REALSEE

GALOIS
Instruction

realsee.com

VR SCANNER UDER GUIDE

Features of Galois

- Detailed scanning of environmental information
- 8k pixels
- Depth sensors
- Solutions both indoor and outdoor
- Scanning radius up to 10 metres

Galois Shooting Process

1 Setting Up

- Prepare the Device
- Prepare the Room
- Installation device

Setting Up | Prepare the Device

iPhone

iPhone 7 or above

APP

Realsee VR APP

Tripod

1.3 -1.5meters high

Realsee Galois

Setting Up | Prepare the Room for Shooting

Clean up the room

Turn on all lights

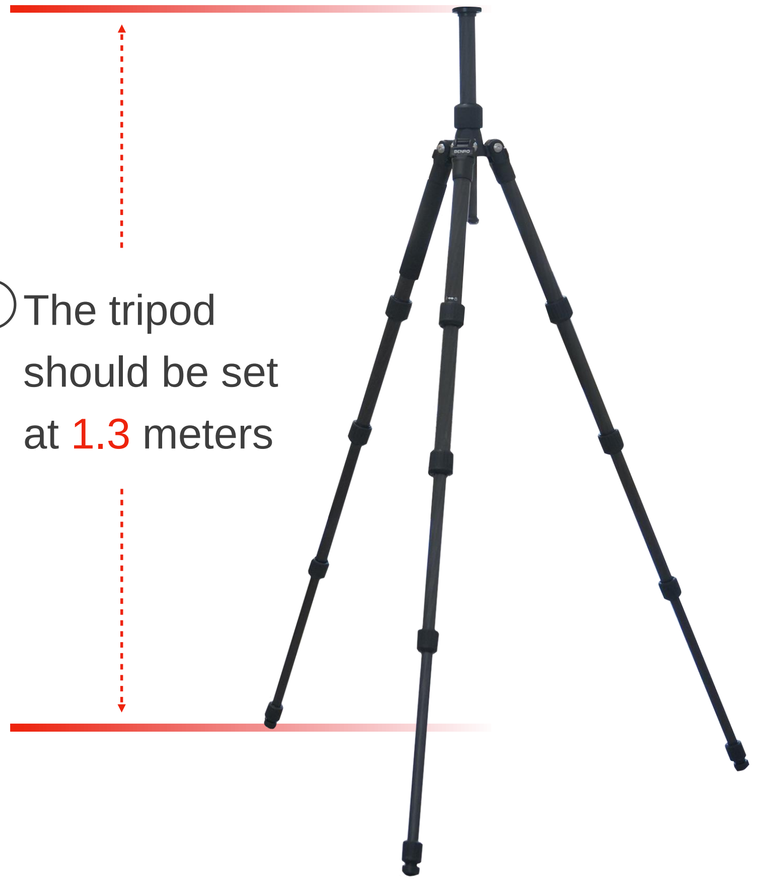
Open all doors

The narrow space needs to open 45°

Open all the curtains

Tips: pay attention to the storage of private items.

Setting Up | Installation device



① The tripod should be set at 1.3 meters

② Attach the camera to the tripod and twist until it does not wobble, but do not twist too hard

Tips: when mounting, hold the camera with both hands and gradually fix it to the tripod.

Galois Shooting Process

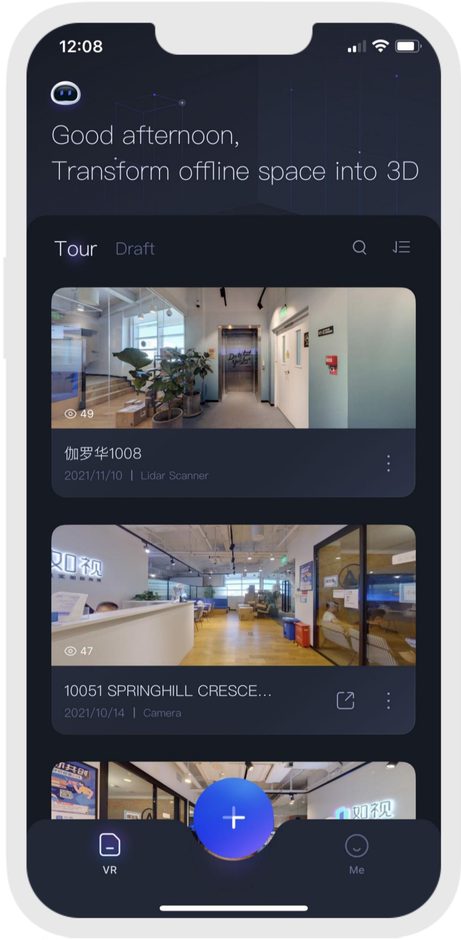
2 Capturing a Space

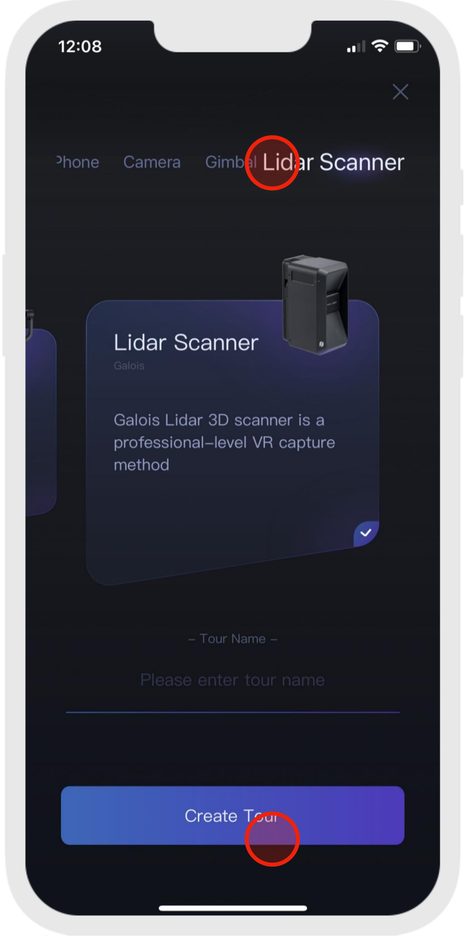
- Creating a new project
- Connection of camera
- Capture
- Point scanning
- Marking features
- Preview/Upload

Capturing a Space

Creating a new project

- Login to the Realsee App.
- Tap on the blue capture icon.
- Select to capture with Gimbal, enter the tour name and add a new tour.

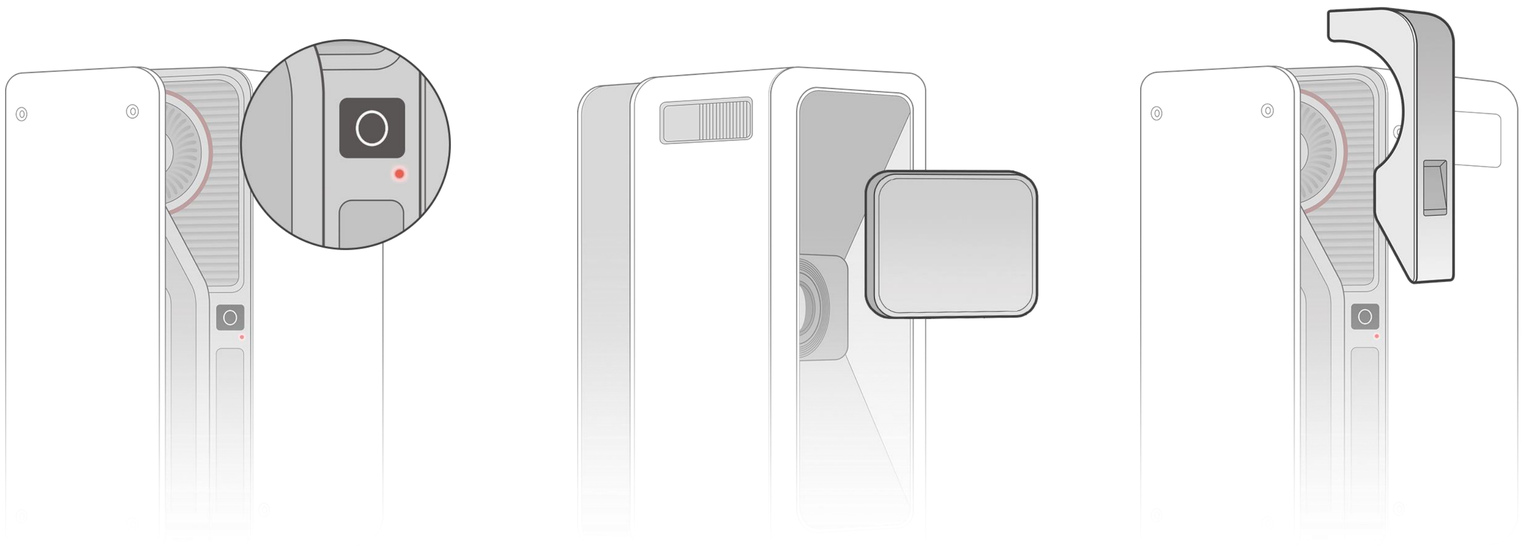




Capturing a Space

Connection of camera

- Press and hold the on button for 2 seconds, then remove both front and side lens covers.



① ② ③

Capturing a Space

Capture

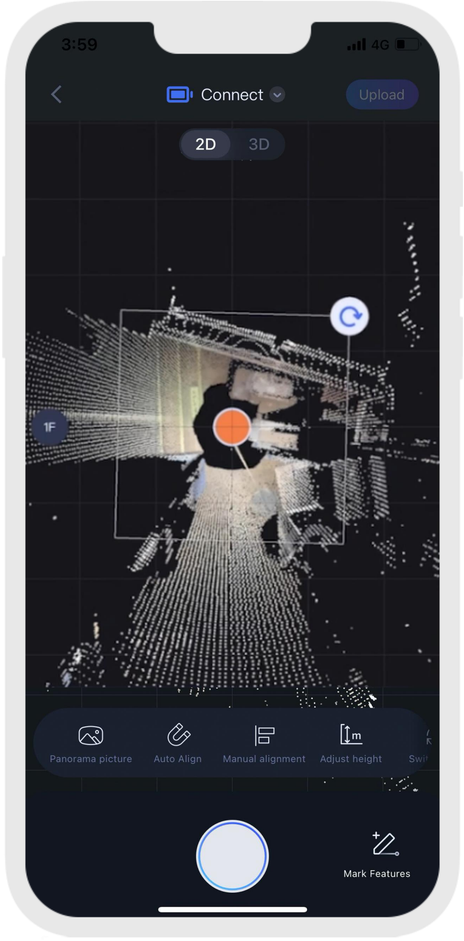
- You can start your scan at the entrance, front door area of a room or house. Or simply start from a relatively empty area
- Move to the next scan point. Scan the whole room according to your path plan.
- Once the data is generated, the point will turn blue and then move on to the next point.

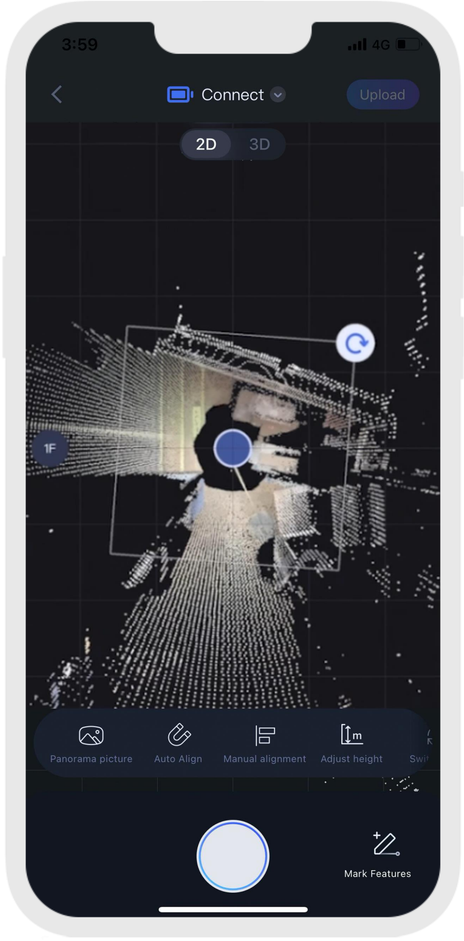
Red point: data being downloaded

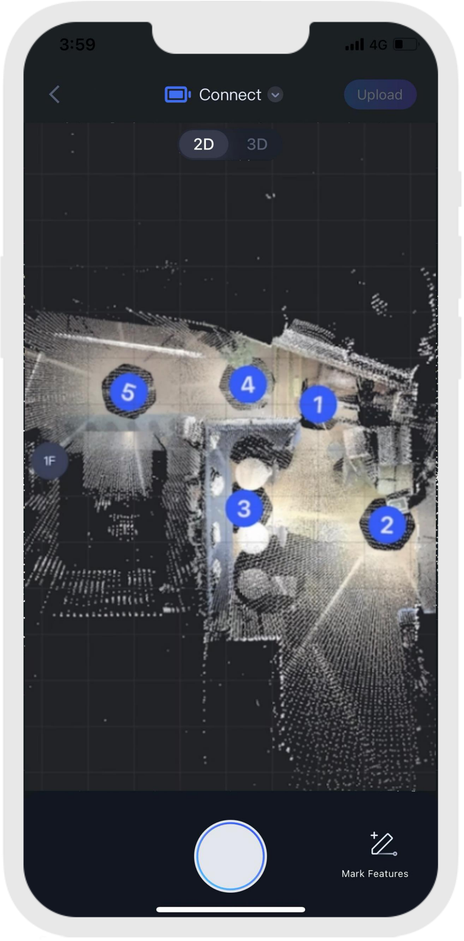
Blue point: data have been downloaded

Note:

Do not block the lens or radar during capturing.



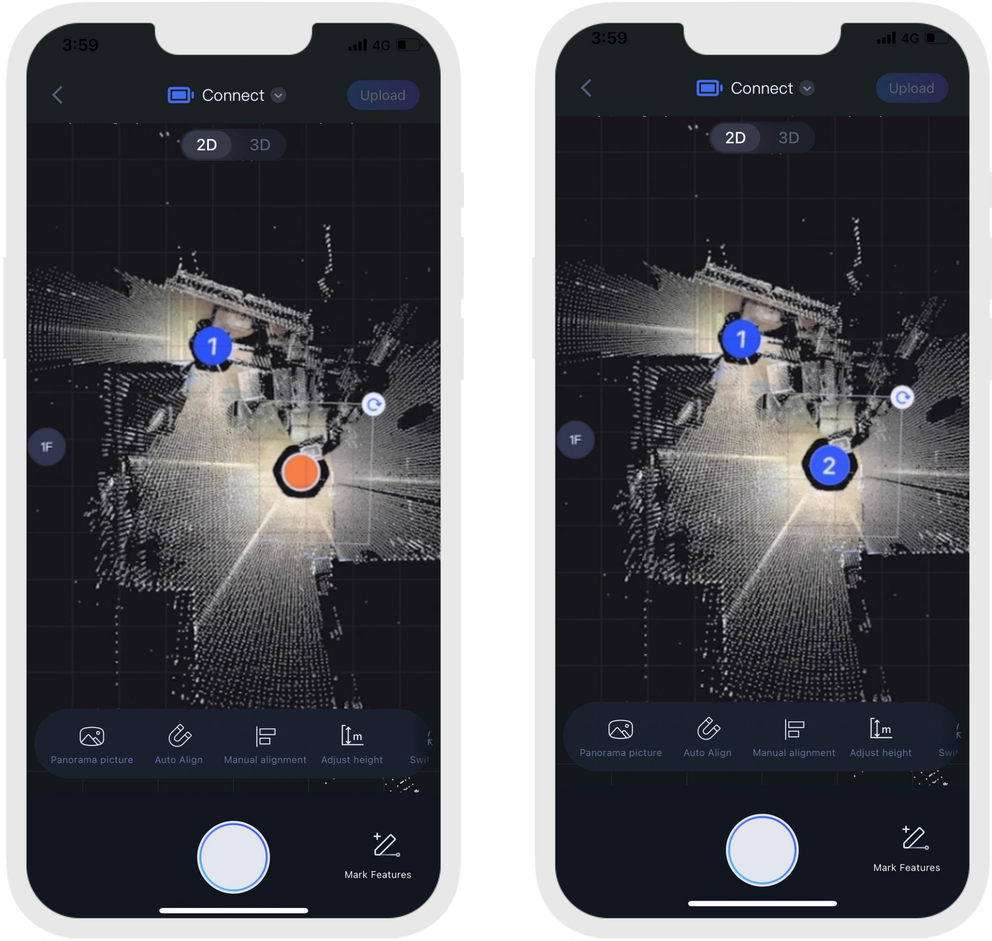




Capturing a Space | Point scanning

- Starting with the first point, align the points using 'Manual Alignment' or ‘Auto Align’.

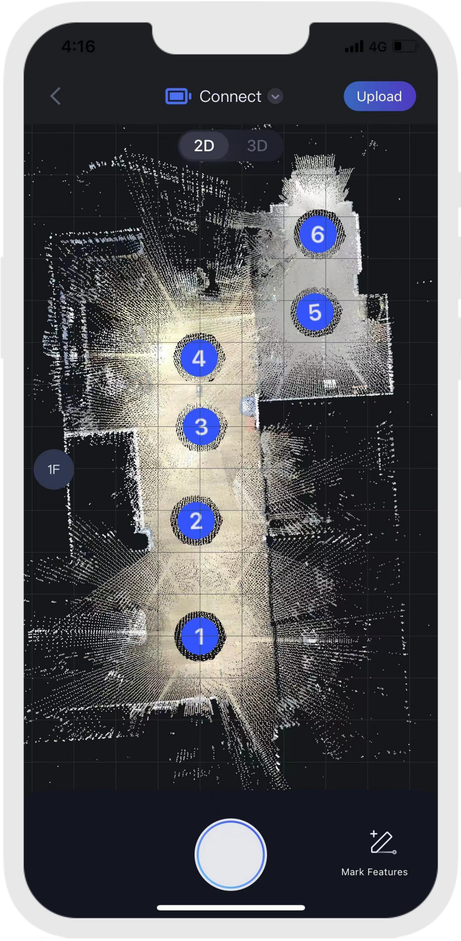
Note:
When aligning manually, choose an easily recognisable reference to make alignment easier.
When capturing stairs, you will also need to align the height.

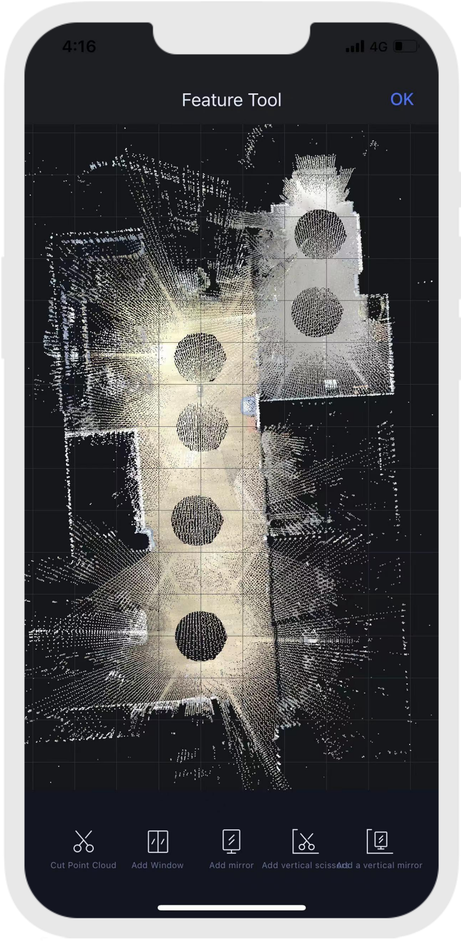


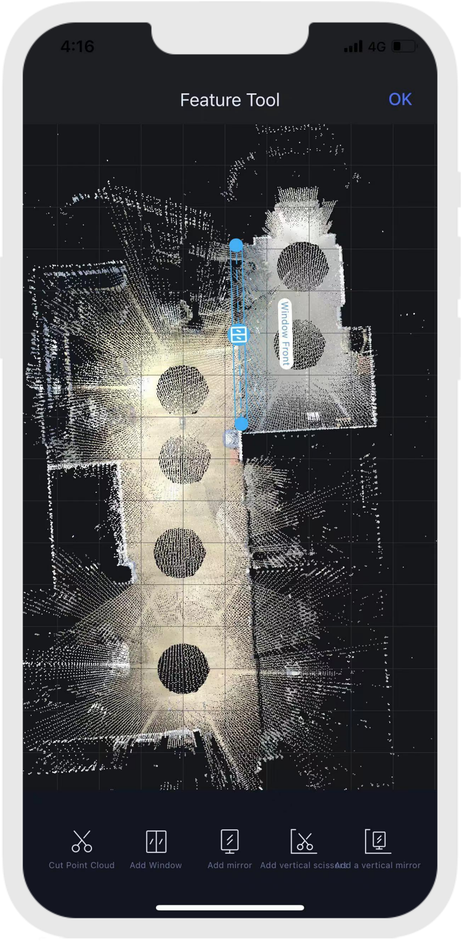
Capturing a Space | Mark Features

Add mark features in spaces with mirrors or glass.

a. Cut point cloud: cut redundant point cloud in the horizontal direction
b. Add window: add mirror feature where there is a window
c. Add mirror: add mirror features where there is a mirror
d. Add vertical scissor: cut redundant point clouds in the vertical direction



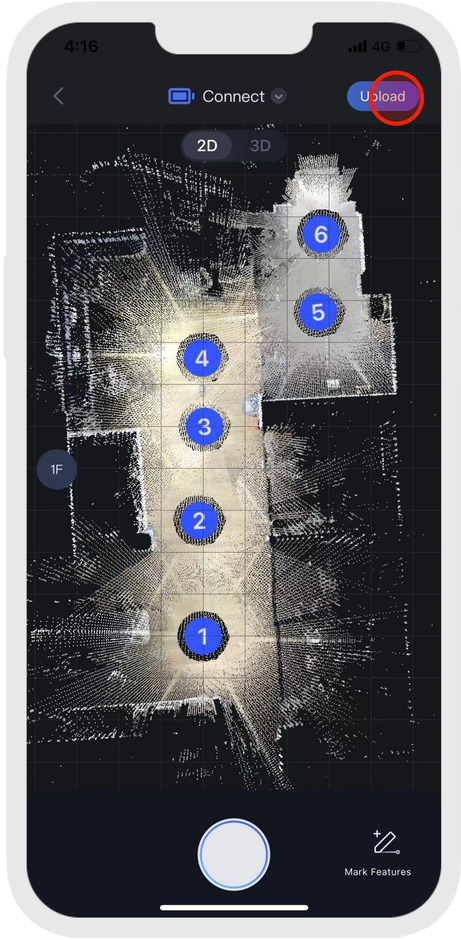




Capturing a Space | Preview/Upload

- After shooting, preview to make sure that points are not missed and that points are aligned.

Note:
Once capturing is complete, you can leave the site and upload the data in an office or home Wi-Fi environment with good internet access.



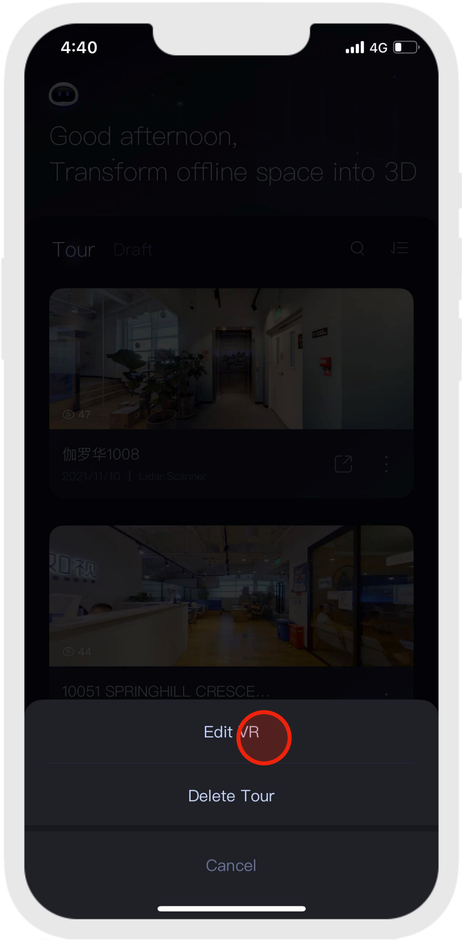
Galois Shooting Process

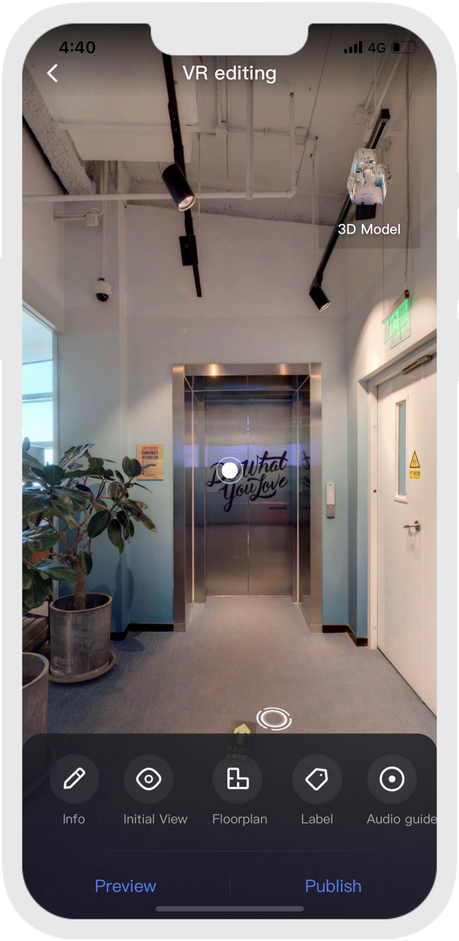
3 Editing

- APP editing
- Workshop editing

Editing | APP editing

- Info: edit Project name, VR tag, Address, Space introduction etc.
- Initial view: set the initial point after entering the VR
- Floorplan: preliminary editing of the floorplan, including: adding doors and windows, changing room names
- Label: add text labels (Maximum 15 characters per label)
- Audio guide: add pre-recorded content



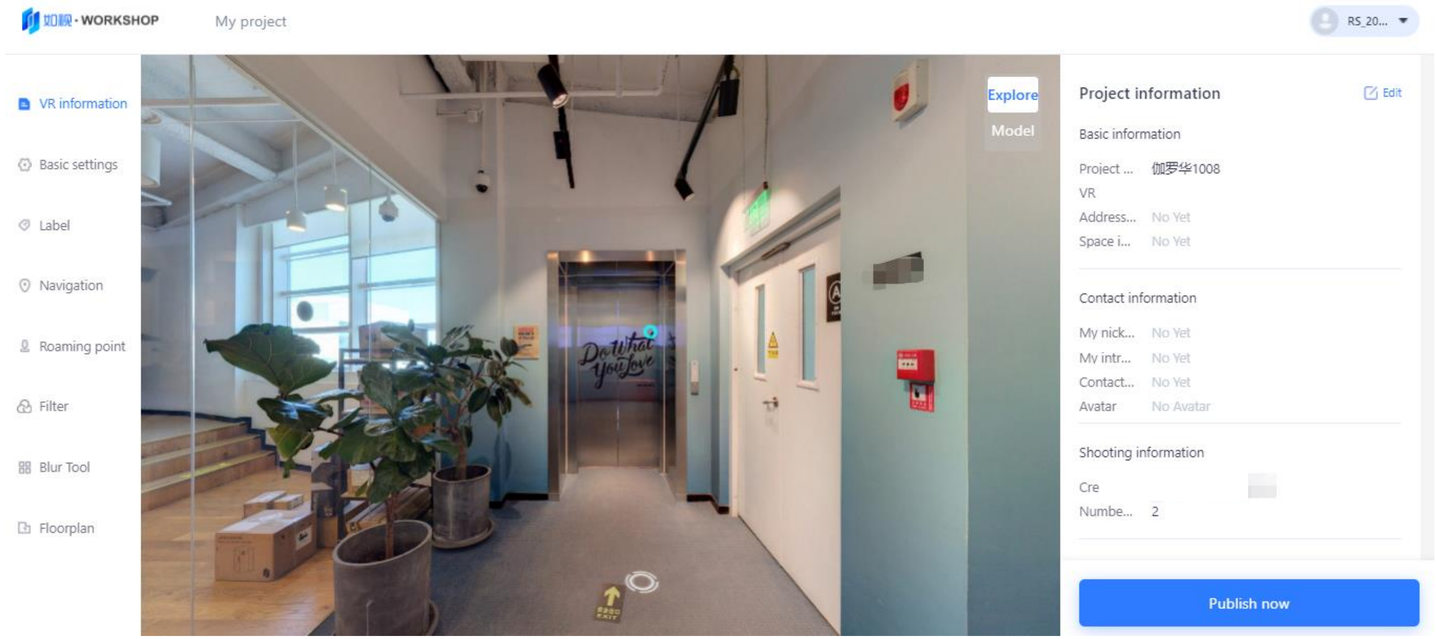


Editing | WORKSHOP Editing

- PC website: https://new-workshop.realsee.jp/

  Note:

  Account and password are the same as logging into Realsee VR APP.
- VR information: edit Project information, contact information, shooting information etc.
- Basic settings: set the initial point after entering the VR and add BGM
- Label: add text label and multimedia label (1 audio file, or 5 video or image files) Navigation: avigation creates a ‘flythrough’ for a VR tour
- Filter: filter can alter the light contrast seen during the tour
- Blur Tool: blocks sensitive items or features from view during a tour

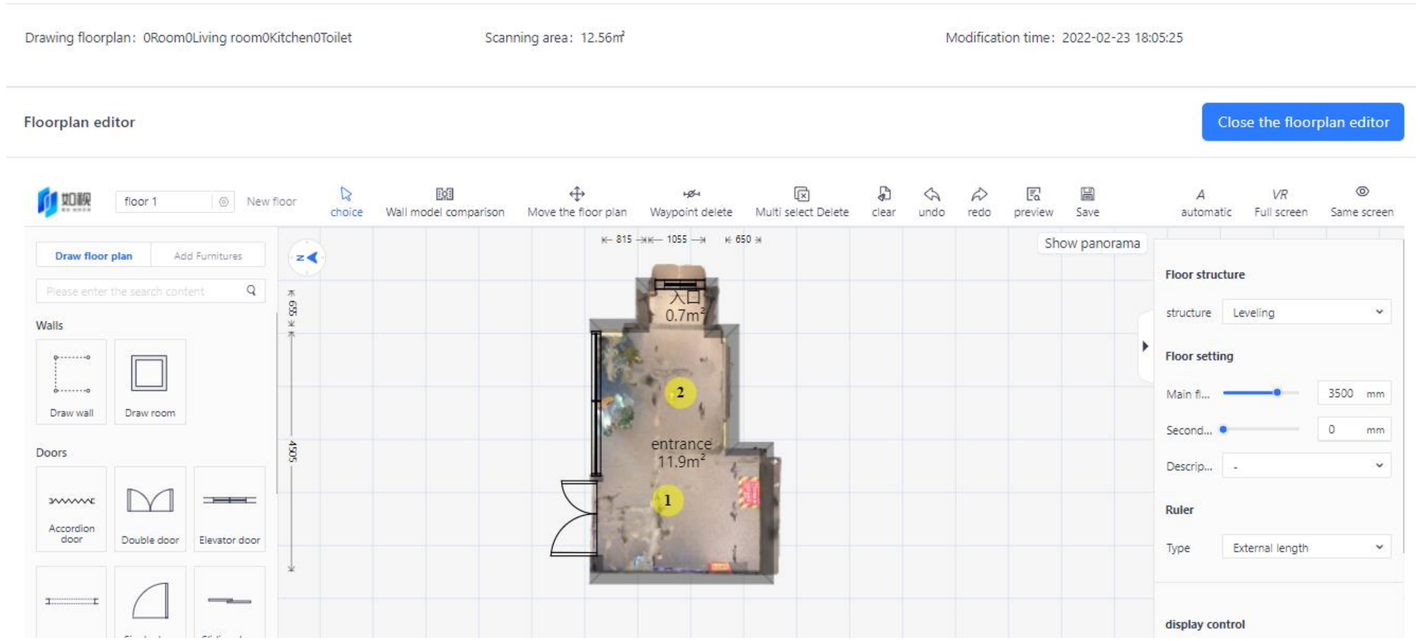


Editing | WORKSHOP Editing

- PC website: https://new-workshop.realsee.jp/

  Note:

  Account and password are the same as logging into Realsee VR APP.
- Floorplan: edit floorplan for your VR tour



Thanks

FCC Statement

1. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

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

NOTE:

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.

Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 20cm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.