



# Persee 2

## With System Installation Guide

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# 1. Product Information

## 1.1 Front View



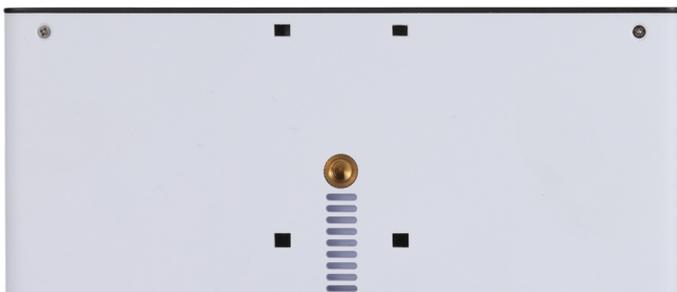
## 1.2 Rear View



## 1.3 Bottom View (with Stand)



## 1.4 Bottom View (without Stand)

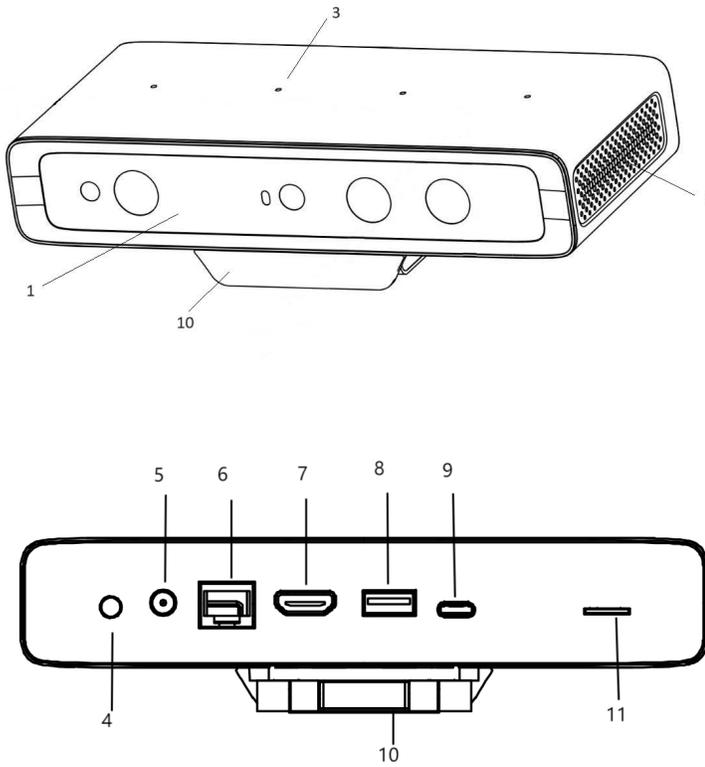


## 1.5 Specifications

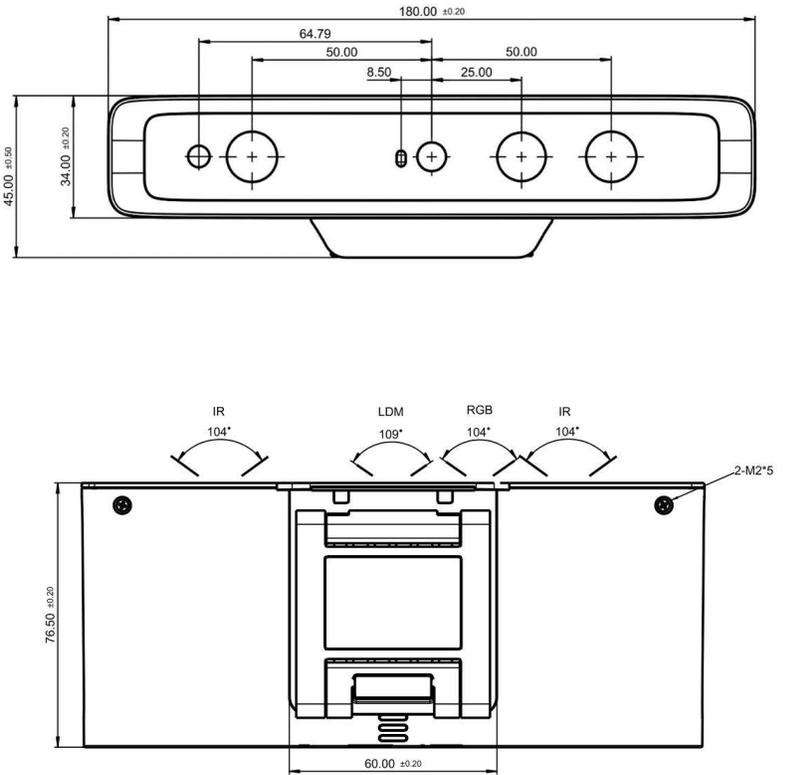
Parameter	Specifications
Range	0.2-10m
Depth Resolution Framerate	Up to 1280x800@30FPS; 640x400@60fps
RGB Resolution Framerate	Up to 1280x800@30FPS; 1280x720@60fps
Depth FOV	H91°, V66°
RGB FOV	16:10: H93°, V68° 16:9: H93°, V61°
USB	USB 2.0 Type-C, USB 2.0 Type-A
Operating System	Android 9.0/ Ubuntu 18.04
Power	Power Adapter (12V/2A)
Operating Temperature	*0°C ~ 35°C <small>*Metal shell of the ports on the back of the camera should not exceed 55 °C</small>
Rating	Class 1 Laser Product
SDK	Orbbec SDK
Processor	Amlogic A311D Quad Core A73+ Dual Core A53 with NPU
RAM	4GB
Storage	32GB eMMC
Micro SD	Up to 128GB
HDMI	HDMI 2.0
Wifi/BT	802.11a/b/g/n/ac, Bluetooth 5.0
Ethernet	RJ45 Gigabit Ethernet
Microphone	4 Microphone Linear Microphone Array
Remote	Infrared
Dimensions (W*H*D)	180mm x 45mm x 76.5mm
Weight	352g

Persee 2 Introduction (continued from previous page):

## 1.6 Hardware Interfaces



## 1.7 Product Dimensions



1	Orbbec Gemini 2 L
2	Air Vents
3	Microphone Array
4	3.5mm Audio Output (with Update Buttons)
5	DC-IN (12V Input)
6	Gigabit Ethernet
7	HDMI Out
8	USB 2.0
9	USB 2.0 Type C (Debug and Firmware Update)
10	Removable Mount
11	MicroSD Expansion Slot

# 2. Preparation for System Installation

## 2.1 Installation Guide for Android/Ubuntu System

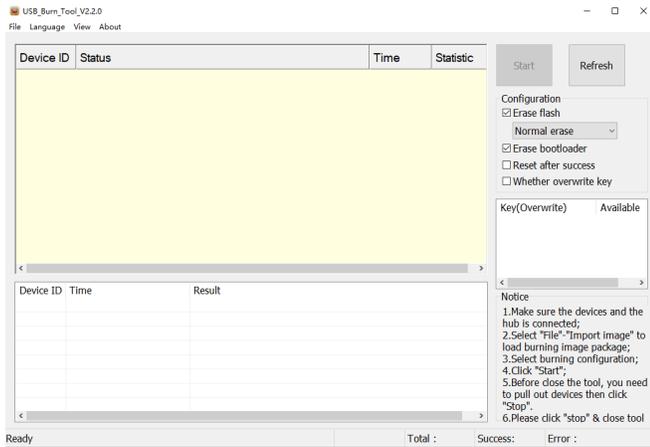
### Configuration Requirements for Computers

- Windows operating system
- Turning off antivirus software may be required
- High-speed USB 2.0 or USB 3.0 interface
- USB Burn Tool installed

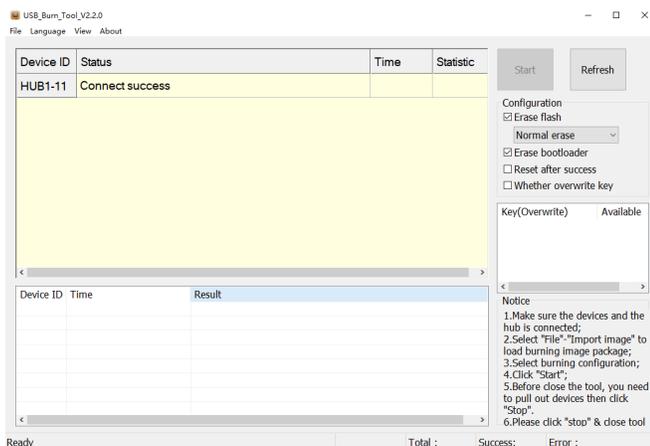
[Click to Download USB Burning Tool](#)

## 2.2 Installation Procedure

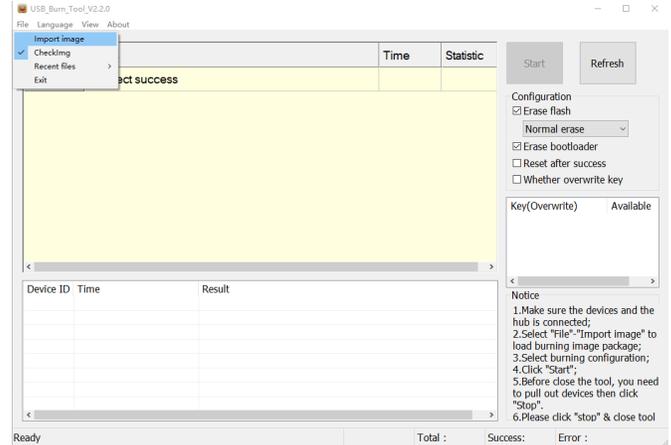
- Open the software "USB Burn Tool V2.2.x"
- Long press the update button (inside the 3.5mm headphone jack)
- While holding the button, use a USB cable to connect the camera to the computer



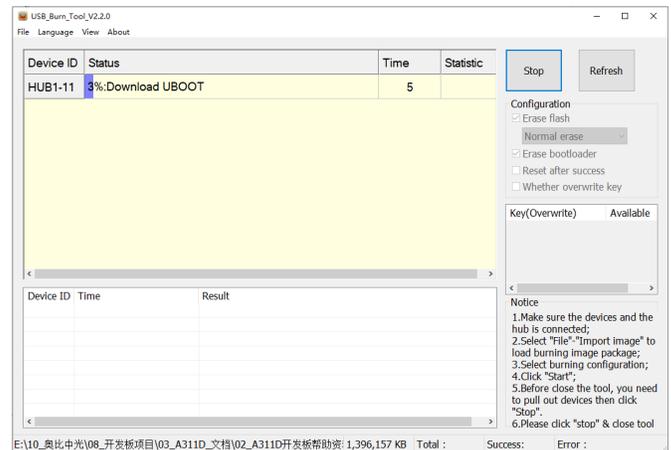
### d. USB Burning Tool successfully connected to camera



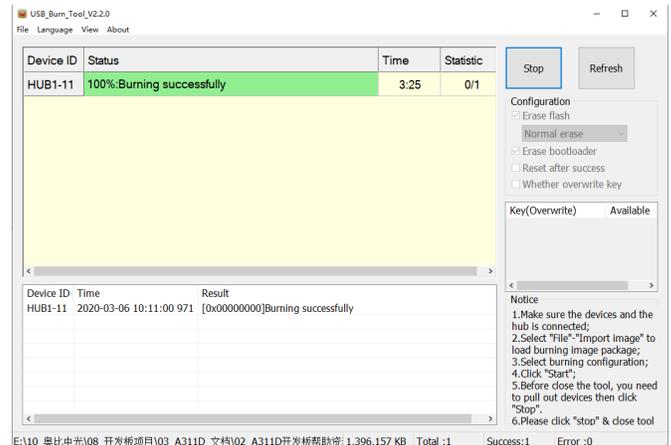
### e. Import System Image (x.img)



### f. Click the start button to start the update process



### g. Complete system installation, click the stop button then close the software



### h. Ubuntu 18.04 Login Information

The default username of the system is 'orbbecc', default password: 'orbbecc'

# 3. System Download

## Android:

[Click to Download Latest Android System Image](#)

## Ubuntu

[Click to Download Latest Ubuntu System Image](#)

# 4. Accessing Android Storage from Computer

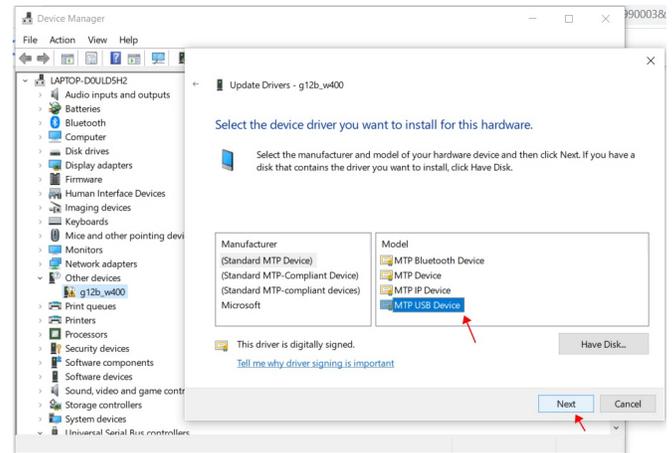
## On Persee 2:

- Connect to the computer via USB Type-C
- Go to Settings, 'Device Preferences' – 'About' – 'Build'
- Click on 'Build' multiple times until a message indicates the 'Developer Options' setting is available
- Go back to 'Device Preferences' and select 'Developer Options'
- Scroll down to find 'USB Configuration' under 'Networking'
- Select MTP (media transfer protocol)

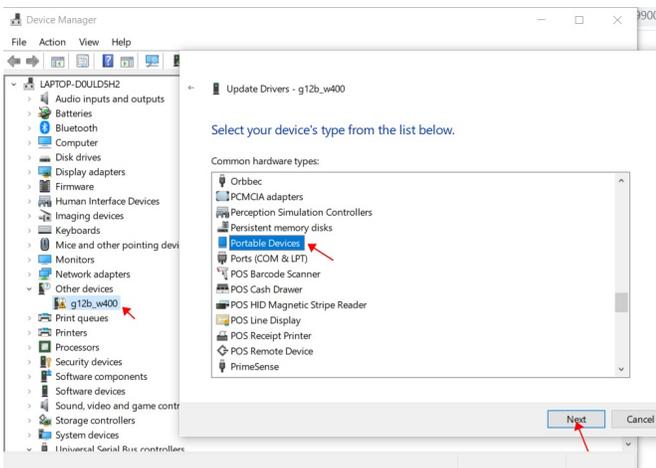
## On Computer:

- Go to Device Manager
- Right click on the device if driver is not already installed and select Update Driver
- Click on 'Browse my computer for drivers', then 'Let me pick from a list of available drivers on my computer'
- Select 'Portable Devices' as shown below

- Select 'MTP USB Device', and click next to install



- The Persee 2 drive should now be visible in File Explorer

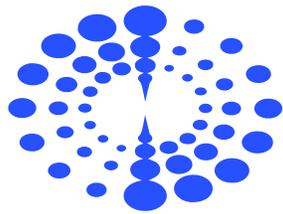


## 5. Packing List

- Persee 2 x 1
- Infrared Remote x 1
- Power Adapter x 1
- HDMI Cable x 1

## 6. Product Certifications

Certifications	Availability	Comments
FCC ID	YES	
TELEC	YES	
CE	YES	
PSE	YES	
RoHS	YES	
Laser Safety	YES	Class 1



# ORBBEC