

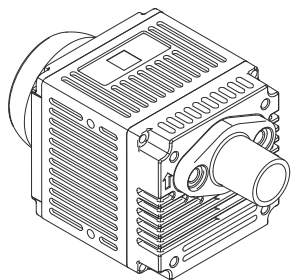
IR Thermal Imaging For Vehicle

Quick Start Guide

- Packing List
- Connection
- Display Methods.

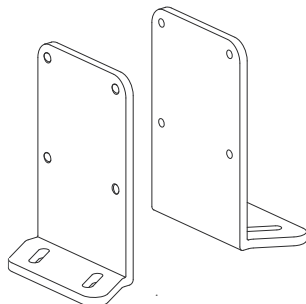
contact@aiseeir.com

1.Packing List



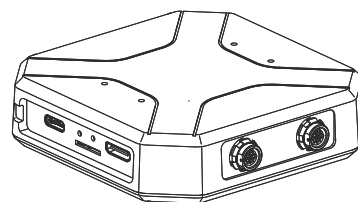
IR Thermal Camera*1

①



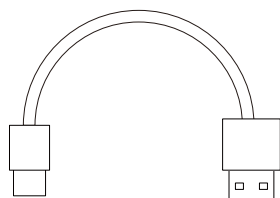
Bracket*2Pairs

②



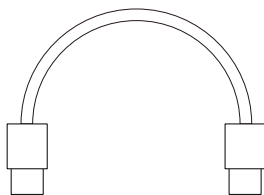
AISEEBOX*1

③



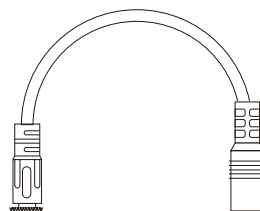
USB-C/USB-A
Cable*1

④



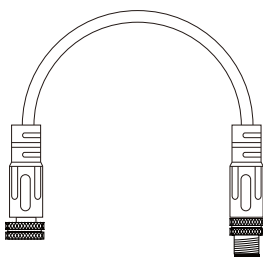
USB-C/USB-C
Cable*1

⑤



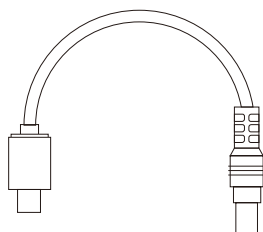
M8/DC Power Cable*1

⑥



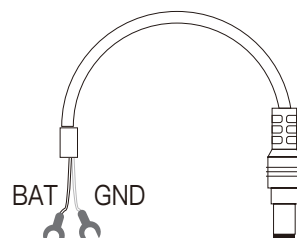
M8/M8 Cable *1

⑦



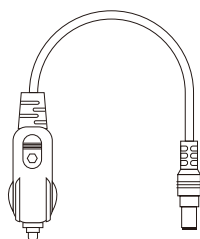
DC/TYPE-C Power
Cable*1 (12V2A)

⑧



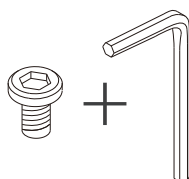
DC/Fork Connect
Power Cable Power
Cable*1 (12V2A)

⑨

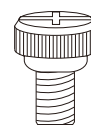


DC/Cigarette Power
Cable *1 (12V2A)

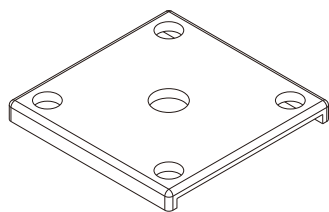
⑩



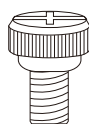
M2 Screw*8 +
Hex key



M4 Screw *5



+



Extra Bracket+M4*8mmScrew*5

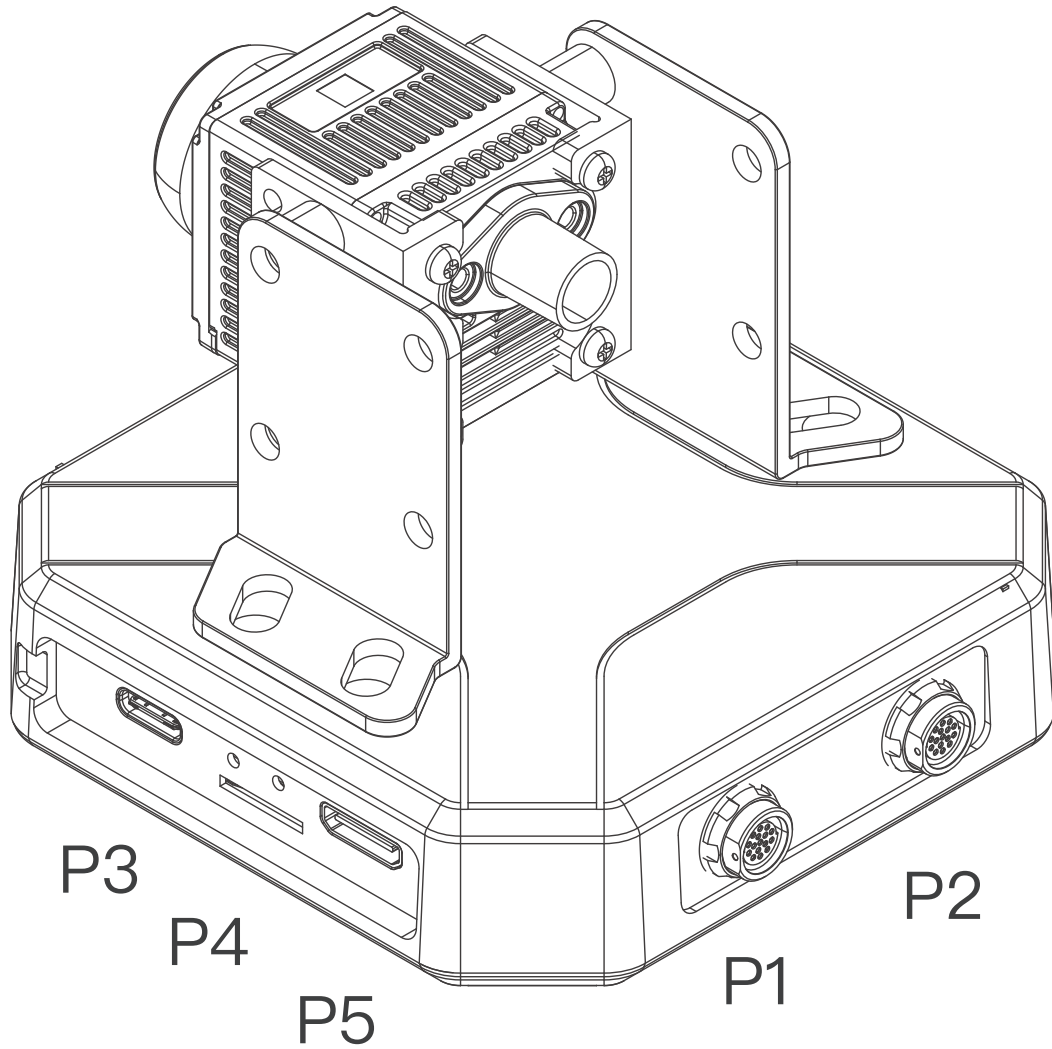


M4 Threaded Screw
*5

AISEE®

Manual*1

2.AISEEBOX Interface



P1. Camera

P2. Power

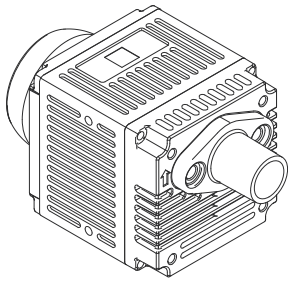
P3. USB-C

P4. TF card

P5. HDMI-Out (mini)

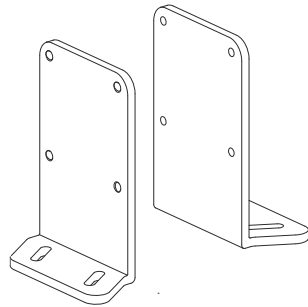
3.For Daily Drive

3.1 Items



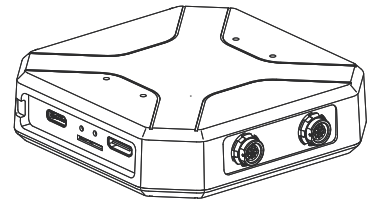
IR Thermal Camera*1

①



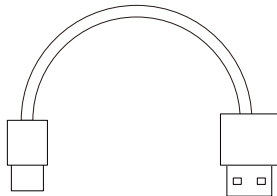
Bracket*2Pairs

②



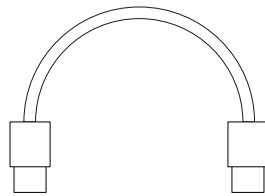
AISEEBOX*1

③

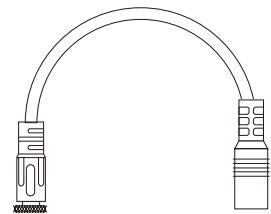


USB-C/USB-A
Cable*1

④or⑤

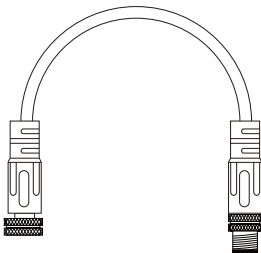


USB-C/USB-C
Cable*1



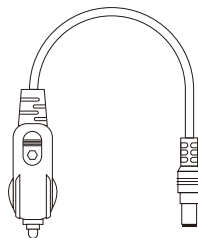
M8/DC Power Cable*1

⑥



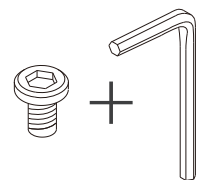
M8/M8 Cable *1

⑦



DC/Cigarette Power
Cable *1 (12V2A)

⑩



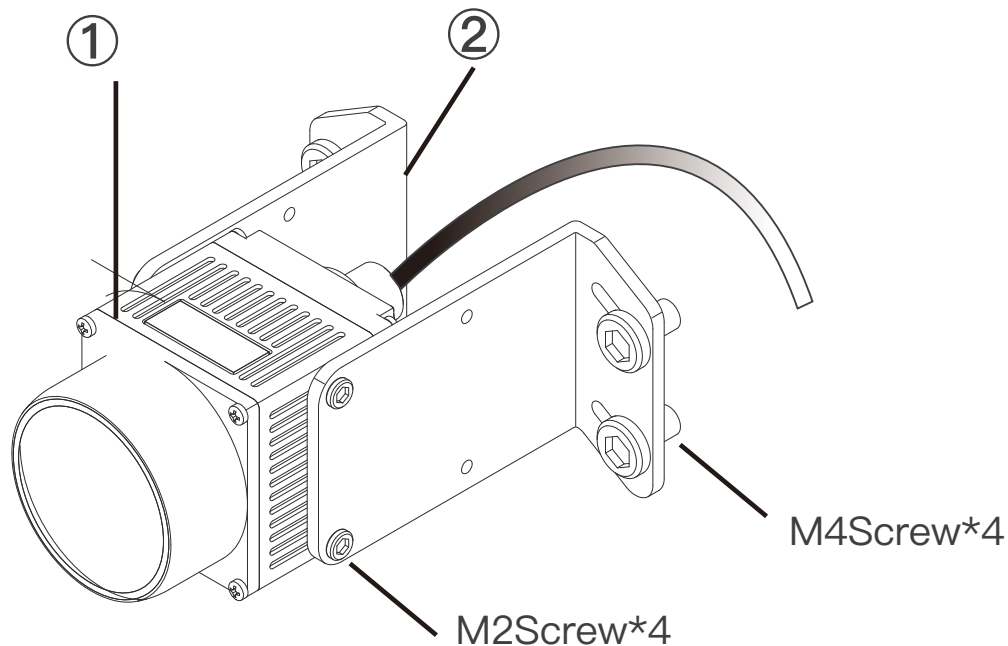
M2 Screw*4 +
Hex key



M4 Threaded Screw
*4

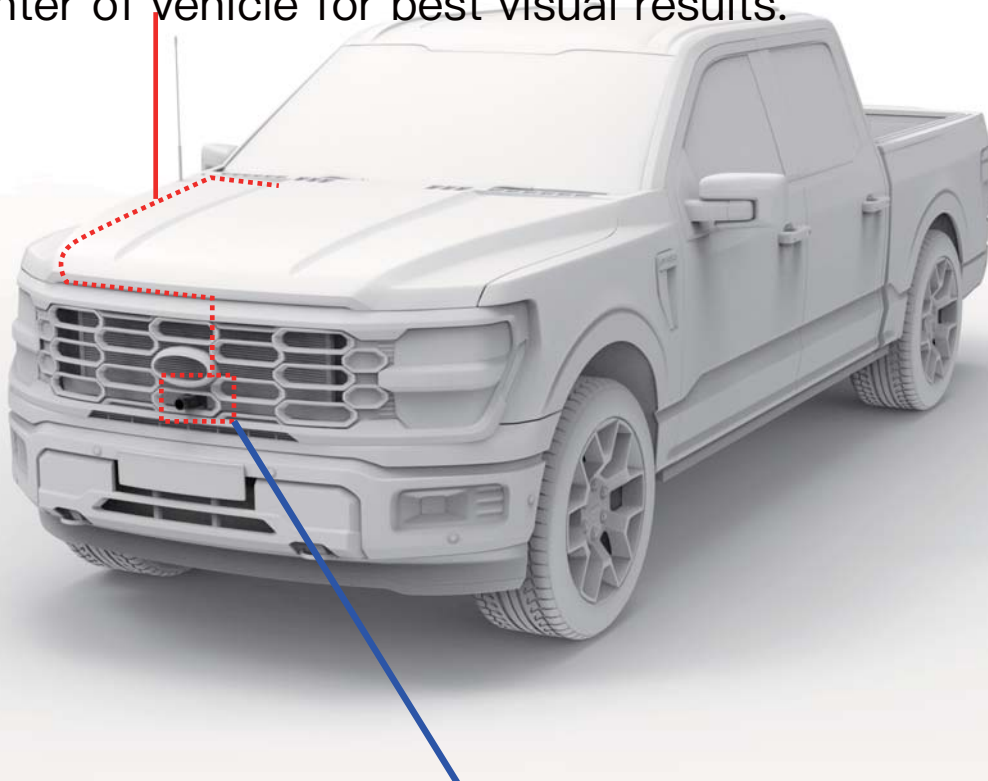
3.2 Mount

For Example: Camera on Grille



Pre-drilled holes on bracket allows flexible Camera bracket installation orientations.

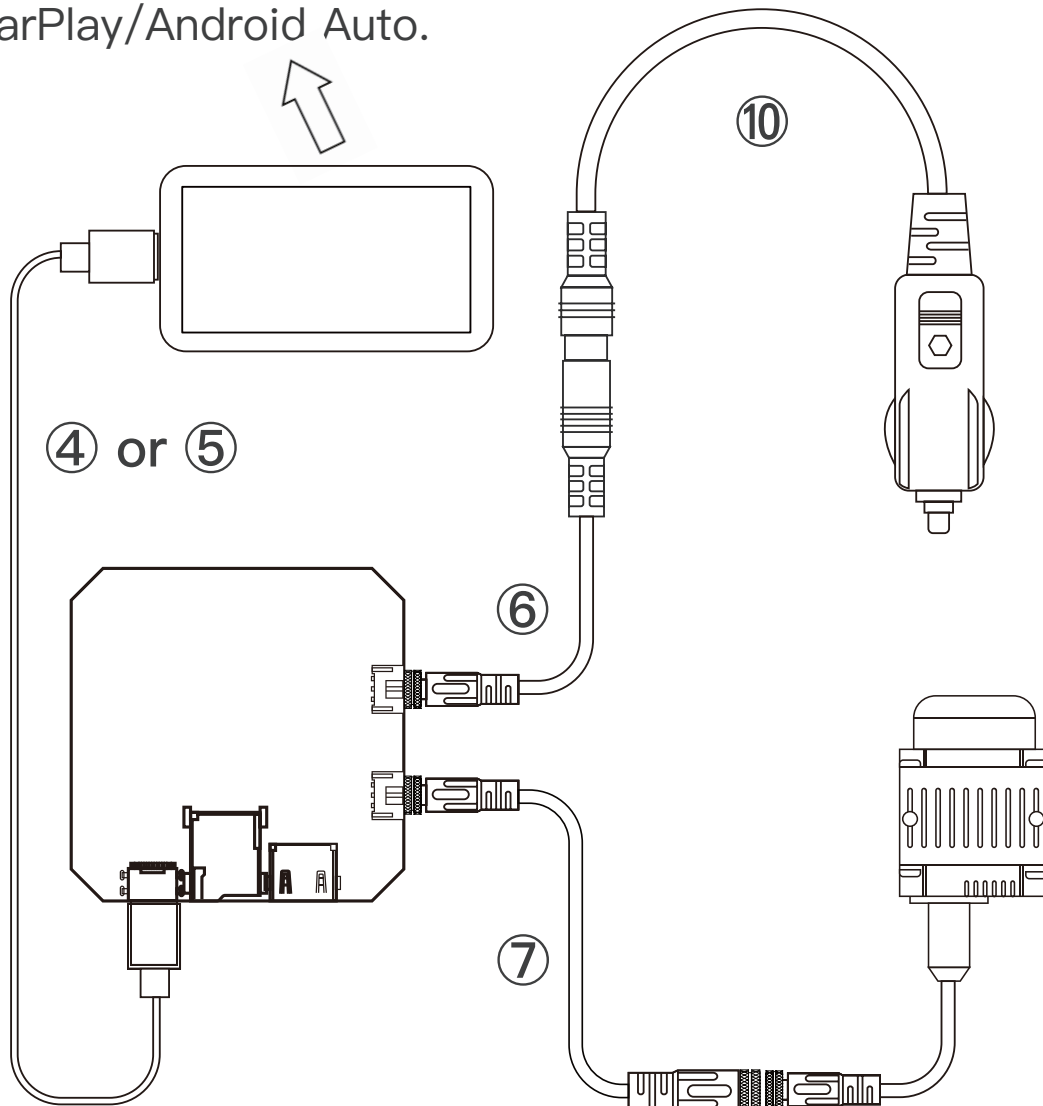
Install camera at about 2 ft / 60 cm above ground and at center of vehicle for best visual results.



Recommend installing IR Camera behind the outer facia of front grill to protect from rocks and chips.

3.3 Connect and Display

OE Screen USB port for
CarPlay/Android Auto.

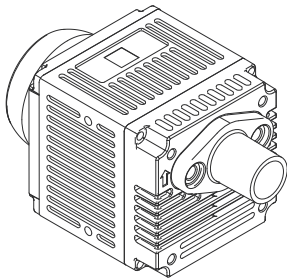


Camera view can

- * Project on CarPlay / Android Auto capable OE Screen using OE CarPlay / Android Auto USB port.
- * Display on cellphone /tablet, any mobile device via Wi-Fi App
- * Display on / monitor via HDMI

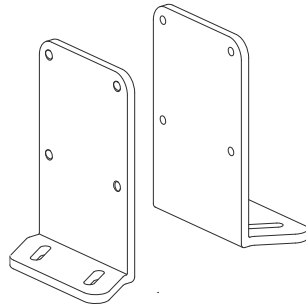
4.For Short Trip

4.1 Items



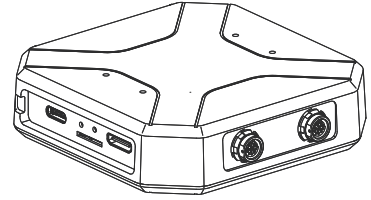
IR Thermal Camera*1

①



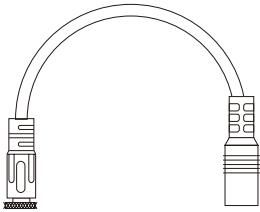
Bracket*2Pairs

②



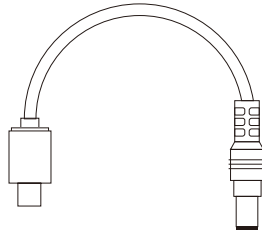
AISEEBOX*1

③

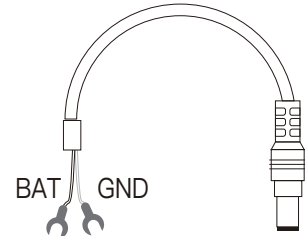


M8/DC Power Cable*1

⑥

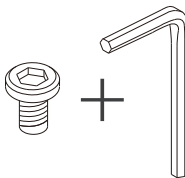


DC/TYPE-C Power
Cable*1 (12V2A)

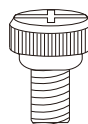


DC/Fork Connect
Power Cable Power
Cable*1 (12V2A)

⑧or⑨

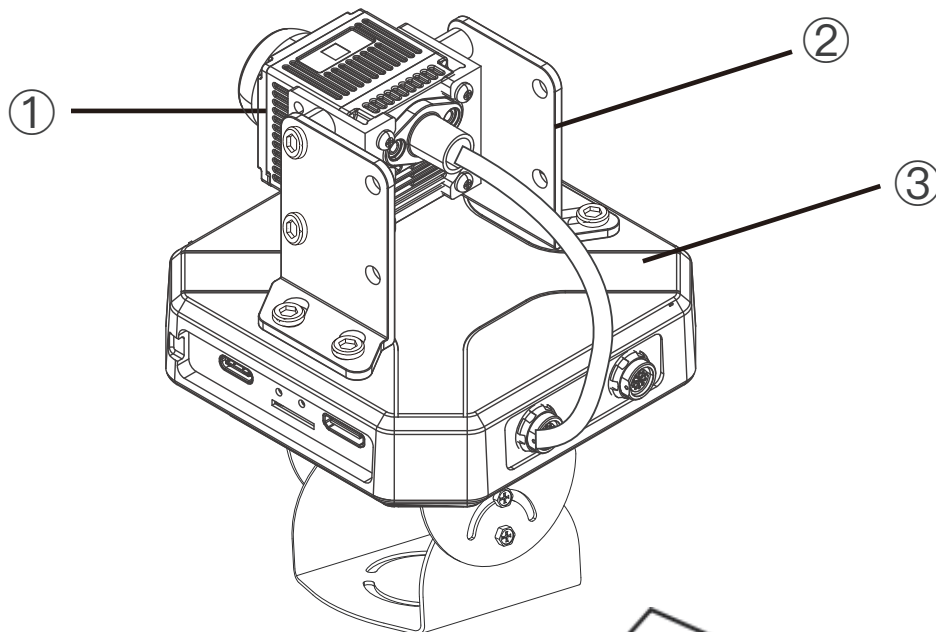


M2 Screw*4 +
Hex key



M4 Screw *4

4.2 Mount For example: Camera on engine hood

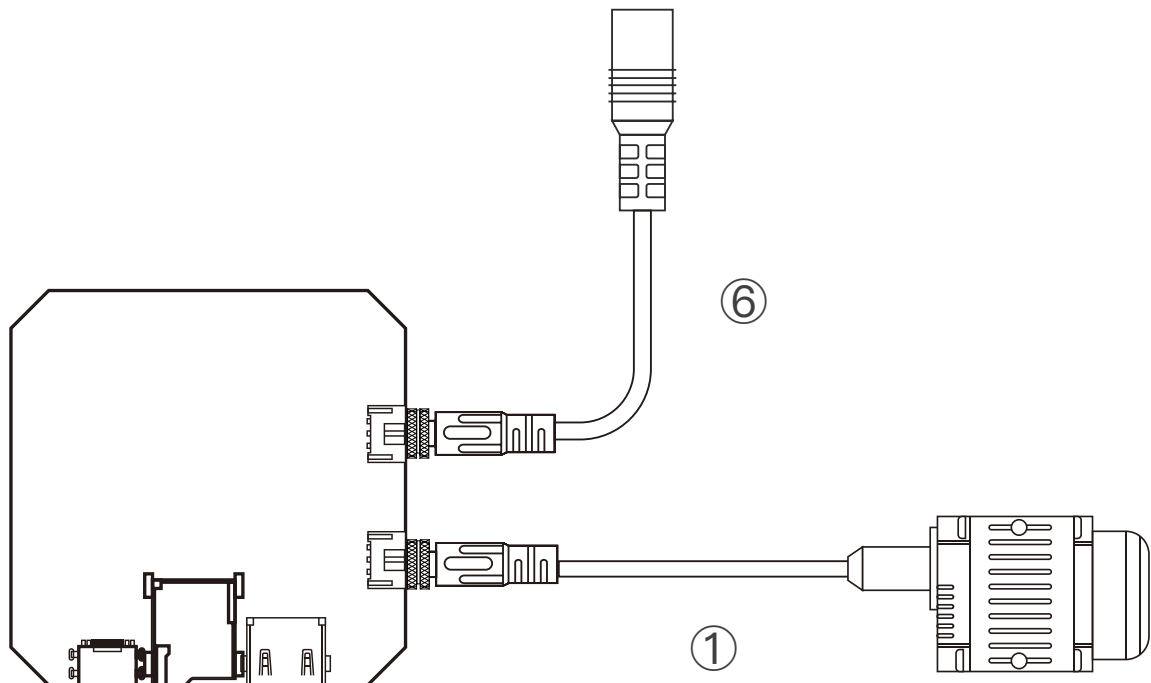
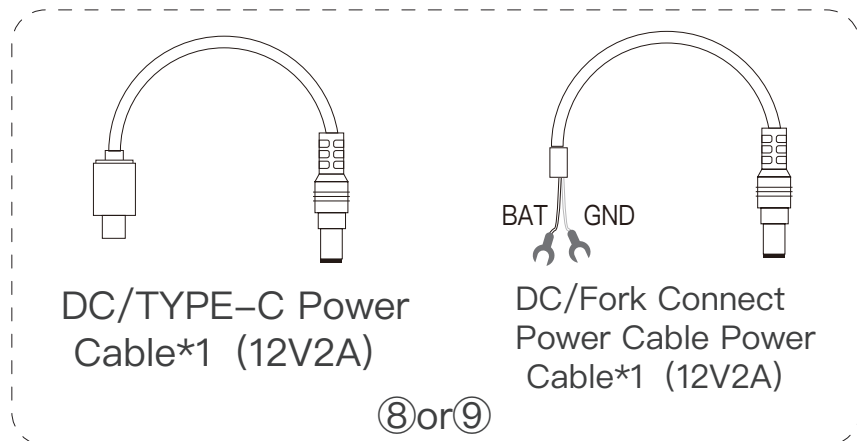


A Duckbill camera bracket (see above, not included) is recommended for mounting on hood of vehicle with suction cup or existing universal mounts.



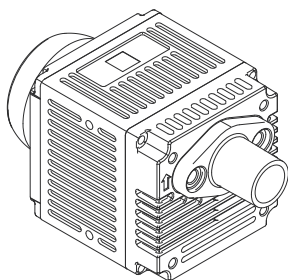
Power sourced from engine bay / fuse box / compatible power bank.

4.3 Connect and Display



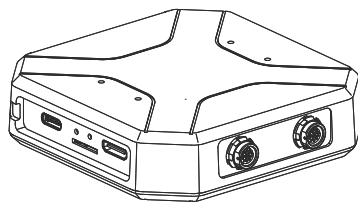
*Camera view display on any mobile device via App

5. For Hiking/Camping



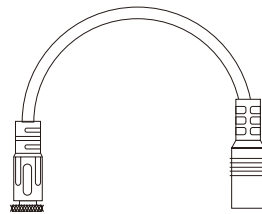
IR Thermal Camera*1

①



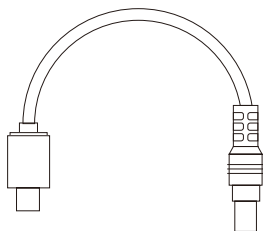
AISEEBOX*1

③



M8/DC Power Cable*1

⑥

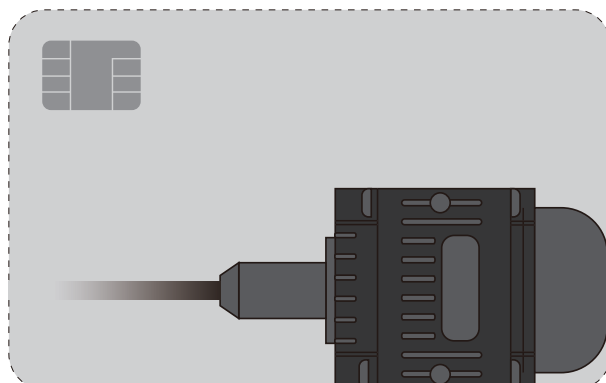


DC/TYPE-C Power
Cable*1 (12V2A)

⑧

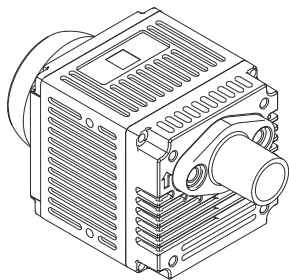
Extral
(9V~32V mobile
power supply)

With cutting –edge technology the ultra–small thermal camera has a cross–section of only about 1/4 the size of a credit card and weighs less than 150 grams. It can be easily carried when participating in outdoor activities such as camping or exploration that require Vision enhancement in low light/low visibility conditions or detection of wildlife. It can be held in hand or mounted on a photography/camcorder stand, and can be viewed in real time and recorded and shared through a mobile phone or tablet.



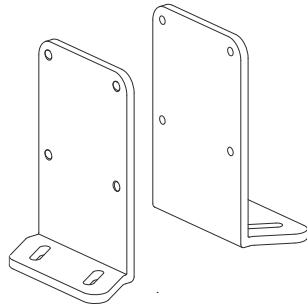
Reference

6. For Ranching/Hunting/Surveillance



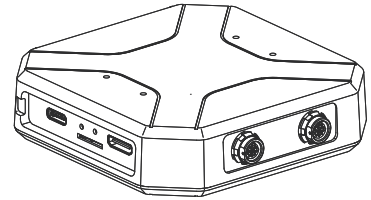
IR Thermal Camera*1

①



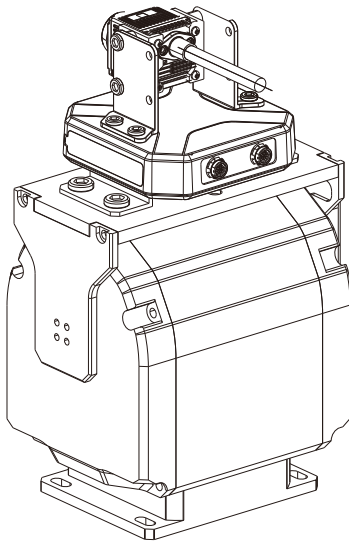
Bracket*2Pairs

②

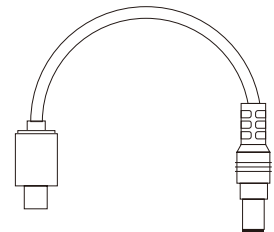


AISEEBOX*1

③



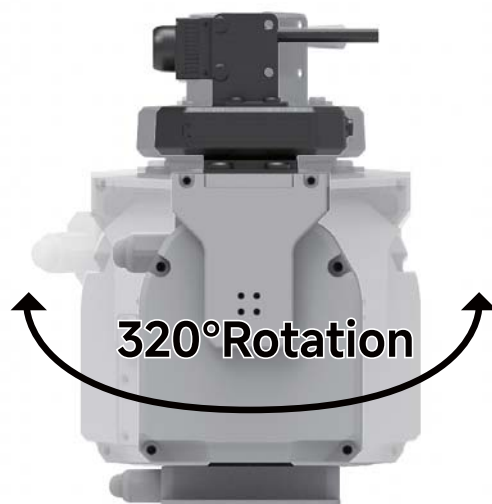
PTZ



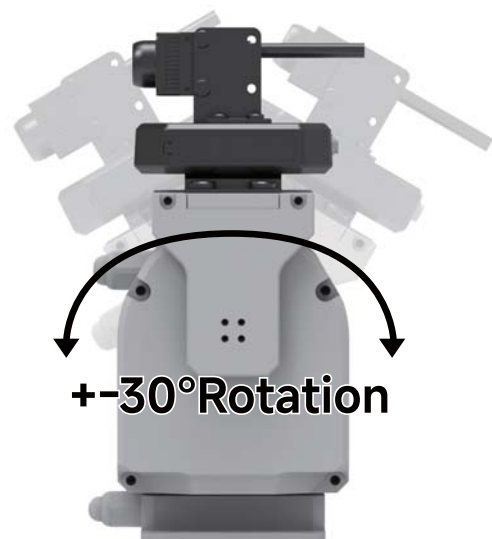
DC/TYPE-C Power Cable*1 (12V2A)

⑧

Lightweight and portable PTZ
designed for vehicle use
(coming soon)



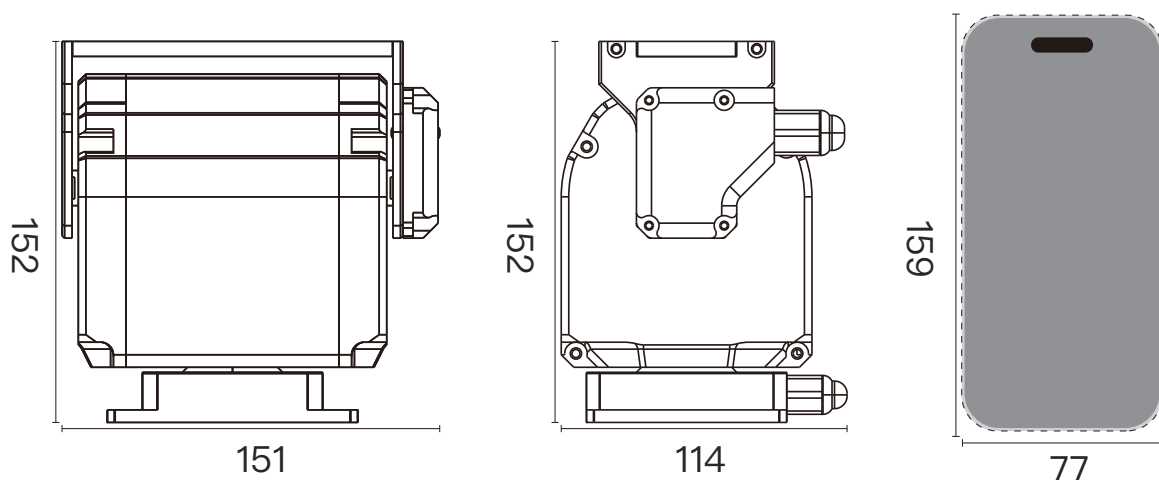
320°Rotation



±30°Rotation

PTZ Size compared with iPhone ProMax

(mm)



7. Specifications

7.1 IR thermal Camera

Model:	P102
Sensor Type :	384*288
FOV:	42°x32
Detect:	≥1200feet/350m
Working temp.:	-4°F~+158°F / -20°C~+70°C
De-icing:	Lens heat up automatically when temp drops close to +35°F/+2°C. to prevent icing.
Power consumption:	≤1W@(12VPower, w/o lens heating) ≤5W@(12VPower, w/ lens heating)
IP grade:	69
Size:	28x28x50mm
Weight:	≤150g

7.2 Image Process System

Model:	AISEEBOX
CPU:	Cortex-A53 Quad-core CPU 1.56hz
RAM:	2GB
ROM:	16GB
BT:	5.8Ghz Dual Mode+BLE
Network:	WiFi2.4Ghz/5.8Ghz Dual Mode
Interface:	UBS-C*1、HDMI*1、TF *1、M8Cable*2、 1/4 thread interface”1
Working temp:	−4°F~+158°F / −20°C~+70°C
IP grade:	64
Size:	86*86*22mm
Weight:	≤125g
Software :	Upgrade supported

8.Display Methods

8.1 Display on OE screen that is Apple CarPlay / Android Auto compatible.



While connected to wireless Apple CarPlay / Android Auto as shown above, music, navigation voice prompts, and phone calls will continue to function in the background when IR image is displayed on screen.

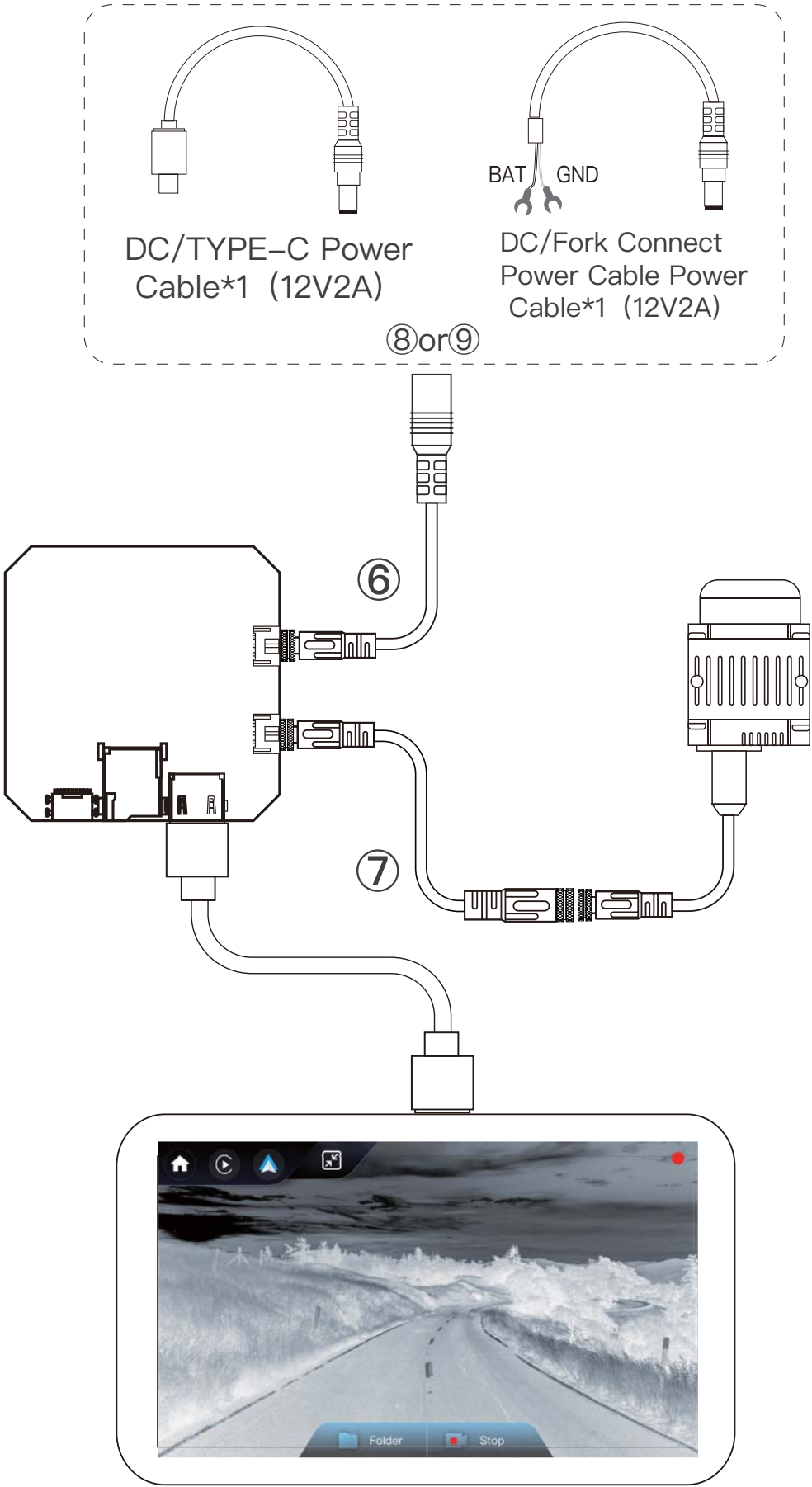
8.2 Display on mobile device (Android/Pad/iOS)

Download Wi-Fi App ,click " connect ", then to go device
" **AiseeIR-****** " using code : **Aa123456**



Scan to download APP

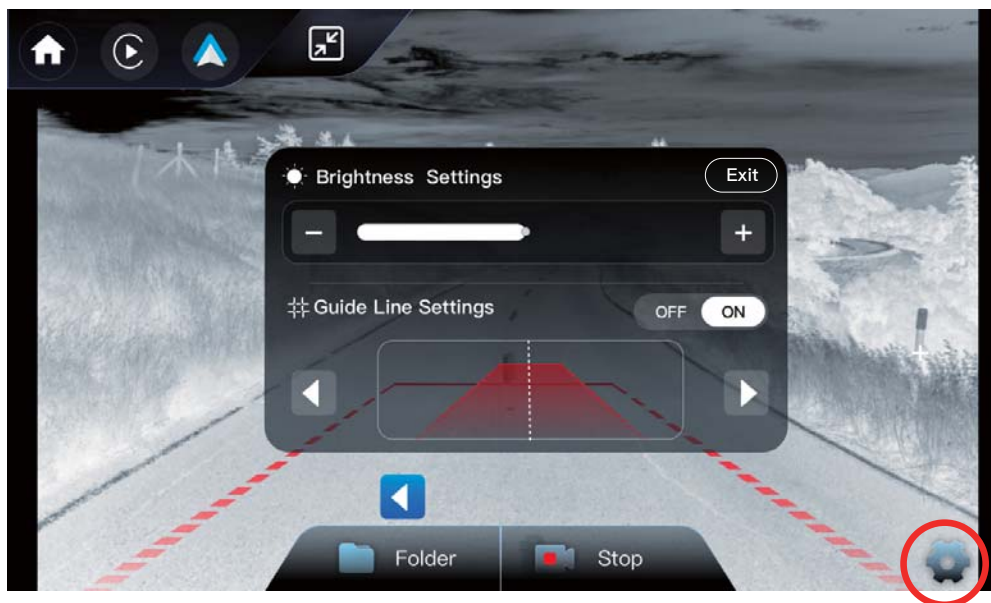
8.3 Display on screen/monitor with HDMI-Input



9.How to install the extra spacer bracket designed for heat. dissipation.



10.(1)How to adjust the image brightness



step 1. Click the setting 

step 2. Select the + or – to adjust the brightness

step 3. Click the Exit or touch any place on screen to quit.

10.(2) How to pop-up and adjust the front guide line



- step 1. Click the system UI 
- step 2. Switch OFF to ON,
- step 3. Select “<” or “>” to adjust position of guide line until it is centered relative to the vehicle. This is important if camera is NOT mounted in the center of the vehicle.
- step 4. Click the Exit or any place in touch screen then quit .

11.Go to www.aiseeir.com and check AISEEBOX software update information .



12. Tips and Warnings

1, For optimal system operation, please allow 30 seconds cool-down period after shutting down before restarting the system.

2, Check Wire connection or contact our dealers for help if there are static lines, discoloration, or any other issues.

3, Only clean Camera lens with glasses cleaning cloth. Do not rinse Camera lens with corrosive or acidic liquids.

4, AiseBOX is rated at IP64. It is not suitable for prolonged exposure to heavy rain or immersion in water.

5, For AiseBOX and IR Camera, any unauthorized disassembly and performance abnormalities from external causes such as impact, chemical corrosion etc. is not covered by the warranty.

For Safe Journey

FCC warning statements:

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 or more 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 to this device not explicitly approved by manufacturer could void your 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.

The device has been evaluated to meet general RF exposure requirement This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.