red image
    - Yellow colour measurements: Full yellow image
- Measurements must be performed at room temperature (23°C) and between 30% - 70% humidity.
- Following steps must be executed for colour measurement:
    1) Put the tag in environmental conditions and store for 1h
    2) Send a full white image to display, wait 2 minutes
    3) Send test image to display
    4) Execute colour measurement 10 minutes after display update (T10)

Please note that EPD colours may evolve over time due to external factors such as non-regular display updates, non-regular template changes, humidity, temperature and UV exposure. This is to be considered normal wear and tear within the applicable product specification.

	L* [TYP]	a* [TYP]	b* [TYP]	Colour Deviation Spec.
E5 SE Red	25.8	37.8	26	$\Delta E^* < 10$
E5 SE Yellow	56.5	19.3	66.3	$\Delta E^* < 10$
E5 SE White	66.8	-	-	$\Delta L^* < 10$
E5 SE Black	11.4	-	-	$\Delta L^* < 10$

The measurements for the above-mentioned boundaries are classified based on the measurements by SESimagotag. Here the measurement device is specified as CM-700D with D65 light source and SCE mode. To measure these values the specific test images, need to be displayed on the specific EPD and the measurement must be done directly on the EPD and not with any casing on top of it, as this will show different results due to a different reflection rate. What also needs to be considered is that the measurement needs to only take place after 60s at 0° viewing angle and after the image change and at 23°C following the specific calibration sequence between each image change.

5. LED

5.1. Photobiological safety

All LEDs used in SESimagotag Electronic Shelf Labels shall comply with IEC 62471:2006 - Photobiological safety of lamps and lamp systems, where applicable.

5.2. Configuration Versions

The SESimagotag Electronic Shelf Label EOptics includes a red LED for picking and locationing use cases. The SESimagotag Electronic Shelf Label ESway 2.6 includes a RGB + White LED for locationing use cases. The SESimagotag Electronic Shelf Label ESway 1.5 does not include an LED.

5.3. Flashing patterns / brightness

The actual LED blinking pattern can be configured for SESimagotag Electronic Shelf Labels EOptics and ESway. For SESimagotag Electronic Shelf Labels EOptics and ESway, there is a set of predefined LED blinking patterns:

- Slow: one short flash every 4 seconds
- Medium: one short flash every 2 seconds
- Fast: one short flash every second
- Performance: multiple short flashes every second, subject to final firmware support

Please note that LED flashing results in increased power consumption and can influence battery lifetime depending on blinking pattern, duration and store use case.

6. Environmental

6.1. General

	EOptics & ESway
Operating temperature	0 °C to 40 °C
Operating humidity (non condensing)	40% - 80%

E-Paper displays are moisture and UV sensitive. Exposing the SESimagotag Electronic Shelf Labels EOptics and ESway to direct UV sources should be avoided seeing as those can impact the casing quality as well as image clarity. The absolute operating environments rating describes the boundary conditions for updating the display while the absolute storage environment rating (see *Storage and warehousing* on page) describes the boundary conditions for a display not updating.

6.2. Temperature and Humidity Conditions

- High humidity combined with low temperature is not recommended.
- Operation outside of the stated ranges is not covered and is not recommended.
- Temperatures differing from room temperature may have an impact on battery lifetime and display performance.

6.3. Cleaning Instructions

SESimagotag Electronic Shelf Labels EOptics and ESway family should only be cleaned by store staff using a damp cloth. No liquid or aerosol cleaner shall be applied directly to the product.

Labels should not be cleaned with alcohol, solvents and / or abrasive cleaning products as they can react with the used materials and alter the product appearance and functionality.

Note: Keep the product away from water and prevent intrusion of liquids into the label or locking clip assembly.

7. Storage and warehousing

While displays are rated to perform according to the specifications for the warranty period at the specified operating environment, storage conditions prior to installation must also be considered. Testing showed that the storage conditions close to the operation conditions of the E-Paper displays performed better than if it is stored outside of the storage conditions mentioned in the table below. Like other moisture and UV sensitive components, we recommend that our labels be stored in temperature- and humidity-controlled environments, and whenever possible, under below defined "*Optimal Storage Conditions*", away from sunlight, to optimize their performance.

It is strongly recommended to monitor the following conditions to ensure the best operation, functionality, and battery lifetime:

- Storage temperature and humidity

	EOptics & ESway
Storage temperature	-25 °C to +60 °C
Storage humidity	40% - 80%
Optimal storage temperature	-10 °C to +35 °C
Optimal storage humidity (non-condensing)	45% - 60%

- Do not operate any label infrastructure in a warehouse storing labels or where radio coverage could activate stored labels. The label will permanently try to connect to the access point, leading to reduced usable battery lifetime.
- To reach the optimal performance of the label, Vusion recommends storing labels according to the stated conditions and limiting the storage period to a maximum timeframe of one year, as storage may influence battery lifetime and general product performance.

Please note that these optimal storage conditions grant the best battery lifetime; non-compliance may severely impact battery lifetime and optical display quality.

7.1. Pool/Spare labels in the store

If it is necessary to have a pool of spare labels in a store, the following requirements need to be fulfilled to ensure best operation, functionality and battery lifetime.

All labels must be:

- Registered
- ONLINE (good radio coverage) and UNMATCHED (ready for further matchings)
- Stored in a defined area, with store staff trained on handling and locking/unlocking procedures

8. Battery lifetime

The radio sync quality between labels and access points has to be “PERFECT” or “GOOD”.

To comply with these specifications, a Site Survey according to Vusion guidelines is necessary.

- An average number of display updates per time is applied on the specified battery lifetime.
- Most of the time the operation temperature of the labels must be close or equal to 21° C.
- To reach the best battery performance possible, the requirements regarding *Storage and warehousing* on page 30 also needs to be observed.
- Performing less than specified updates doesn't extend the battery lifetime significantly.
- The battery power status is displayed in SESimagotag Cloud and categorized as follows:
    - **GOOD:** The Battery is okay, and no further actions are necessary.
    - **BAD:** Due to low battery voltage, unexpected behaviour can occur in this status. Therefore, an immediate battery replacement is recommended.
    - **UNKNOWN:** No recent power sensor value available or label is outside its allowed temperature range. In this case try removing and reinstalling the battery as well as placing the ESL in a different environment to make sure that the operation conditions stated above are met.

These conditions are not only applicable to the batteries initially used when the ESL is produced but also applicable to all certified replacement batteries provided by Vusion.

9. Information Notice about lithium battery risks

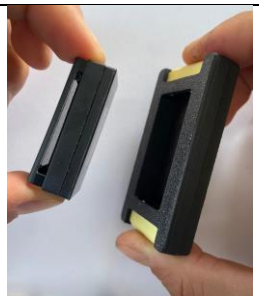
9.1. Pouch cell CF583083

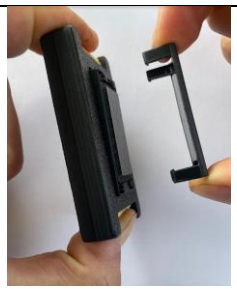
For battery handling information please refer to the "Safe handling of lithium batteries / CF583083" document:

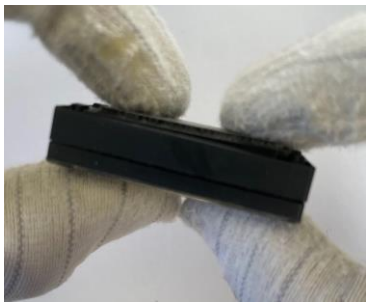
https://www.vusion.com/wp-content/uploads/2026/07/Safe_handling_batteries_CF583083.pdf

9.1.1. Battery replacement EOptics 1.0

Please adhere to the following procedure when replacing batteries

Description	Steps
1. Use unlocking tool to detach the locking clip	1.1.  1.2. 

	1.3. 
2. Open the battery door with a small plastic tool or fingers. Do not use metal tools like screwdrivers as they could damage the battery. (2.1., 2.2.)	2.1.  2.2.  2.3. 
3. Take the new battery (3.1. assembled with the battery door) Insert it into the SESimagotag Electronic Shelf Label EOptics contacts going in first (3.2.) Push the battery with the cover evenly until an audible click is heard (3.3)	3.1. 

	3.2.  3.3. 
4. Attach the locking clip back onto the label (4.1.)	4.1. 

9.2. Coin Cell batteries

The electronic tags are powered by lithium batteries, which can present certain risks if not stored properly.

Lithium batteries are inflammable if improperly stored.



The entire surface of lithium button batteries is conductive, and they can short-circuit and **catch fire quickly**. NEVER store these batteries together without protection.

Note: If a few electronic tags show signs of strain, it is common to replace the batteries in all the tags at once. In this situation, some of the batteries you remove from your tags may not be completely empty, increasing the risk of inflammation and the power of the fire.

9.2.1. Good practices to avoid these risks - during the replacement.

Several solutions can be used to limit the risks:

- Use a specialized company to change lithium button battery. They are used to this and have packaging designed to isolate these batteries.
- If you plan to change the batteries yourself, we recommend that you use the clip removal tool to open the doors of your labels.
- Using any other tool may damage your labels and batteries.

⚠ Please note this does not concern Waterproof ESL's

Here is how to replace lithium batteries



Once the batteries have been replaced, you must isolate the old batteries from each other.

Improper storage of your batteries (e.g., "bulk") significantly increases the risk of ignition of your batteries.
New batteries are delivered in storage racks, we strongly recommend that you keep the original packaging to store used batteries.
Once packaged, we recommend that you contact your collection and recycling organization for the removal and disposal of used batteries.



9.2.2. During storage of batteries and unused labels

Lithium button batteries should NEVER be stored in contact with each other and without sufficient protection.



Use the storage racks (strongly recommended)

We strongly recommend that you use the original packaging of your new batteries.

Thanks to these storage racks, each battery is isolated in a compartment, by clipping it into the slot provided for this purpose.



We recommend that you stack each battery tray and add a divider, respecting the quantity per box you received, then secure them firmly together.

Carefully store the racks in a box so that they do not move during transportation and contact your collection and recycling organization for removal and recycling process, notifying them of the presence of these batteries.



Without a storage rack

When storing unused electronic tags, it is important to pack them properly and **not** to put them in boxes with unprotected batteries.

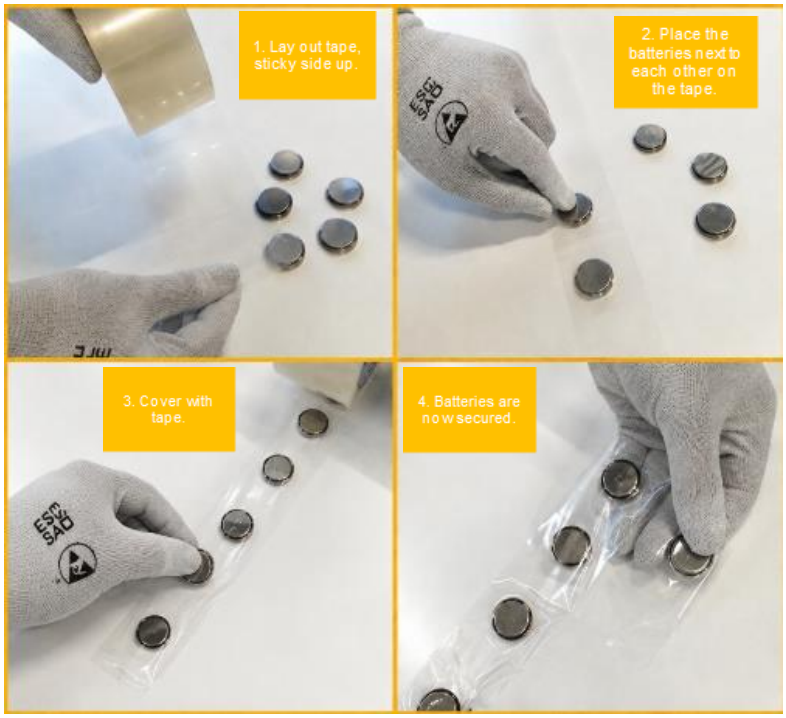


In case of missing, defective, or not correctly closed battery trap, the batteries must be removed from the electronic label and recycled locally by the approved eco-organization that collects used batteries in your store.

It is also strictly forbidden to return batteries alone (outside of the electronic labels).

NEVER put unprotected batteries in a box with other materials such as labels

Here is a simple way to store your batteries safely: Stick them on adhesive tape



9.2.3. During transportation

It is strictly forbidden to return batteries alone outside the electronic labels. Any shipment containing batteries outside of the electronic labels will be rejected by SESimagotag® and may be invoiced for processing costs. In the event of non-compliance with these instructions resulting in damage caused by fire or otherwise, SESimagotag® reserves the right to claim compensation for the damage suffered, including damage suffered by our partners or carriers.

Batteries alone must be collected by your recycling organization. It is imperative that the batteries are secured in the storage racks or by keeping them secured with tape as shown above. We advise you to inform your recycling organization of the presence of these batteries in the packages that will be entrusted to them.

It is your responsibility to take all measures required by law and regulations concerning the transport of dangerous products, particularly in terms of marking the boxes in transit.

9.2.4. Recycling of lithium button batteries

No single battery (outside of ESL) should be returned to SESimagotag®.

To proceed with the collection and recycling of your batteries, you can contact an organization specialized in the collection and destruction of batteries in your country. (e.g.: France: Corepile).

We recommend that you follow the above packaging instructions when handing over your batteries to the collection organization and inform them of the presence of these batteries.

10. Reliability Test Items

Testing of the operation conditions (temperature and humidity)

To evaluate the performance and image quality of the SESimagotag Electronic Shelf Labels range multiple image updates are run at high and low temperature ranges and different humidities. By conducting these tests, we make sure that the given operation conditions indicated in the chapter "Environment" are to the customers satisfaction.

Testing of the storage conditions (temperature and humidity)

To make sure that the SESimagotag Electronic Shelf Labels are not influenced by any condition that falls under the indicated values for humidity and temperature stated in the chapter "*Storage and warehousing*" a series of test cycles are conducted. These then make sure that the conditions do not have an impact on image quality, product lifetime as well as operational quality when the product is finally installed in a store.

Temperature Shock (Storage)

As there can be certain situations where the optimum storage conditions are not met the SESimagotag Electronic Shelf Labels is put through cycles which are out of the given values on temperature and humidity. This ensures shot periods of storage that do not meet the given requirements do not have an influence on the quality of the product in any way.

Label Drop Test

Seeing as a SESimagotag Electronic Shelf Labels might be dropped in a store from different heights our mechanical testing also covers this aspect. The label drop test coves different heights where the SESimagotag Electronic Shelf Labels are dropped onto a steel surface and then checked for any kind of damage. If there is no damage and no impact on updating the image the test is seen as "passed".

Package Drop Test

Like the label drop test the package containing our SESimagotag Electronic Shelf Labels is also tested for its protection against any form of damage to our products. This serves the purpose of ensuring that the product arrives at the customer unharmed.

Package Random Vibration Test

To ensure all products that are delivered to our customers arrive intact and can therefore be used straight away we perform specific vibration tests simulating the different means of transportation. This allows us to make sure, that the applicable vibrations do not cause any damage to the internals electronics as well as the structural integrity of our products overall.

Compression Test

When handling our SESimagotag Electronic Shelf Labels there might be the case, that pressure is applied to either the screen or front cover. To cover the potential applied pressure a dedicated test must be passed, where the display has to sustain an applied force on multiple locations without causing the display to break and hence assuring an intact surface and functionality.

UL-Test for Classification

To make sure that the SESimagotag Electronic Shelf Labels meet any mandatory requirements regarding fire retarding capabilities we conduct all necessary test for the classification according to the UL range. By doing this we can guarantee that our products meet all the given requirements by our customers as well as logistics partners to meet transport regulations

11. Certifications

11.1. Types and Product Certifications

RoHS	Housing, printed circuit board, battery and display shall be in line with applicable RoHS requirements. Final declaration is subject to certification release.

For information about the status of SESimagotag Electronic Shelf Labels certifications, please contact the responsible Vusion representative.

11.2. Applied Standards

Information Technology Equipment

IEC 62368-1:2014

EN 62368-1:2014

UL 62368-1:2014

EMC

EN 301489-1

EN 301489-17

RED

EN 300 328

Human Exposure to Electromagnetic Fields

EN 62479:2010

Federal Communications Commission

FCC: 47 CFR Part 15 (USA)

11.3. Declaration

The company VusionGroup SA declares on its own responsibility that the SESimagotag Electronic Shelf Labels correspond to the standards mentioned above, subject to final certification and product release.

European Union

Hereby, VusionGroup SA declares that the radio equipment:

EOptics 1.0 (EBF2-0100-A)

ESway 1.5 (EBF2-0150-A)
ESway 2.6 (EBF2-0260-A)

is intended to comply with Directive 2014/53/EU, subject to final product certification.

The full text of the EU Declaration of Conformity is available at the following QR code or internet address: https://www.vusion.com/fr/doc_ble/

United States of America

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 5 mm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

CAUTION TO USERS
Changes or modifications not expressly approved by the party responsible for compliance could void the user`s authority to operate the equipment.

FCC rules apply to the following products:
EOptics 1.0 (EBF2-0100-A)
ESway 1.5 (EBF2-0150-A)
ESway 2.6 (EBF2-0260-A)

Canada

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
1) L'appareil ne doit pas produire de brouillage;
2) L'appareil doit accepter tout brouillage radioélectrique subi, même si lebrouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 5 mm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un Environnement non contrôlé. Cet équipement doit être installé et utilize avec un minimum de 5 mm de distance entre la source de rayonnement et votre corps. Ce transmetteur ne doit pas être place au même endroit ou utilise simultanément avec un autre transmetteur ou antenne.

IC standards apply to the following products:
EOptics 1.0 (EBF2-0100-A)
ESway 1.5 (EBF2-0150-A)
ESway 2.6 (EBF2-0260-A)

Taiwan

NCC rules apply to the following products:
EOptics 1.0 (EBF2-0100-A)
ESway 1.5 (EBF2-0150-A)
ESway 2.6 (EBF2-0260-A)

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

---

12. Improper Use

Vusion shall not be responsible for defects resulting:

- from use or storage which is harmful to the proper working of the product (e.g. abnormal use, incorrect maintenance and/or storage) and/or non-compliance with the applicable product environment specifications
- from a use of the product which does not comply with the recommendations and specifications of Vusion
- from use or installation which is not compliant with the applicable functional description, locking-clip instructions, or any other technical specifications provided by Vusion

Please note the following handling instructions, non-compliance is considered improper use:









- Never open or disassemble the electronic device, except for approved battery replacement by trained users according to the final SESimagotag Electronic Shelf Labels procedure.
- Do not use the electronic device if it is defective. If the screen, housing, battery compartment or locking clip is defective, the label shall be replaced.
- Unauthorized changes or modifications to the electronic device and its components without the consent of Vusion are not allowed.
- Do not use the electronic device with spare parts and accessories which are not tested and approved by Vusion.
- **WARNING: Contains lithium pouch or cell batteries**
- NEW AND USED BATTERIES CAN BE HAZARDOUS, KEEP THEM OUT OF REACH OF CHILDREN
- Swallowing or placing batteries inside any part of the body may lead to severe or fatal injuries within 2 hours, due to chemical burns and potential perforation of the oesophagus.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- **CAUTION: The battery used in this device may present a risk of fire or chemical burn hazard if mistreated. Do not recharge, short-circuit, disassemble, heat above 100°C (212°F), incinerate, puncture or bend the battery.**
- Do not use labels above the lifetime/usage information (display updates, LED usage, BLE beaconing, etc.) which was committed by contracts or given per datasheet.
- Do not use labels out of specification / datasheet, e.g., outdoor use, direct UV exposure, wet areas, freezer areas, or other environments not designed for EOptics.
- Please handle the EOptics label carefully.
- Prevent damage by water and intrusion of liquids into the label or locking clip assembly. Direct contact with water shall be prevented.
- Do not drop the label. If an EOptics label is dropped, check whether the label is still working and whether there is visible damage to the housing, display, locking clip or battery compartment.
- Use the approved specialized tool to unlock and remove the EOptics label from the glasses frame. Do not use improvised tools and do not apply pressure directly on the display.
- Avoid direct contact with food or grocery products.
- Do not use harsh detergents containing alcohol or abrasive additives to clean the label.

- Vusion assumes no liability for stolen labels or unauthorized removal from glasses frames.
- Keep the product and its batteries away from children.
- Examine devices and make sure the battery compartment and locking mechanism are correctly closed. Do not use the product if the compartment or locking mechanism is not secure.
- Do not throw the batteries into the garbage. Give them to a recycling company or contact Vusion for handling advice.
- Do not throw the electronic device into the garbage. Give it to a recycling company or contact Vusion for handling advice.
- Preferably transport all EOptics labels in the original packaging. Never transport loosely packed labels.

Material Safety Information: In accordance with REACH Regulation, Article 3(3), electronic labels are regulated as articles; therefore, a Safety Data Sheet is not applicable. As stated in Article 31, the Safety Data Sheet needs be provided with substances or mixtures. Please consider the handling instructions or contact VusionGroup SA for further information.