

Quick Guide  
For Android Tablet  
Ninebot VA50EC

### **Federal Communication Commission Interference 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.

#### **Caution:**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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

**RF exposure warning :**

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

**Information for the OEMs and Integrators :**

- 1) This device is intended for OEM integrators only.
- 2) Please see the full Grant of Equipment document for other restrictions.

**End Product Labeling :**

This transmitter module is authorized only for use in device where the antenna may be installed such that 20cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following: "Contains FCC ID: 2ALS8VA50EC " and "Contains IC: 22636-VA50EC " .

**Devices shall bear the following statement in a conspicuous location on the Host :**

"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. "

**Note:** If the host is so small or for such use that it is not practicable to place the statement, the text associated with the logo may be placed in a prominent location in the instruction manual or pamphlet supplied to the user. However, the unique identification (trade name and model number) and the logo must be displayed on the host.

**Canada, Industry Canada (IC) Notices**

This device complies with Canada licence-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.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

### **Canada, avis d'Industry Canada (IC)**

Cet appareil est conforme avec Industrie Canada exemptes de licence RSS standard(s).

Son fonctionnement est soumis aux deux conditions suivantes :

(1) cet appareil ne doit pas causer d'interférence et (2) cet appareil doit accepter toute interférence, notamment les interférences qui peuvent affecter son fonctionnement.

En vertu de la réglementation de l'industrie du Canada, cet émetteur de radio ne peuvent fonctionner en utilisant une antenne d'un type et maximum (ou moins) Gain approuvé pour l'émetteur par Industrie Canada. pour réduire risque d'interférence aux autres utilisateurs, le type d'antenne et son gain doivent être choisis de sorte que la puissance isotrope rayonnée équivalente (PIRE) ne dépasse pas ce qui est nécessaire pour la réussite de communication.

### **Radio Frequency (RF) Exposure Information**

The radiated output power of the Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.

This device has also been evaluated and shown compliant with the IC RF Exposure limits under mobile exposure conditions. (antennas are greater than 20cm from a person's body).

### **Informations concernant l'exposition aux fréquences radio (RF)**

La puissance de sortie émise par l'appareil de sans fil est inférieure à la limite d'exposition aux fréquences radio d'Industry Canada (IC). Utilisez l'appareil de sans fil de façon à minimiser les contacts humains lors du fonctionnement normal.

Ce périphérique a également été évalué et démontré conforme aux limites d'exposition aux RF d'IC dans des conditions d'exposition à des appareils mobiles (antennes sont supérieures à 20 cm à partir du corps d'une personne).

### **CAUTION**

Risk of explosion if battery is replaced by an incorrect type.  
Dispose of used batteries according to the instructions.

### **ATTENTION**

RISQUE D'EXPLOSION SI LA BATTERIE EST REMPLACÉE  
PAR UN TYPE INCORRECT. RECYCLEZ LES BATTERIES  
USAGÉES SELON LES INSTRUCTIONS.

## Layout

- **Base Head unit**

Front



No.	Name	No.	Name
1	Right Infrared Camera	4	Left Infrared Camera
2	SoC Color Camera	5	Motion Camera
3	LED Flash Light		

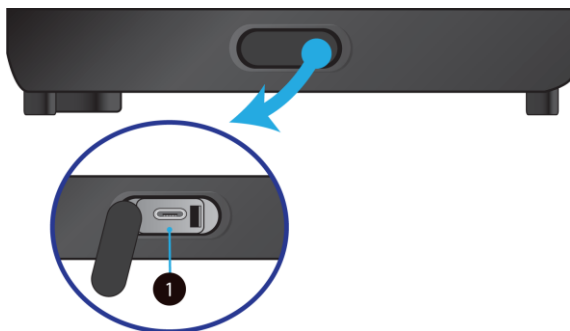
## Top



No.	Name	No.	Name
1	LCD Tape Cable	4	SPI Header
2	Camera Tape cable	5	6-pin Battery Connector
3	Power Jack		



## Back



No.	Name
1	Micro USB Type C / OTG Port

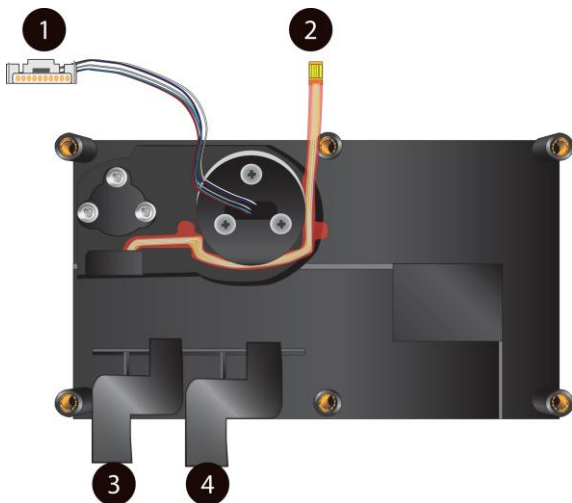
- **LCD Unit**

Front



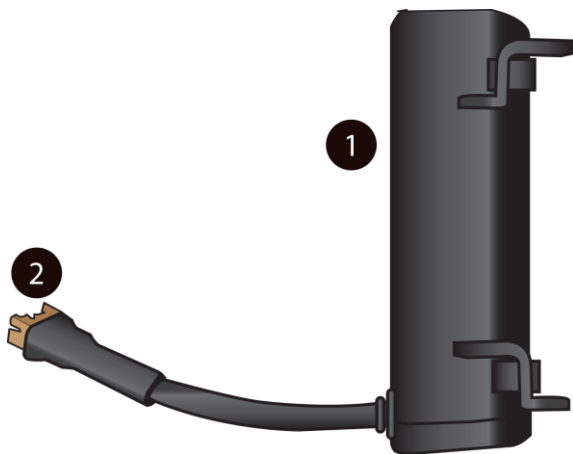
No.	Name	No.	Name
1	LCD Touch Panel	2	8M-pixel Camera

## Back



No.	Name	No.	Name
1	UART Header	3	Camera Tape Cable
2	Mic Array Header	4	LCD Tape Cable

- **Battery Unit**



No.	Name	No.	Name
1	Battery Chamber	2	6-pin Battery Connector

## Specifications

<b>Processor</b>	<ul style="list-style-type: none"> <li>● Intel Cherry Trail Type4 Z8550 / Z8750</li> <li>● 2.4GHz,64bit</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>● LPDDR3 1600</li> <li>● 4GB</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>● eMMC MLC 5.0</li> <li>● 64 GB</li> </ul>
<b>Wireless</b>	<ul style="list-style-type: none"> <li>● Wi-Fi 802.11 ac, Bluetooth 4.0 dual band</li> </ul>
<b>Touchscreen</b>	<ul style="list-style-type: none"> <li>● 4.3" IPS</li> <li>● Resolution: 480x800 pixels</li> <li>● 5 Point Multi Touch</li> <li>● Capacitive support</li> </ul>
<b>Cameras</b>	<ul style="list-style-type: none"> <li>● DS4T Module (2 MP camera )</li> <li>Right infrared camera</li> <li>SoC color camera</li> <li>Left infrared camera</li> <li>● Motion camera</li> <li>● 8M pixel front camera</li> </ul>
<b>Battery</b>	<ul style="list-style-type: none"> <li>● Li-polymer</li> <li>● 18650 2600mAh</li> </ul>

<b>Input/Output</b>	<ul style="list-style-type: none"> <li>● Power connector: 12V/3A</li> <li>● 1 x USB Type C / OTG</li> <li>● 1 x LD0 Power</li> <li>● 1 x SPI</li> <li>● Mic Array ; Audio Code :ALC5672</li> </ul>
<b>OS</b>	<ul style="list-style-type: none"> <li>● Google Android 5.1 Lollipop</li> <li>● CTS</li> </ul>
<b>Dimension (mm)</b>	<ul style="list-style-type: none"> <li>● LCD: 133 x 76 x 14~24.5 mm</li> <li>● Base: 129 x 88 x 20~25 mm</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>● 350g</li> </ul>