

Nova Carter AMR Development Robot



Quick Start Guide

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Getting Started with Nova Carter

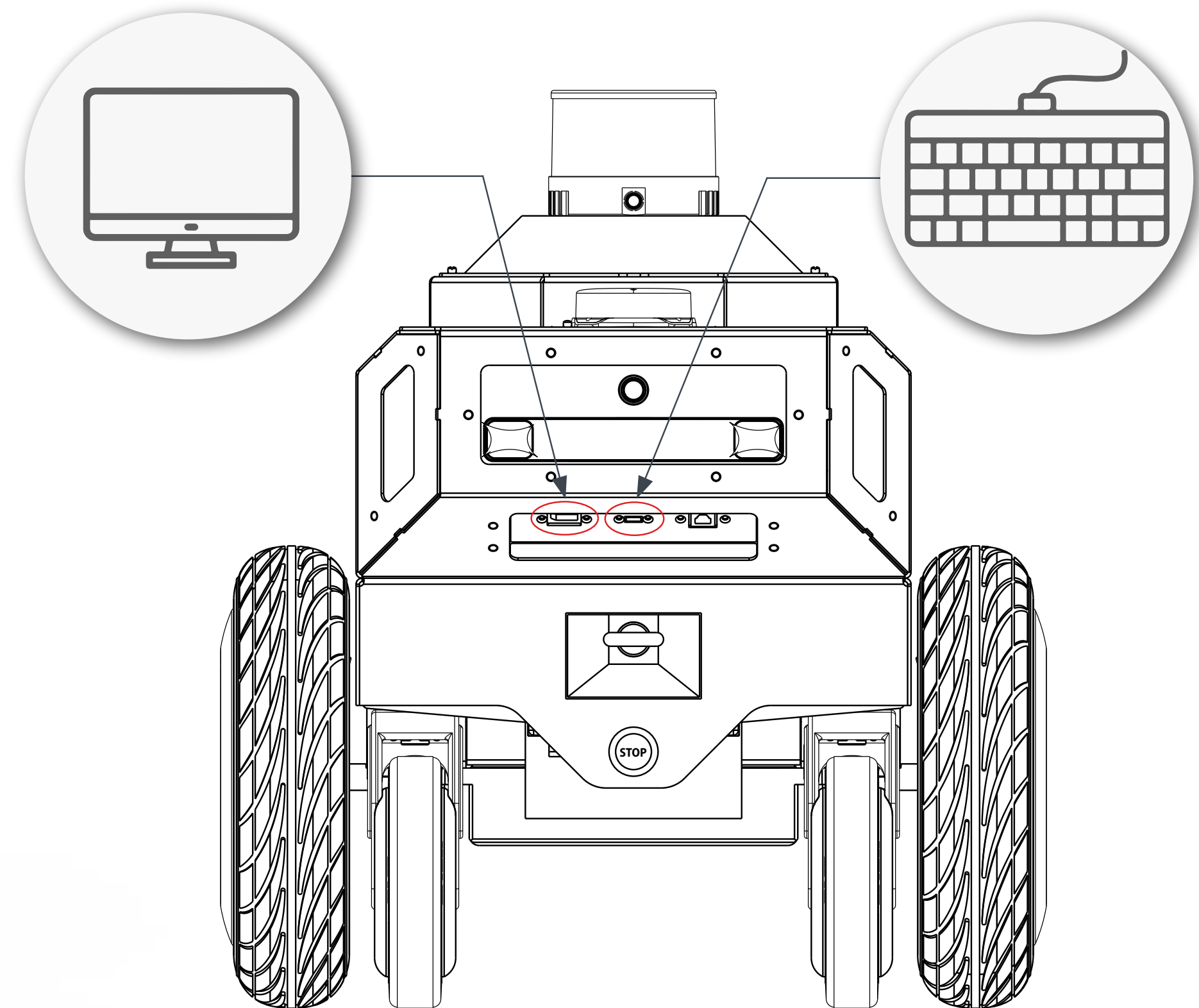
Step 1: Remove the Lidar Cover

Remove screws holding the LIDAR cover in place using included 2.5 mm hex driver. Reinstall the screws once the cover is removed.



Step 2: Connect Monitor, Keyboard, and Mouse

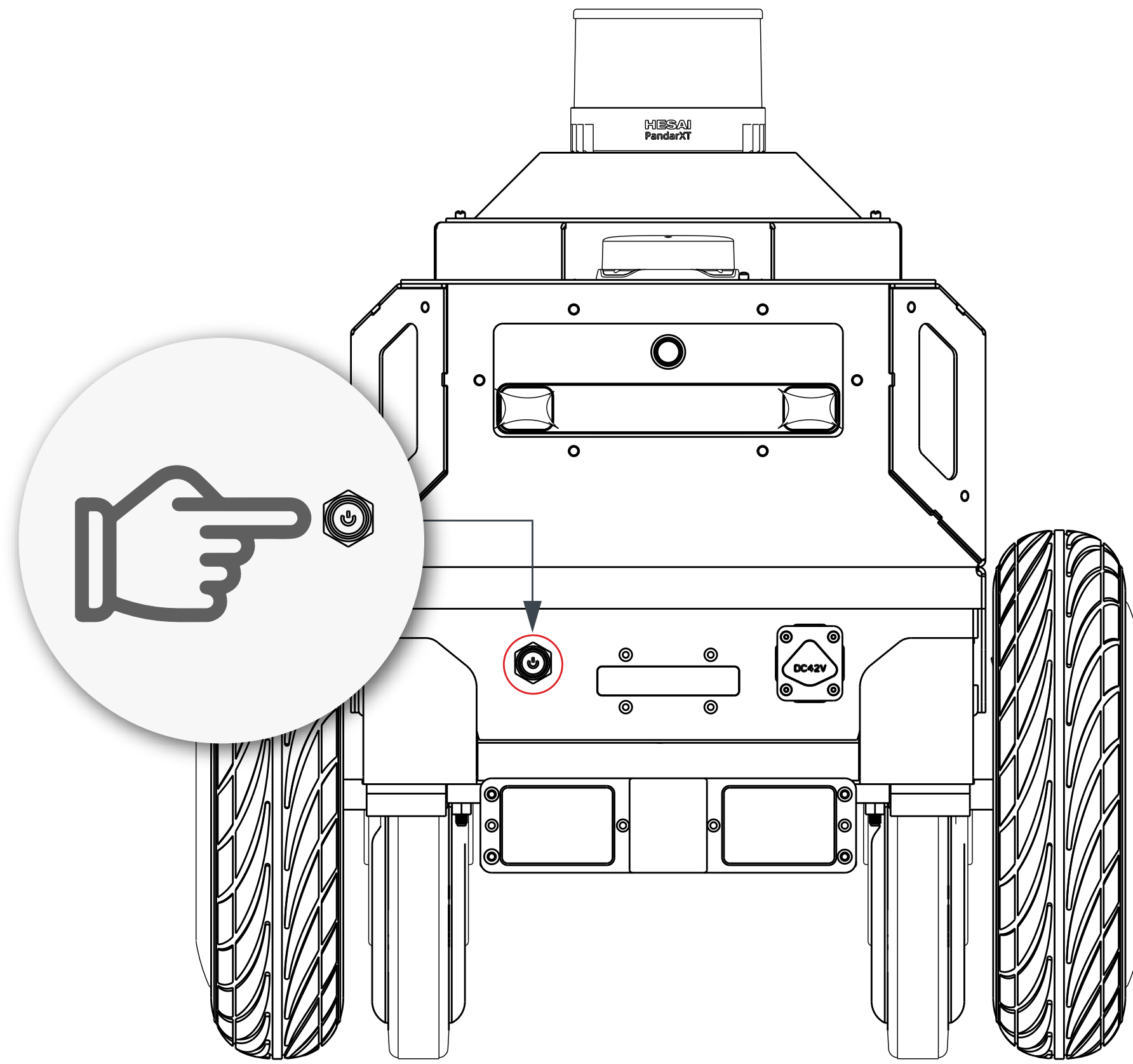
Connect peripherals to the rear IO panel. You may use the provided USB-C to USB-A dongle for convenience.



Getting Started with Nova Carter

Step 3: Power On

Hold the power button to turn the robot on.

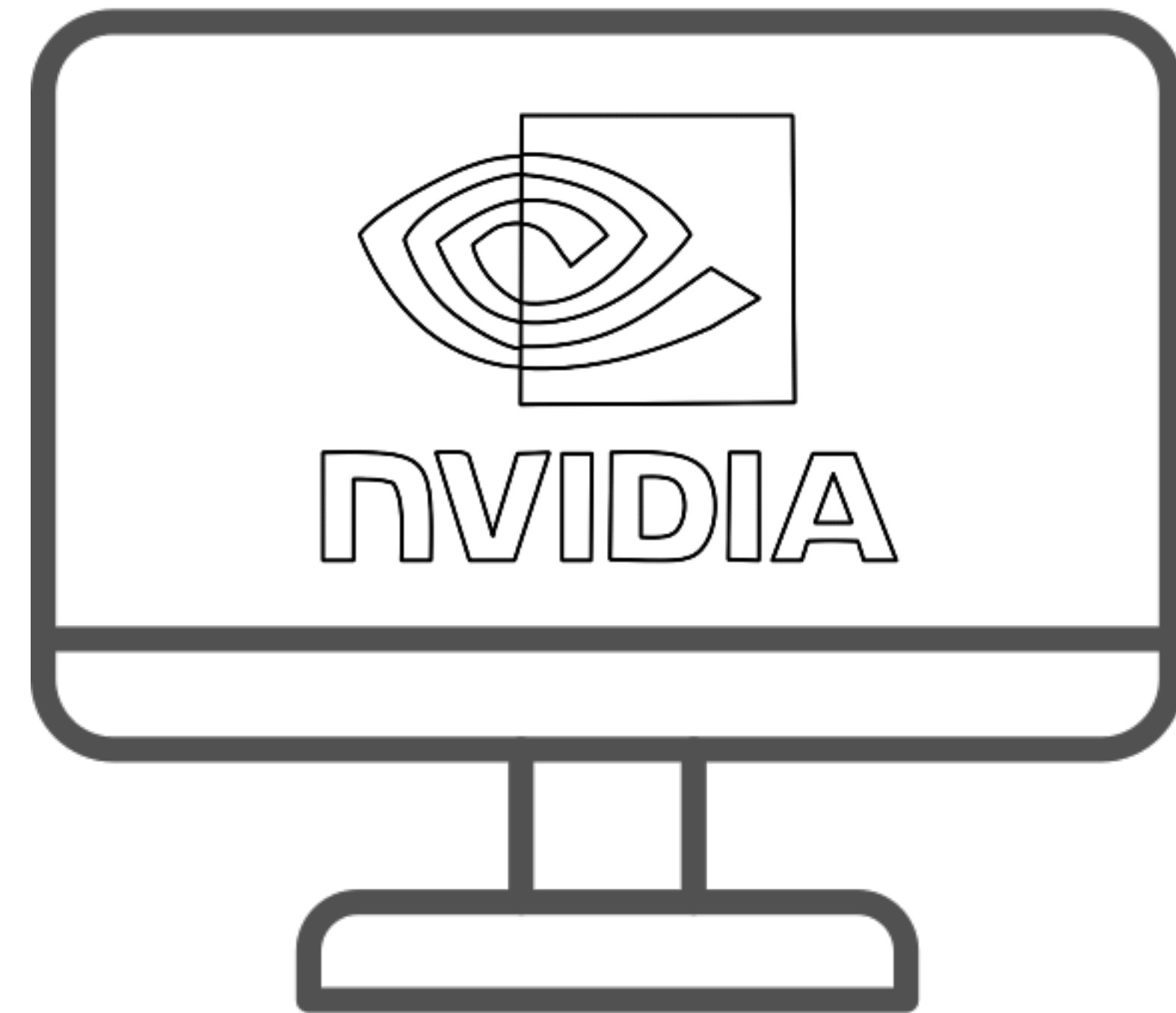


Step 4: Start Using Jetson

Begin developing your robot using the familiar NVIDIA Jetson AGX Orin™ Linux environment.

Default Username: nvidia

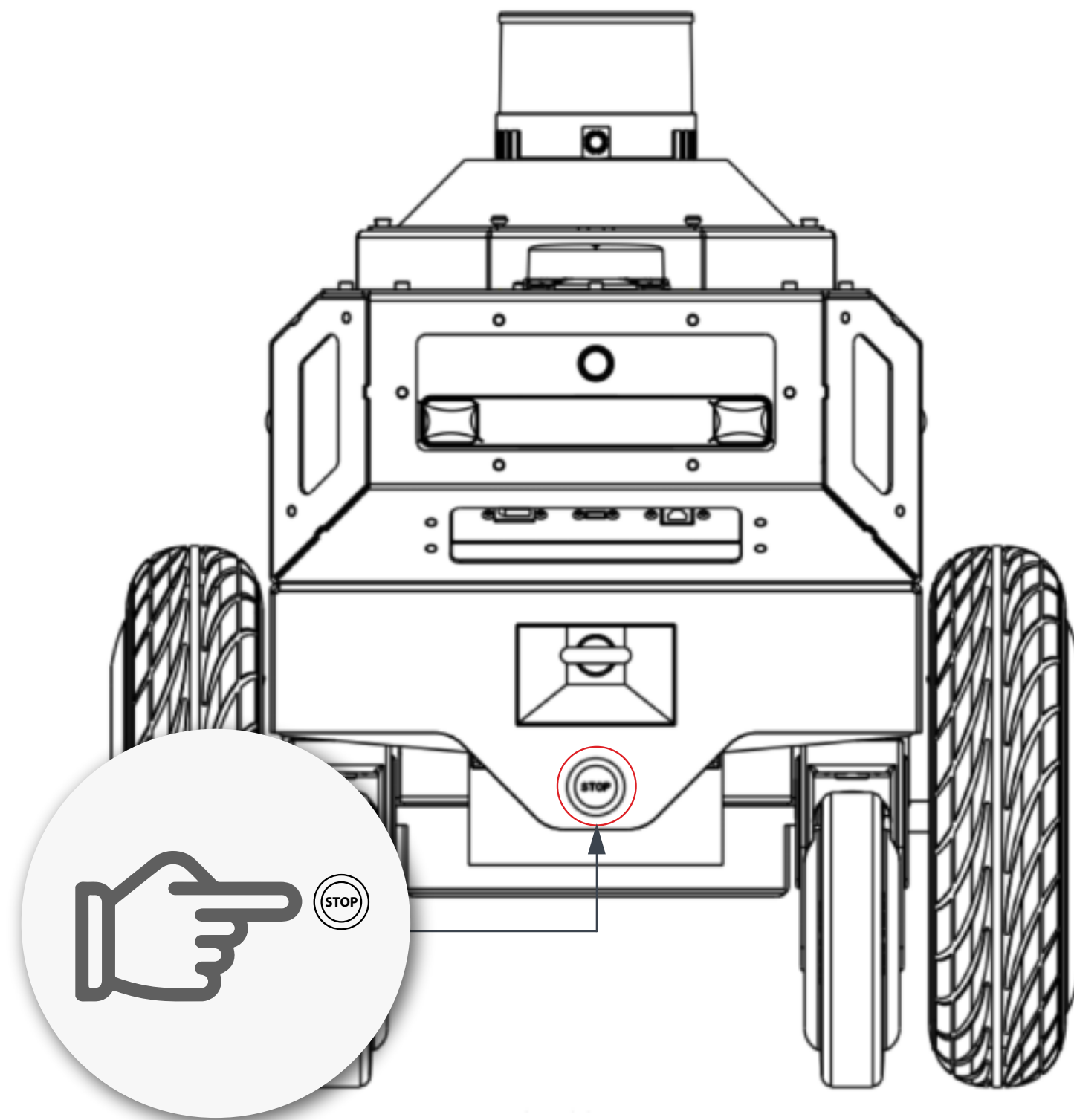
Password: nvidia



Getting Started with Nova Carter

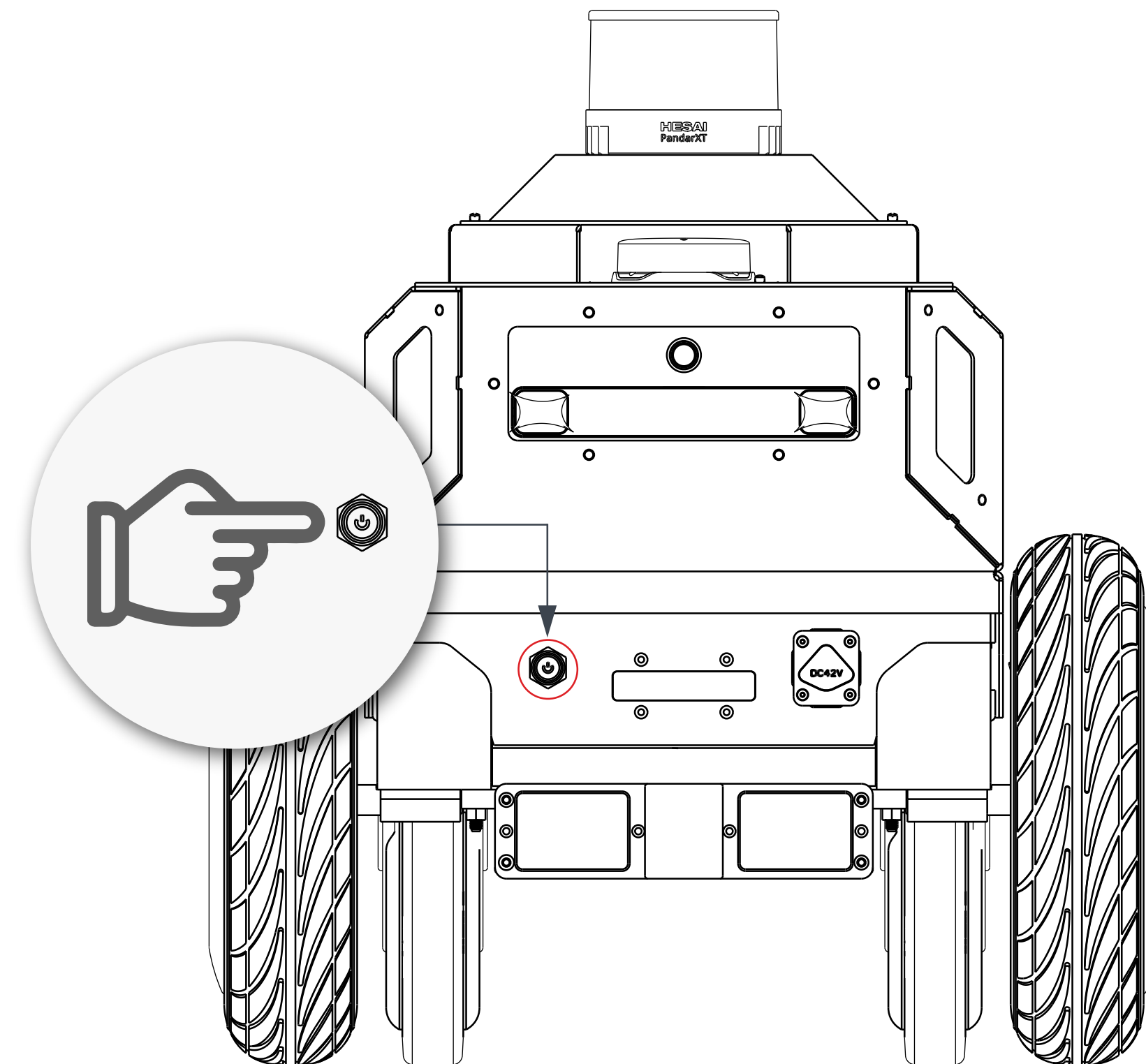
Emergency Stop Use

Press the Emergency Stop (E-Stop) button to immediately cut motor power. The front indicator light will blink red while the E-Stop is engaged. To release the E-Stop, twist the button clockwise

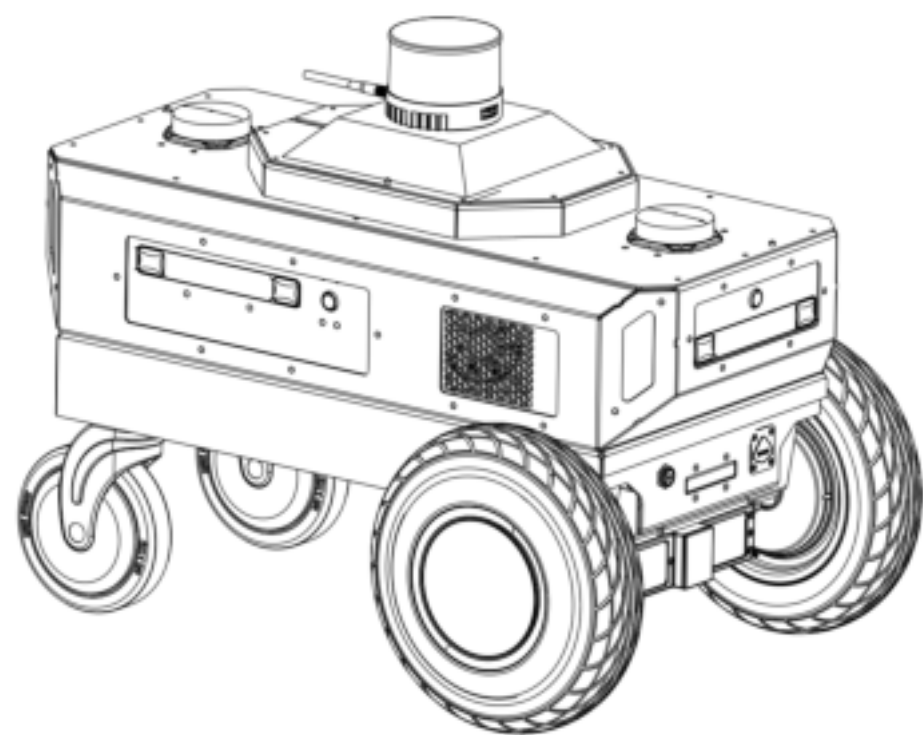


Charging the Robot

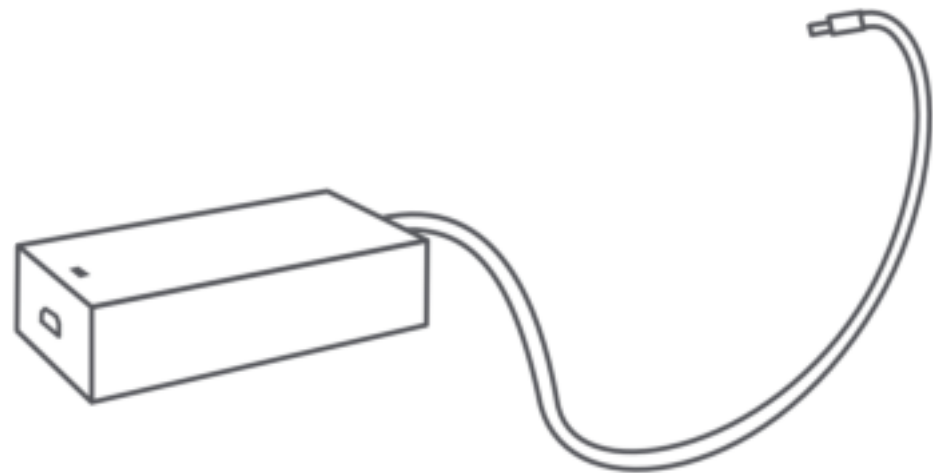
To charge Nova Carter, connect the included wall charger to the charge port. The charger may be used while the robot is on or off. Nova Carter will not respond to movement commands while charging.



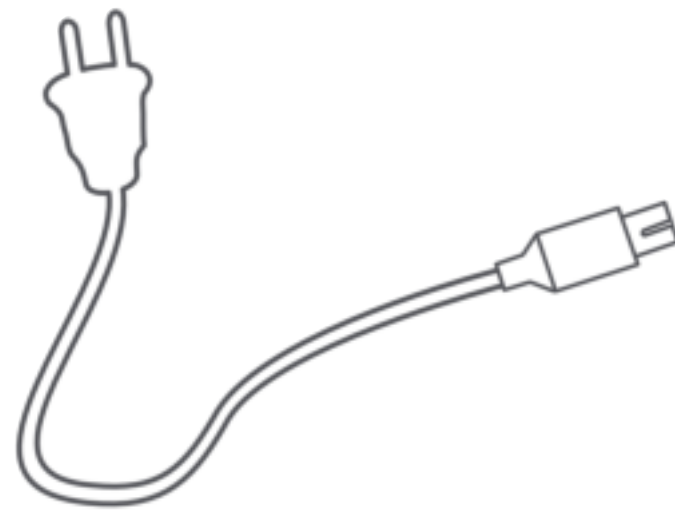
Packing Contents



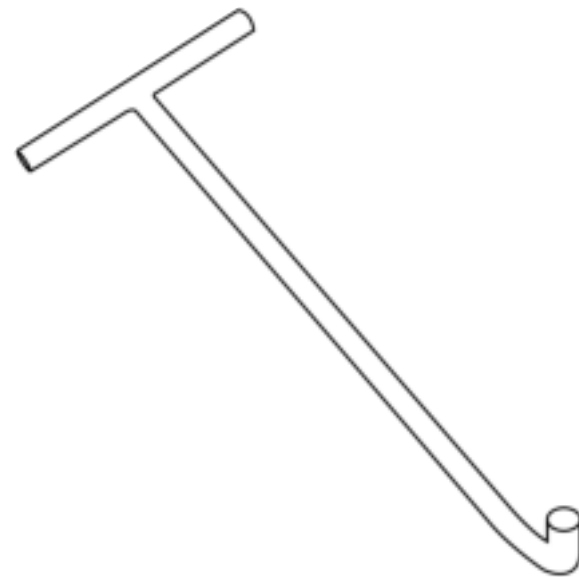
*Nova Carter Robot *1
(3D Mapping Top Module Pre-installed)*



*Charger *1*



*AC Cable *1*



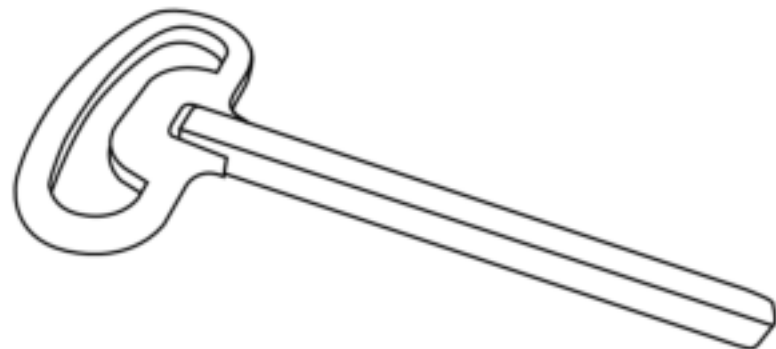
*Tow Hook *1*



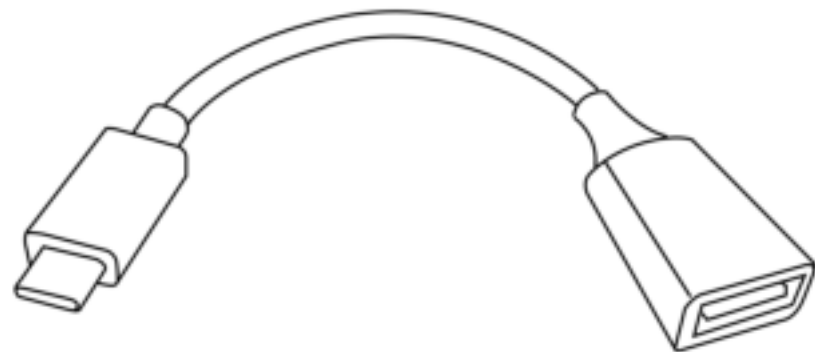
*Hex Wrench*1*



*Controller *1*



*Key to Battery Lock *1*



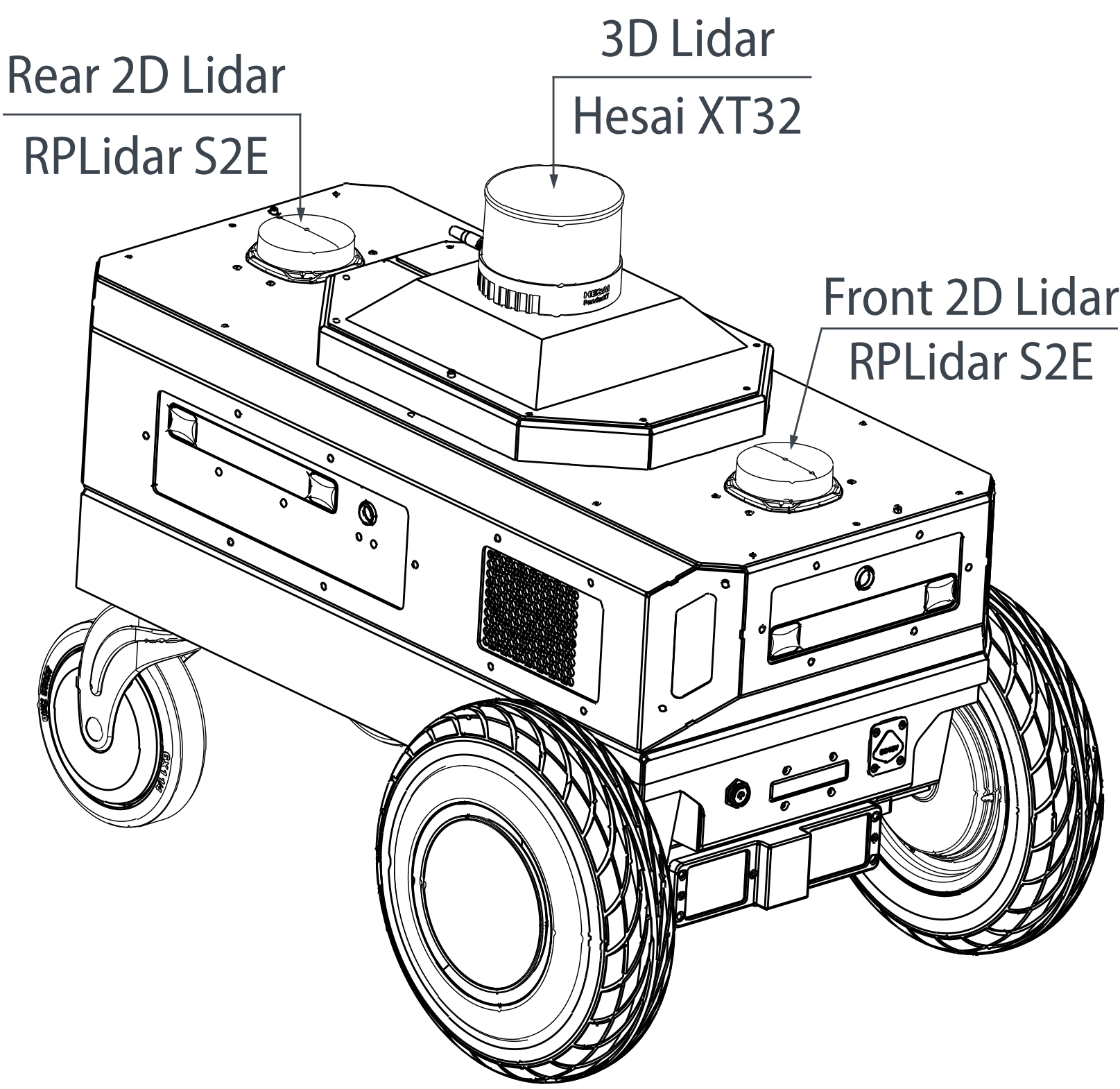
*USB-C to USB-A Dongle *1*



*Basic Cargo Top Module *1*

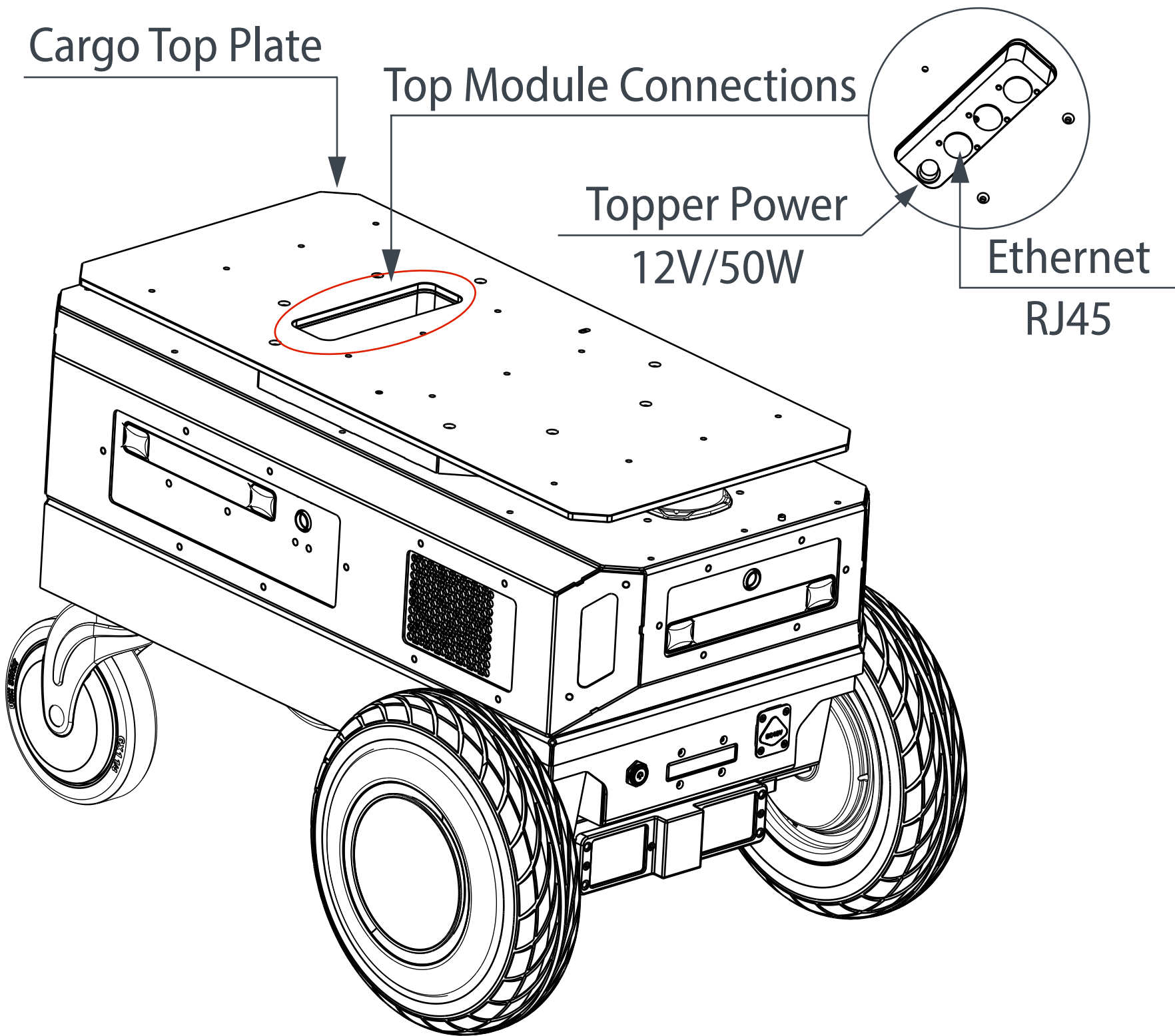
Note: Controller model: CFI-ZCT1NA

Product Overview



3D Mapping Configuration

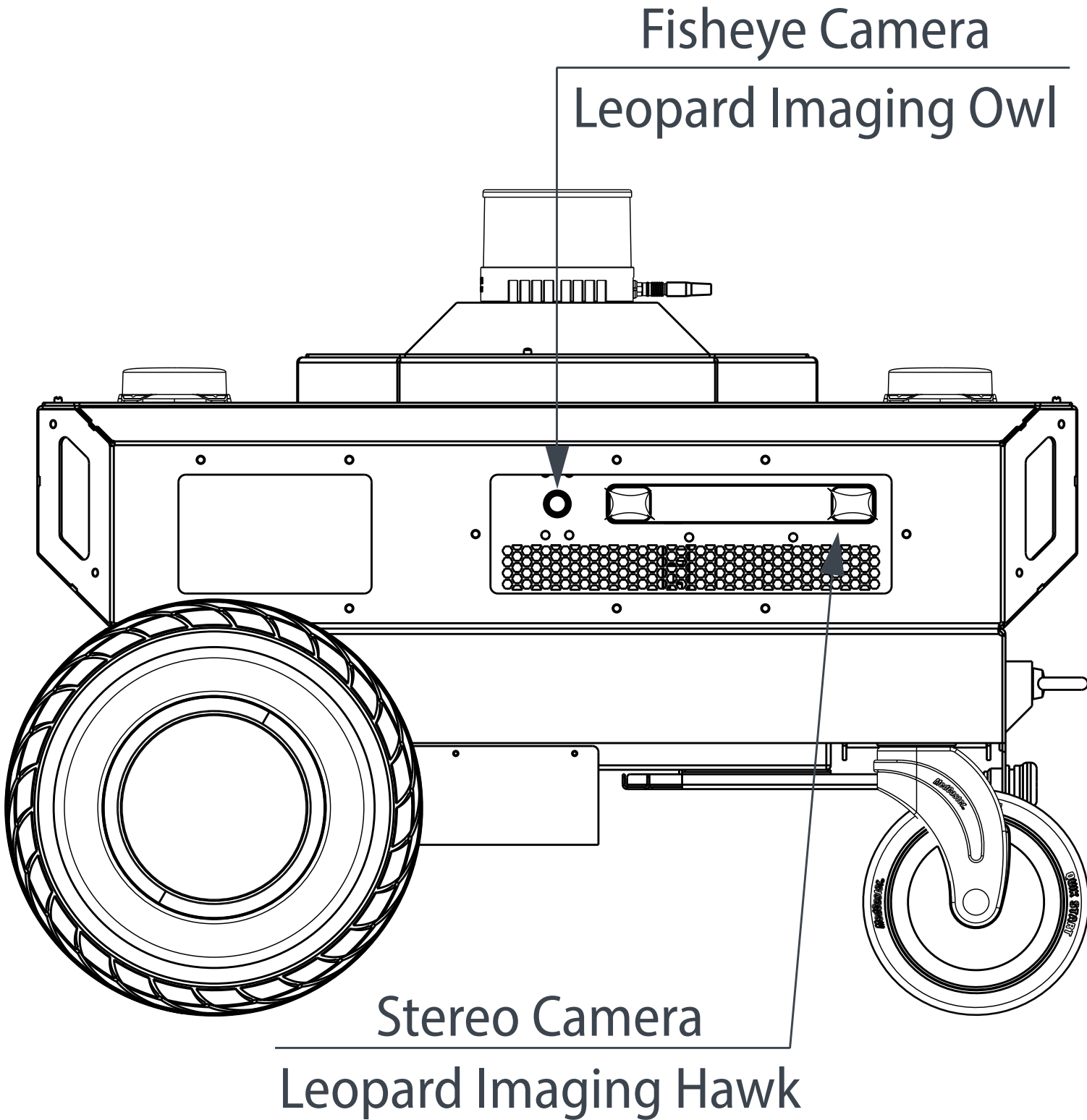
Getting started guide is based on the 3D Mapping Configuration



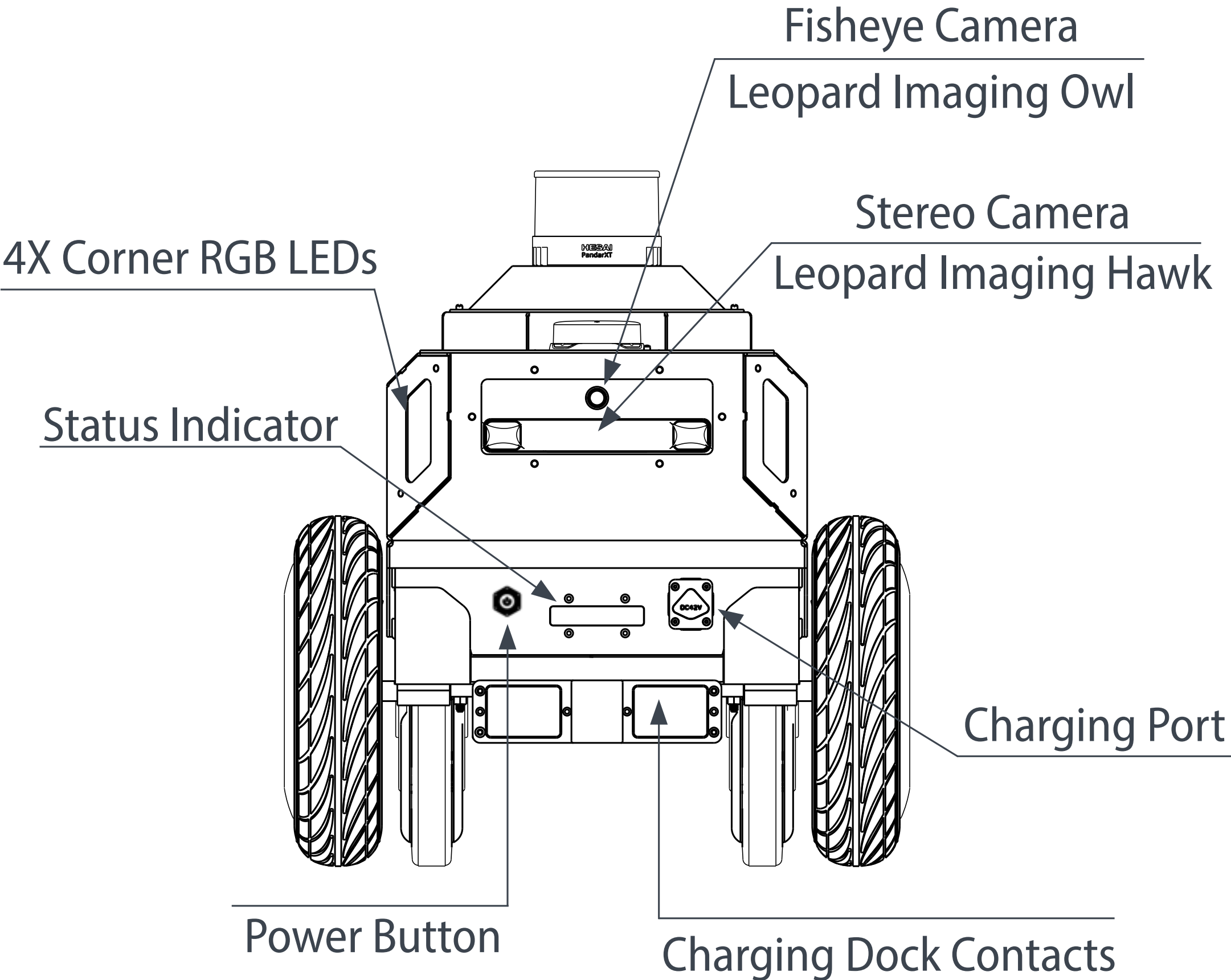
Basic Cargo Top Configuration

Alternate product configuration

Product Overview

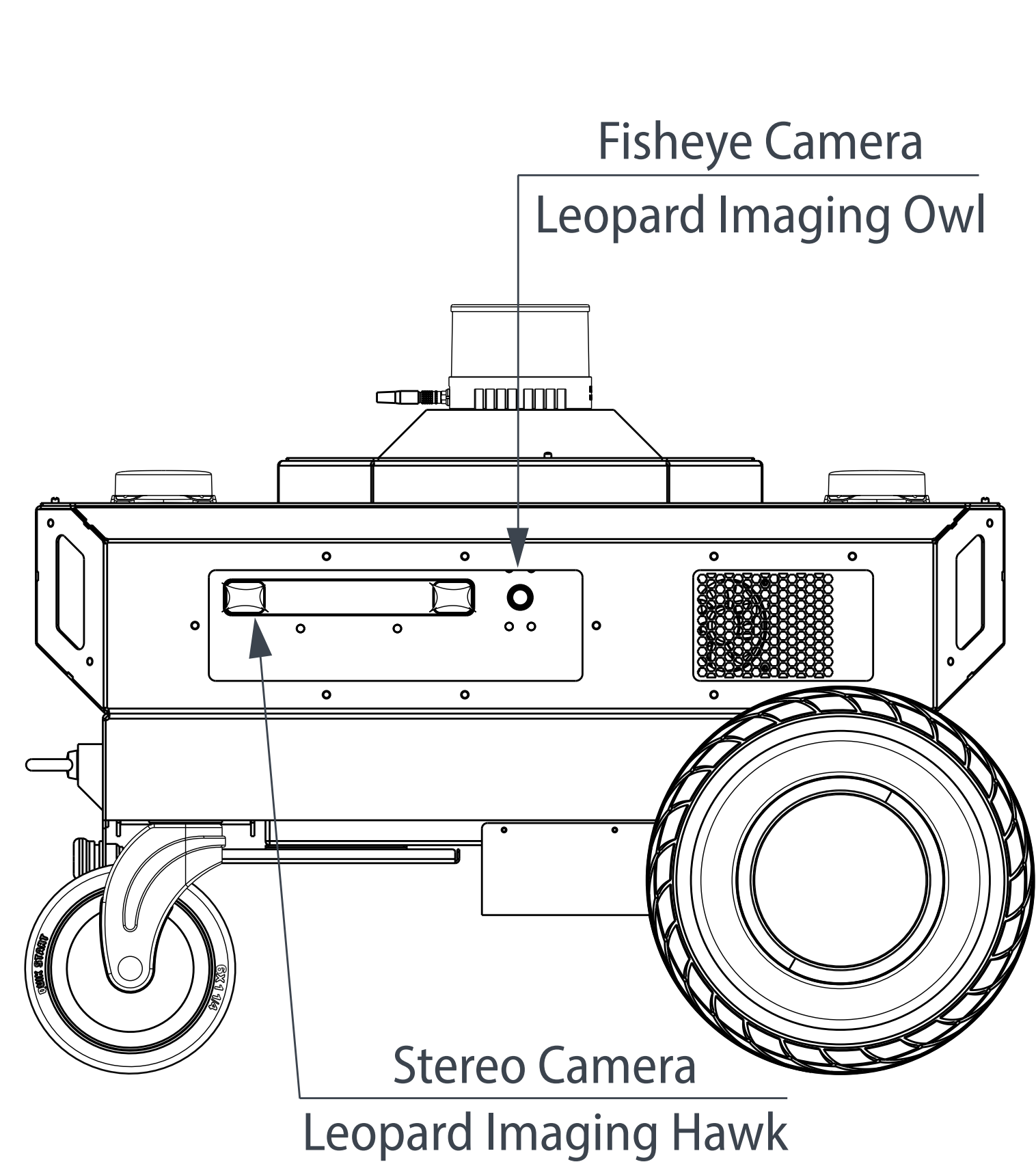


Left View

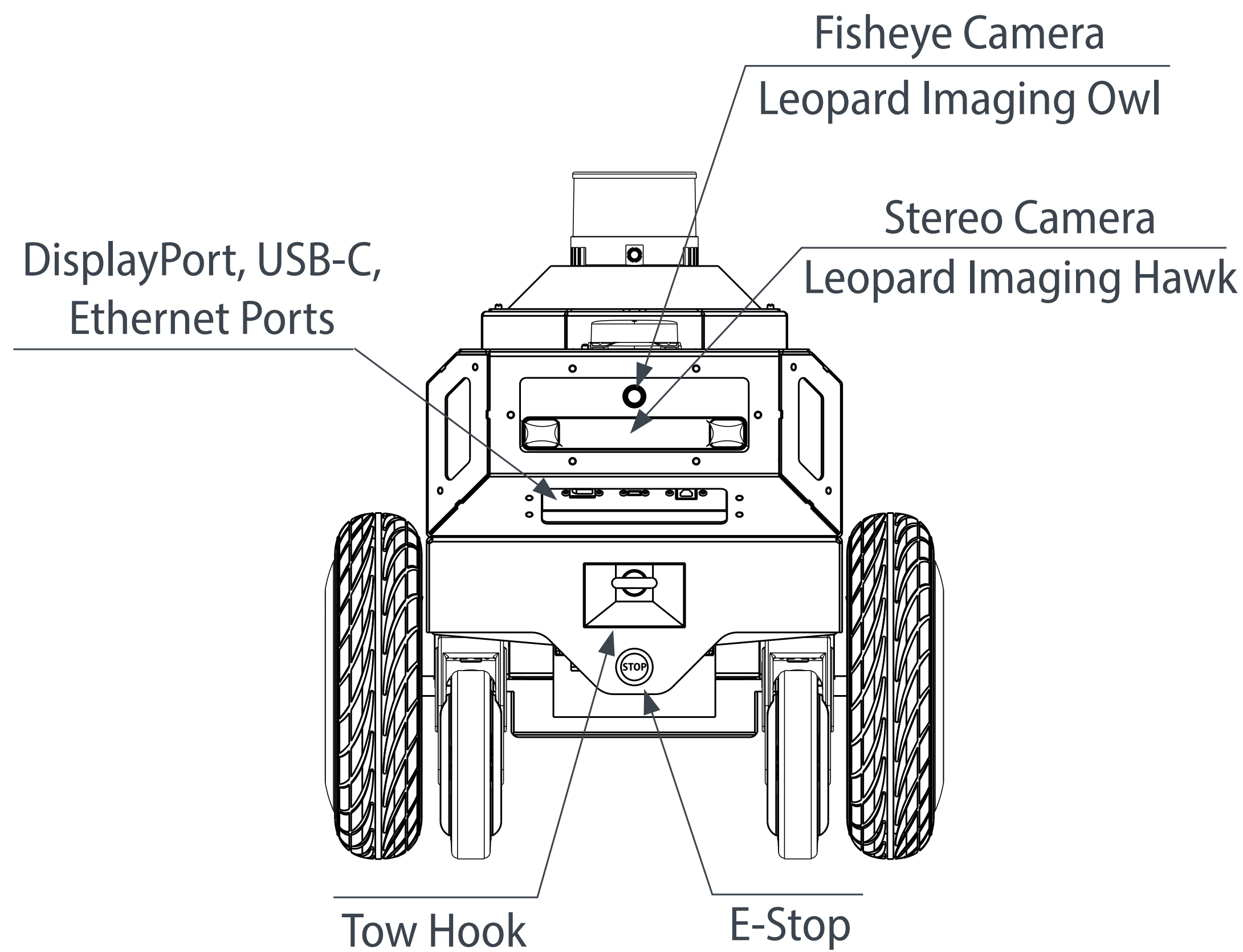


Front View

Product Overview



Right View



Back View

Certifications

<i>Item</i>	<i>Standard</i>	<i>Qualified or not</i>	<i>Certification report or not</i>
CB/CE-safety	IEC/EN 62133-2: 2017	Qualified	Yes
UL2271	UL2271 (sent from UL)	Qualified	Yes
EU Battery Directive	2013/56/EC	Qualified	Yes
RoHS/REACH/PoPs		Qualified	Yes
UN38.3	S/SG/AC.10/11, Article 38.3, Dangerous Goods Transport Simulation Test of United Nations	Qualified	Yes
SDS/MSDS	/	Qualified	Yes
EMC	ECE R10	Qualified	No
GOST-R	/	Qualified	Yes

Note: Standards mentioned above are about battery certification.

More Information

Please scan the QR code or visit the link below for more information about Nova Carter.

<https://robotics.segway.com/download/>





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