Features

- A high capacity battery which is compact and lightweight. Direct fitting to a camera via V-Mount.
- Five-step LED power indicator (100% - 80% - 60% - 40% - 20%).

Safety instructions

- Only for professional use! Keep batteries out of reach of children and personnel that has not been instructed in the use of high capacity Lithium-ion batteries!
- Use only with recommended charger.
- Keep the battery dry and do not immerse in water.
- Never open the case of the battery.
- Do not expose to temperature over 60°C.
- Do not expose the battery to fire! May explode if thrown into fire!
- Maximum Load 16.0A.
- Do not put the battery on a device when the red charging LED flashes.
- Handle with care! Do not throw! Do not drop!
Charging

- Never leave batteries unattended while charging
- Wait 30 Minutes after discharge before you put the battery on a charger.
- The bebob V150micro battery can be charged with an external bebob charger (or equivalent) with Lithium-ion (Li-ion) charging ability.
- Approximate charge time may vary depending on charger and temperature.
- bebob V150micro can be charged in ambient temperature for optimum performance at 10°C - 30°C.
- bebob V150micro batteries can be recharged in any charge condition.

Discharging

- Maximum load is 16.0A. When using the battery with video or lighting equipment, power consumption of the equipment must be 16.0A or below. For the protection of the battery, a load of 16.0A or over may activate the internal protection circuit and stop supply of power. In this case the status led will turn red.
- The battery can be used in ambient temperature of - 20°C - + 55°C.

Camera Data Communication

- Blue leds: Arri/Sony Data Protocol
- Red leds: Red Data Protocol
- To switch between both status, press the Check button for 5s

Status led

- Status led lighting Green: Full Capacity over 70% of New
- Status led lighting Yellow: Full Capacity between 50% and 70% of New
- Status led lighting Red: Full Capacity under 50% of New

Flash Light

- To switch On/Off press the Check Button Twice
# Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>V150micro</td>
</tr>
<tr>
<td>Mount</td>
<td>V-Mount</td>
</tr>
<tr>
<td>Capacity</td>
<td>10.2Ah; 147Wh</td>
</tr>
<tr>
<td>Voltage</td>
<td>14.4V DC</td>
</tr>
<tr>
<td>Maximum Output Voltage</td>
<td>16.8 V DC</td>
</tr>
<tr>
<td>End Voltage</td>
<td>12.0 V</td>
</tr>
<tr>
<td>Cells</td>
<td>Lithium-Ion Trimix made in Japan</td>
</tr>
<tr>
<td>Max. Discharge Current</td>
<td>16.0A</td>
</tr>
<tr>
<td>Twist D-Tap</td>
<td>14.4V unreg. Max. 5A</td>
</tr>
<tr>
<td>USB Port</td>
<td>5V, 1.0A</td>
</tr>
<tr>
<td>Fuel Gauge</td>
<td>5-Step LED</td>
</tr>
<tr>
<td>Weight</td>
<td>0.77 Kg</td>
</tr>
<tr>
<td>Dimensions (WxHxD)</td>
<td>75x101x65mm</td>
</tr>
<tr>
<td>Chargers</td>
<td>bebob, idx, sony, pag</td>
</tr>
<tr>
<td>Charging time (bebob VS2/VS4)</td>
<td>3 Hours</td>
</tr>
<tr>
<td>Operating Temp. Range</td>
<td>+ 10°C ~ + 30°C recommended</td>
</tr>
<tr>
<td>Charge</td>
<td>- 20°C ~ + 55°C</td>
</tr>
<tr>
<td>Discharge</td>
<td>- 20°C ~ + 35°C (&lt;85% RH)</td>
</tr>
<tr>
<td>Storage</td>
<td>- 20°C ~ + 35°C (&lt;85% RH)</td>
</tr>
</tbody>
</table>

# Warranty

- The V150micro is covered by a 2 years unconditional warranty on all parts, except the cells.
- The cells are covered by a 1 year warranty, 70% of the original capacity.
- For warranty issues or if you have any additional questions, please contact the appropriate bebob distributor listed at [www.bebob.de](http://www.bebob.de).

# Disposal

- The V150micro battery has to be disposed within a dedicated collection container for used device batteries. Please be aware that only empty batteries are allowed for disposal in collection containers. In case the battery is not completely discharged, precautions against a potential short-circuit have to be taken.

# Storage

- Storage temperature range is -20°C ~ +35°C (<85% humidity).
- To store the battery for a long period (longer than 4 Weeks), the battery should be charged between 50% and 75%. The battery should be recharged every 4 Weeks.
- After storage some self-discharge will occur. Before re-use it is advisable to recharge the battery fully.
Transport as of April 1st 2016

This Summary reflects our current Knowledge.

1. Transport by Commercial Airline / Carry-on Luggage

- Subject to prior authorization of the carrier, you can transport in your carry-on luggage a V150micro attached to the camera or equipment it powers.
- You can transport in your carry-on luggage a maximum of 2 spare V150micro:
  - Put tape over the contacts.
  - Put each single battery in a plastic bag before packing it in your carry-on luggage.
- V150micro do not need to be discharged to 30% SoC for transport as personal luggage, this is only a requirement of cargo shipments.
- Carry a copy of the bebob UN Transport Documentation and V150micro UN Certificate.
- We recommend that you confirm with your carrier of choice, to determine any further restriction or local policies, before travelling. You will find the actual regulation of your carrier of choice in the bebob transport information system www.fly-lithium.com.

2. Transport by Commercial Airline / Checked-in Luggage

- Subject to prior authorization of the carrier You can transport in your checked-in luggage a V150micro attached to the camera or equipment it powers and a maximum of 3 V150micro spare packed in the same piece of luggage.
- V150micro do not need to be discharged to 30% SoC for transport as personal luggage, this is only a requirement of cargo shipments.
- Carry a copy of the bebob UN Transport Documentation and V150micro UN Certificate.
- We recommend that you confirm with your carrier of choice, to determine any further local restriction or policies, before travelling. You will find the actual regulation of your carrier of choice in the bebob transport information system www.fly-lithium.com.

3. Transport as air-, road- and sea-freight

- Li-Ion batteries and so bebob V150micro, when shipped by air, road or sea are classified as dangerous goods class 9 and subject to special UN certified packaging.
- Air transport authority training and authorisation (PK 1/PK 2) are required for packing V150micro, for an air cargo shipment.
- Li-Ion batteries for air cargo must have a state-of-charge of no more than 30% for shipping, means only one out of the five fuel gauge led lights up.
- We recommend that you confirm with your carrier of choice, to determine any further local restriction or policies, before travelling. You will find the regulation of your carrier of choice in the bebob transport information system www.fly-lithium.com.
CERTIFICATE

The tested batteries mentioned below are in compliance with the requirements of UN Manual of Tests and Criteria - Section 38.3

(ST/SG/AC.10/11/Rev.6.1)

Certificate/Test Report-No.: TZ_000177_UN

Product Description: Bebob factory 4S3P V150micro

Customer Data: Bebob factory GmbH
Höglworthor Str. 35
81379 München

Date: 10.12.2018

<table>
<thead>
<tr>
<th>Step</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 38.3.4.1 Altitude simulation</td>
<td>pass</td>
</tr>
<tr>
<td>UN 38.3.4.2 Thermal test</td>
<td>pass</td>
</tr>
<tr>
<td>UN 38.3.4.3 Vibration</td>
<td>pass</td>
</tr>
<tr>
<td>UN 38.3.4.4 Shock</td>
<td>pass</td>
</tr>
<tr>
<td>UN 38.3.4.5 External short circuit</td>
<td>pass</td>
</tr>
<tr>
<td>UN 38.3.4.6 Impact / Crush</td>
<td>not required*</td>
</tr>
<tr>
<td>UN 38.3.4.7 Overcharge</td>
<td>pass</td>
</tr>
<tr>
<td>UN 38.3.4.8 Forced discharge</td>
<td>not required*</td>
</tr>
</tbody>
</table>

* This test is not required for battery testing if it is already passed at the UN38.3 test of the built-in cell.

The certificate is only valid with the associated Test Report.

Adrian Selke
Head of Quality Assurance, Authorized Representative

Klaus Gehring
Test Technician

ANSMANN AG • Industriestraße 10 • 57359 Aschaffenburg • info@ansmann.de • www.ansmann.de

November 2019