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Attention: Please read entire guide before product use.
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1. Introduction

Welcome to the Panasonic VIEW Tag product line

With current manufacturing processes constantly pushing the capabilities of operation speed and efficiency forward, you want to be sure to get up-to-date information into the hands of the people who need it the most.

Printed instructions leave your bottom line at risk. Not only is it costly to edit, print, and distribute information when a change is necessary, but the amount of time from change order initiation to implementation can be wasteful to production time and/or materials. With Panasonic VIEW Tags, information and instruction can be changed in-process, as soon as it is received. This will allow you to serve your customers better, as well as reduce the potential costs associated with running your operation using out-of-date information.

The Panasonic VIEW Tag product line is intended to be used as a replacement for written instruction. Each Tag features an ePaper display, providing an easily readable, customizable format to get the information you want, exactly where, and when you want it. In addition to conveying information to your team, the VIEW Tag family of products offers a multitude of information sharing options and settings, as well as different interactive and automated features which can be custom tailored to suit the specific needs of your operation.

In this guide you will find an overview of the Panasonic VIEW Tag family of products, as well as a starter guide on usage and installation.
2. Model Overview

2.1. Model Delineation

2.1.1. VIEW 3

VIEW 3

Model Number(s)
VT03-G3 & VT03-G3C

VIEW 3 Bracket

Model Number(s)
VT03-G3BKT

Features
1. ePaper Screen
2. LED Light
3. Button
4. GPIO Port

Figure 1

Figure 2

Figure 3

Figure 4

Tolerance Table

<table>
<thead>
<tr>
<th>Range</th>
<th>Tolerance (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 or Less</td>
<td>+/- 0.3</td>
</tr>
<tr>
<td>Over 6 to 30 incl.</td>
<td>+/- 0.4</td>
</tr>
<tr>
<td>Over 30 to 120 incl.</td>
<td>+/- 0.8</td>
</tr>
<tr>
<td>Over 120 to 315 incl.</td>
<td>+/- 1.2</td>
</tr>
<tr>
<td>Over 315 to 630 incl.</td>
<td>+/- 1.8</td>
</tr>
<tr>
<td>Over 630 to 1000 incl.</td>
<td>+/- 2.5</td>
</tr>
</tbody>
</table>

1 All tolerances adhere to table unless otherwise specified

The information contained herein is proprietary to Panasonic and is to be used solely for the purpose for which it is supplied. It shall not be disclosed in whole or in part, to any other party, without the express permission in writing by Panasonic.
2.1.2. VIEW 4

**VIEW 4**

**Model Number(s)**

VT04-G3 & VT04-G3C

**Features**

1. ePaper Screen
2. LED Light
3. Button
4. GPIO Port

**VIEW 4 Bracket**

**Model Number(s)**

VT04-G3BKT

---

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2.1.3. VIEW 7

**VIEW 7**

**Model Numbers(s)**

VT07-G3

**VIEW 7 Bracket**

**Model Numbers(s)**

VT07-G3BKT

---

**Features**

1. ePaper Screen
2. LED Light
3. Buttons
4. GPIO Port

---

![Figure 9](image)

![Figure 10](image)

![Figure 11](image)

![Figure 12](image)

---

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### 2.2. VIEW Tag Specifications

#### 2.2.1. Physical

<table>
<thead>
<tr>
<th>Physical Measurements</th>
<th>VIEW 3 CM²</th>
<th>VIEW 4 CM²</th>
<th>VIEW 7</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model Number(s)</strong></td>
<td>VT03-G3</td>
<td>VT04-G3</td>
<td>VT07-G3</td>
</tr>
<tr>
<td><strong>Height (mm)</strong></td>
<td>48.5</td>
<td>90.5</td>
<td>209.7</td>
</tr>
<tr>
<td><strong>Width (mm)</strong></td>
<td>137.8</td>
<td>124.6</td>
<td>130.9</td>
</tr>
<tr>
<td><strong>Depth (mm)</strong></td>
<td>13.5</td>
<td>13.3</td>
<td>16.8</td>
</tr>
<tr>
<td><strong>Mass (grams)</strong></td>
<td>90.0</td>
<td>137.0</td>
<td>375.0</td>
</tr>
<tr>
<td><strong>Reference</strong></td>
<td>Figure 3</td>
<td>Figure 7</td>
<td>Figure 11</td>
</tr>
</tbody>
</table>

#### Materials

- **Outer Window**: Polycarbonate
- **Case**: ABS
- **Buttons**: Silicone
- **ABS/PC Blend**

#### Display

- **Active Area (mm)**: 66.9 × 29.06, 84.8 × 63.6, 163.2 × 97.92
- **Resolution (pixels)**: 296 × 128, 400 × 300, 640 × 384
- **Pixel Pitch (mm)**: 0.227 × 0.226, 0.212 × 0.212, 0.255 × 0.255

#### Battery

- **Composition**: Single Cell Primary LiMnO₂ (model: CP603956)
- **Voltage**: 3 Volts
- **Quantity**: 1
- **Weight**: 25 g (typical)
- **Est. Life Expectancy**: 5 years

---

VIEW 3 CM and VIEW 4 CM can operate in Gen2 compatible mode.

Typical battery life under normal operating conditions; results will vary based on usage.

The information contained herein is proprietary to Panasonic and is to be used solely for the purpose for which it is supplied. It shall not be disclosed in whole or in part, to any other party, without the express permission in writing by Panasonic.
2.2.2. Communication

<table>
<thead>
<tr>
<th>System Radio</th>
<th>Frequency (MHz)</th>
<th>433.056 to 434.784</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channels</td>
<td>1 ; 5 ; 9 ; 13</td>
<td></td>
</tr>
<tr>
<td>Effective Radiated Power (dBm)</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Modulation</td>
<td>2-GFSK</td>
<td></td>
</tr>
<tr>
<td>Passive RFID</td>
<td>Standard</td>
<td>EPC Gen 2</td>
</tr>
<tr>
<td>Device</td>
<td>Impinj MonzaX-8K</td>
<td></td>
</tr>
</tbody>
</table>

2.2.3. Environment and Testing

<table>
<thead>
<tr>
<th>Operating Environment</th>
<th>Temperature (°C)</th>
<th>0 to 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Humidity (%RH)</td>
<td>≤ 65 (@40°C)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Storage Environment</th>
<th>Temperature (°C)</th>
<th>-20 to 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Humidity (%RH)</td>
<td>10 to 95 (@25°C non-condensing)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Testing</th>
<th>Vibration</th>
<th>MIL-STD-810G method 514.6 Cat. 24</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ingress Protection</td>
<td>IP 50</td>
</tr>
<tr>
<td></td>
<td>Shock</td>
<td>Survives 1-meter drop to concrete</td>
</tr>
<tr>
<td></td>
<td>Button Actuation</td>
<td>5 million</td>
</tr>
</tbody>
</table>

*All testing carried out within recommended environmental conditions*
### 2.2.4. Bracket

<table>
<thead>
<tr>
<th>Physical Specifications</th>
<th>VIEW 3 Bracket</th>
<th>VIEW 4 Bracket</th>
<th>VIEW 7 Bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model number</td>
<td>VT03-G3BKT</td>
<td>VT04-G3BKT</td>
<td>VT07-G3BKT</td>
</tr>
<tr>
<td>Height (mm)</td>
<td>52.8</td>
<td>94.7</td>
<td>214.3</td>
</tr>
<tr>
<td>Width (mm)</td>
<td>170.0</td>
<td>157.2</td>
<td>135.5</td>
</tr>
<tr>
<td>Depth (mm)</td>
<td>15.9</td>
<td>15.9</td>
<td>18.0</td>
</tr>
<tr>
<td>Mass (grams)</td>
<td>10.6</td>
<td>15.0</td>
<td>92.0</td>
</tr>
<tr>
<td>Material</td>
<td>ABS</td>
<td>ABS/PC Blend</td>
<td></td>
</tr>
<tr>
<td>Reference Diagram</td>
<td>Figure 4</td>
<td>Figure 8</td>
<td>Figure 12</td>
</tr>
</tbody>
</table>
3. Using Panasonic VIEW Tags

3.1. User/VIEW Tag Interaction

3.1.1. Screen

The VIEW Tag product line features an electrophoretic ePaper display. This display is designed specifically for displaying information, in a two-tone format, that is easily readable and reduces strain in various lighting conditions.

3.1.2. LED

Each VIEW Tag has a single, green LED located next to the screen. The actuation of this LED can be programmed and specified by the system to operate in several different modes, including:

- Blink when a button is pressed
- Blink when radio is actively transmitting
- Blink when passive RFID channel is active
- Blink 10 times
- Blink until Tag user presses button

3.1.3. Button(s)

The VIEW 3, VIEW 4, and VIEW 7 feature a single, round button for the user to interact with the tag, locally and system via designated communication channels. The following functions are supported:

- Announce - An “active” transmission from a VIEW Tag, including information about the tag, as well as setting tag to enter Receive Mode (information payload contents & local tag action configured by administrator)
  - Press (x1): Sends out “single button press” announce signal
  - Press (x2 consecutively): Sends out “double button press” announce signal
  - Long Press (>2 seconds): Sends out “extended button press” announce signal
- Press (x3 consecutively)
  - Tag will display the UID and EPC numbers in an alpha-numeric and barcode formats
  - Repeating this procedure will bring the user back to the tag’s previously displayed screen
- Long Press (>7 seconds)
  - Tag will generate a diagnostic page which will display various tag configuration settings
- Long Press (>20 seconds)
  - Tag’s embedded processor will perform a soft reset

The VIEW 7 offers two additional buttons, increasing the ways in which a user can interact with the VIEW Tag. The functionality of these buttons can be set using the Logiscend software at your network workstation. (See Figure 13 below)
3.1.4. GPIO Port

The VIEW Tag product line features a proprietary GPIO port allowing the user to attach various optional expansion modules. This feature allows the tag increased functionality that can be tailored to fit the needs of your operation. Only Panasonic approved devices and cables should be connected to the Tag GPIO Port.

<table>
<thead>
<tr>
<th>Connections</th>
<th>Input (x1)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Output (x1)</td>
</tr>
<tr>
<td></td>
<td>Data Line (x1)</td>
</tr>
<tr>
<td></td>
<td>Shared Ground</td>
</tr>
<tr>
<td>Output</td>
<td>24V @ 0.1A (internally current limited)</td>
</tr>
<tr>
<td>Input</td>
<td>24V max (use only with normally open switch to save battery power)</td>
</tr>
<tr>
<td>Data</td>
<td>3.3V logic signal only</td>
</tr>
<tr>
<td>Pinout Reference</td>
<td>(NOT 24V TOLERANT)</td>
</tr>
</tbody>
</table>

Pinout Table below

![Figure 14](image-url)

**GPIO Pinout**

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GPIO OUT</td>
<td>OUT</td>
</tr>
<tr>
<td>2</td>
<td>GPIO IN</td>
<td>IN</td>
</tr>
<tr>
<td>3</td>
<td>GROUND</td>
<td>GND</td>
</tr>
<tr>
<td>4</td>
<td>DATA</td>
<td>IN/OUT</td>
</tr>
</tbody>
</table>

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3.2. Bracket Mounting

3.2.1. Mounting Position

The features of the VIEW Tag product line are designed with human interaction in mind. To maximize ease of use, and minimize fatigue and/or strain, the following mounting instructions are recommended for standard use: (shown in Figure 15)

- Mount display no higher than 2 meters. This will allow users to easily read.
- Mount display no further than 1 meter from user, so the user does not have to bend or reach and has comfortable, unobstructed access to VIEW Tag features.
- VIEW Tags may be mounted vertically in either orientation or facing upward. They should not be mounted facing downward.

![Figure 15](image)

These orientations are acceptable. This orientation is NOT acceptable.

(depending on factors like user’s physical abilities, facility layout, and physical obstructions, some accommodations may need to be made to utilize all features. These circumstances are to be handled at client’s discretion)

3.2.2. Mounting Options

To mount your bracket, there are two options each with its own hardware necessary for implementation:

- Screws
  - The bracket features pre-drilled holes to aid in fastening your bracket to the mounting surface.
  - Screws are recommended when affixing bracket to a flat, rigid surface.
  - The holes are sized to accommodate either of the following industry standard screw sizes:
    - 8-32 UNC Socket Head Cap Screw (Torque Spec: 10-12 in-lb)
    - M4 x 0.7 Socket Head Cap Screw (Torque Spec: 1.13-1.36 N·m)

- Zip-Ties
  - The bracket features slots on each side of the bracket.
  - Zip-Ties are recommended for mounting brackets to uneven or non-flat surfaces.

When mounting the VIEW Tag, please observe the following:

- Avoid installing where there is excessive shock or vibration.
- Check the fixation regularly.
- Do not drop the unit as it may cause malfunction.
- Do not use the system outdoors.
- Be sure to use the product within the specified ambient temperature and humidity range as defined in the previous section.
Contact Us

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                         Suite 2100
                         Rochester, NY 14614
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Technical Inquiries: IIoT.support@us.panasonic.com
logiscend.peweue@e.panasonic.com

Economic operators’ information in EU

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7-1-1, Morofuku, Daito-shi, Osaka 574-0044, Japan

Importer
Panasonic Industry Europe GmbH
Caroline-Herschel-Straße 100, 85521 Ottobrunn, Germany

Contact for CE
Panasonic Marketing Europe GmbH
Panasonic Testing Center
Winsbergring 15, 22525 Hamburg, Germany
Safety & Legal Information

Health and Safety Warnings

<table>
<thead>
<tr>
<th>CAUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>These products contain lithium metal batteries. Do not charge, short circuit, incinerate or mutilate the tag, otherwise the battery may vent or rupture and release hazardous materials.</td>
</tr>
<tr>
<td>Do not store above 122°F (50°C)</td>
</tr>
<tr>
<td>For optimum performance and safety, please operate within specified environmental conditions listed above</td>
</tr>
<tr>
<td>Product contains perchlorate material. Special handling may apply. See: <a href="http://www.dtsc.ca.gov/hazardouswaste/perchlorate">www.dtsc.ca.gov/hazardouswaste/perchlorate</a></td>
</tr>
</tbody>
</table>

Safety Considerations

Panasonic Industry Co., Ltd. is constantly striving to improve the quality and reliability of our products. However, all electrical components and devices have a statistical probability of failure. The durability of the products can vary with different use cases and environments. Therefore, to ensure safety, products should be periodically inspected for wear or degradation. Continued usage in a state of degradation can result in product failure resulting in personal injury or damage to property.

Acceptance Inspection

Upon receipt of the products which you have purchased from us, please perform a timely inspection of their condition and function. If you have any concerns, please contact your sales representative as soon as possible.

Product Disclaimer

These products are designed and manufactured for industrial indoor environment use. It is the user’s responsibility to make certain that all applicable standards, laws, and regulations are adhered to in their deployment.

Do not use the products for any application which may cause them to breakdown or malfunction. Use of products in this fashion may result in system failure which could lead to damage of property or personnel.

These products should not be incorporated into the following types of systems as their conformity, performance and quality are not guaranteed under such usage:
- disaster-prevention equipment / security equipment
- control equipment for electric power generation
- nuclear control system
- aircraft equipment, aerospace equipment, and submarine repeater
- military devices
- medical devices (except for general controls)
General Disclaimer

The products and specifications listed in this document are subject to change, including requirements, place of manufacture and product discontinuance. Consequently, when ordering products, Panasonic Industry Co., Ltd. asks you to contact one of our customer service representatives to confirm that the details listed in this document are commensurate with the most up-to-date information.

Warranty Details

Period

Unless otherwise stipulated by both parties, the warranty period of our Products is one year after the purchase by you or after their delivery to the location specified by you.

Scope

In the event that Panasonic Industry Co., Ltd. confirms any failures or defects of the Products by reasons solely attributable to Panasonic Industry Co., Ltd. during the warranty period, Panasonic Industry Co., Ltd. shall supply the replacements of the Products, parts or replace and/or repair the defective portion free of charge at the location where the Products were purchased or delivered to your premises as soon as possible.

However, the following failures and defects are not covered by the warranty and we are not responsible for such failures and defects.

- When the failure or defect was caused by a specification, standard, handling method, etc. which was specified by you.
- When the failure or defect was caused after purchase or delivery to your premises by an alteration in construction, performance, specification, etc. which did not involve us.
- When the failure or defect was caused by a phenomenon that could not be predicted by the technology at purchasing or contracted time.
- When the use of our Products deviated from the scope of the conditions and environment set forth in the instruction manual and specifications.
- When, after our Products were incorporated into your products or equipment for use, damage resulted which could have been avoided if your products or equipment had been equipped with the functions, construction, etc. the provision of which is accepted practice in the industry.
- When the failure or defect was caused by a natural disaster or other force majeure.
- When the equipment is damaged due to corrosion caused by corrosive gases etc. in the surroundings

The above terms and conditions shall not cover any induced damages by the failure or defects of the Products, and not cover your production items which are produced or fabricated by using the Products. In any case, our responsibility for compensation is limited to the amount paid for the Products.

Service or Repair

The cost of delivered Products does not include the cost of dispatching an engineer. In case any such service is needed, contact our sales representative.

Terms & Conditions

- Before using this product, and before every starting operation, please confirm the correct functioning and performance of this product.
- Contents of this document could be changed without notice.
- This document must not be partially or totally copied or revised.
- All efforts have been made to ensure the accuracy of all information in this document. If there are any questions, mistakes, or comments in this document, please notify us.
- Please note that we assume no liability for any results arising out of operations regardless of the above clauses.

A lithium metal battery is installed in this product. When discarding, please follow the below notes:

- The battery must be removed by a qualified person or a professional disposal company. The disposal of the battery must be conducted by a professional disposing company.
- Please refer to the upcoming “Battery Removal” section for battery separation instructions.

General notes and Information on Collection and Disposal of Used Batteries in accordance with EU Battery Directive (2006/66/EC)

- Used batteries should not be mixed with general household waste.
- For proper treatment, recovery, and recycling of used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directive (2006/66/EC).
- By disposing of used batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.
- For more information about collection and recycling of used batteries, please contact your local municipality, waste disposal services, or the point of sale where you purchased the batteries.
- Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

Information on the batteries that are installed in this product

The following separate collection symbol (crossed-out wheeled bin) is applied to the batteries that are installed in this product in accordance with the EU Battery Directive (2006/66/EC).

In Case of Disposal in Other Region Outside the European Union

The battery symbol is only valid in the European Union. If you wish to discard used batteries in other region, please comply with its regional regulation. For the correct method of disposal, please contact and ask your local municipality, waste disposal services, or the point of sale where you purchased the batteries.

Information Pertaining to EU Battery Directive (2006/66/EC)

- EU Battery Directive (2006/66/EC) obliges proper treatment, recovery, and recycling of batteries that are use inside the European Union.
- The separate collection symbol is indicated on batteries, packaging of batteries, or instruction manuals in accordance with the EU Battery Directive (2006/66/EC).
- A chemical symbol [Cd (Cadmium), Hg (Mercury), Pb (Lead)] might be indicated on the bottom of the separate collection symbol. In this case, it complies with the requirements set by the Directive (2006/66/EC) for the chemical involved.
Regulatory Certifications

This product meets the requirements mandated by the following regulations and standards. Note that no claim is made that our products conform to regulations and standards of countries and regions not mentioned in this section. When exporting product by itself or integrated into a machine or device, confirm the regulations and standards of the exporting country or region.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>VIEW 3</th>
<th>VIEW 4</th>
<th>VIEW 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>VT03-G3</td>
<td>VT03-G3C</td>
<td>VT04-G3</td>
<td>VT04-G3C</td>
</tr>
<tr>
<td>VT04-G3C</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EN Standard**
- EN 300 220-2 V3.2.1
- EN 302 208 V3.1.1
- ETSI EN 301 489-1 V2.2.2
- ETSI EN 301 489-3
- EN 55024:2010
- EN 61000-4-2:2009

**Commission Regulation**
- N/A

**FCC**
- FCC Part 15 subpart C
- FCC Part 15.231
- FCC Part 15 subpart B

**IC**
- RSS-210
- ICES-003

**Safety**
- IEC/EN 62368-1

**FCC Interface Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

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.

**FCC Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
Industry Canada Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie 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, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Disposal of VIEW Tags and Batteries

For European Union and countries with recycling systems

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries must not be mixed with general household waste. For proper treatment, recovery and recycling of old products and batteries, please take them to applicable collection points in accordance with your national legislation. By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment. For more information about collection and recycling, please contact your local municipality. Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

Note for the battery symbol (bottom symbol)
This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

Consideration for Battery Recycling

These products contain lithium metal batteries. When discarding, the battery must be removed by qualified personnel or a professional disposal company. Please refer to the following sections for instructions on removing the battery.
Battery Removal

Batteries should only be removed by qualified personnel wearing protective goggles and gloves. When removing the battery, care should be taken to avoid puncturing or otherwise damaging the battery body.

VIEW 3 and VIEW 4

**Structural OverVIEW**

The upper and lower cases are welded at the dotted line.

The battery is glued to the back of the board with double-sided tape.

**Step 1 Cut the case open at the weld**

Fix the main body and scrape off all sides of the weld. This is easily accomplished with a rotary grinder/cutter.

**Step 2 Remove the circuit board**

FOR VIEW 4 ONLY: The circuit board is held in place with heat-staked posts at 7 locations. Scrape or snip these off to release the board.
Step 3 Disconnect the battery terminals

Cut the battery terminals where shown with diagonal pliers.

Step 4 Remove the battery from the board

The battery is adhered to the substrate with double-sided tape. Peel the battery from the board with a wedge-shaped tool.

Step 5 Dispose of the battery properly

Used batteries should be taken to applicable collection points or given to a professional disposal company. They should never be mixed with general household waste.

CAUTION:
• HANDLE BATTERY WITH CARE - DO NOT PUNCTURE OR DAMAGE
• DO NOT ALLOW BATTERY TERMINALS TO BE CONNECTED TOGETHER WITH ANY METALLIC OBJECT AS THIS WILL CAUSE BATTERY SHORT CIRCUIT
VIEW 7

Step 1 Remove the outer window

Outer Window is adhered to plastic case with adhesive.
Pry up at edges of window using a flat blade.

Step 2 Remove the screws

Remove the 6 screws as shown using a T8 Torx screwdriver.
Step 3 Remove the case top

The case is held in place using snap features in the plastic part. Pry up between case bottom and top using flat blade screwdriver.

Step 4 Remove Circuit Board Assembly

Circuit board is not held in place with any features/adhesives and will come out easily. The Button and Light Pipe parts will come loose from circuit board.

Step 5 Disconnect the battery terminals

Cut the battery terminals where shown with diagonal pliers.
Step 6 Remove the battery from the board

The battery is adhered to the substrate with double-sided tape. Peel the battery from the board with a wedge-shaped tool.

![Image of battery removal](image)

**CAUTION:**
- HANDLE BATTERY WITH CARE - DO NOT PUNCTURE OR DAMAGE
- DO NOT ALLOW BATTERY TERMINALS TO BE CONNECTED TOGETHER WITH ANY METALLIC OBJECT AS THIS WILL CAUSE BATTERY SHORT CIRCUIT

Step 7 Dispose of the battery properly

Used batteries should be taken to applicable collection points or given to a professional disposal company. They should never be mixed with general household waste.
Repair and Update

Firmware Updates

For best performance, the Tags should use the latest firmware available. To obtain the latest version of the firmware, and for assistance in upgrading your device, please contact Panasonic Technical Support:

lIoT.support@us.panasonic.com
logiscend.peweu@eu.panasonic.com

Repairs

Contact Technical Support for information regarding repairing your VIEW Tags or obtaining spare parts.

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<thead>
<tr>
<th>Item</th>
<th>Part No</th>
<th>Description</th>
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<tr>
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<td>MP-000007</td>
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<td>BATTERY - HCB - CP603956 - 3.2Ah</td>
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