Evaluation Kit
Quick Start Guide

(1) Create Wi-Fi Hotspot

Configure a Wi-Fi Hotspot using the name "**Calumino**" and the password "**Calumino_EVK123**"

Note: iPhone users will need to change the device name in Settings > General > About > Name.
Ensure "Maximize Compatibility" mode is enabled.

Wi-Fi hotspot

Use Wi-Fi hotspot ⬤ ON

Hotspot name:
"Calumino"

Hotspot password:
"Calumino_EVK123"

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(2) Power the EVK:

Connect the EVK to a suitable transformer (5V, minimum 1A) using the 5m USB cable provided.

(a)

(b)

USB

5v, 1A (minimum)
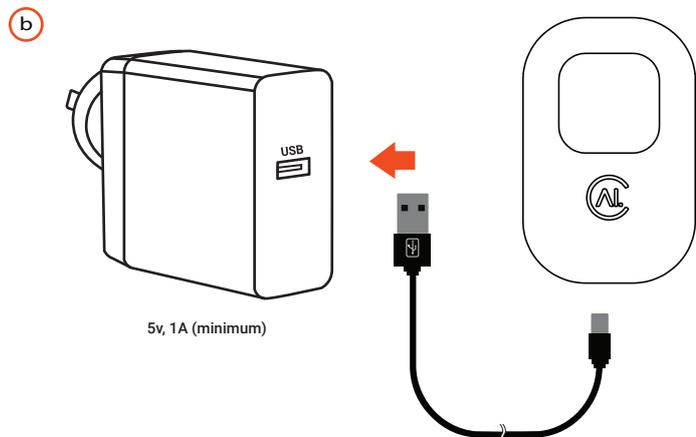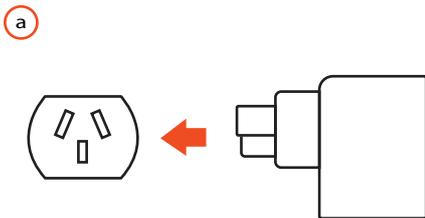
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③ Connect to the Web Visualiser

ⓐ

W W W

ⓑ **https://demo.thermal.ai**

ⓒ
Thermal.ai

Email

Password

ⓓ

ⓔ
Select Device
Device name

Select tool
Web visualiser

Connect

ⓕ

G: (6,3)

7: (19,11)
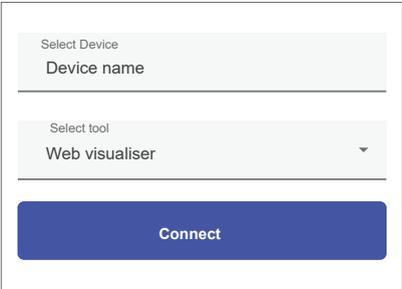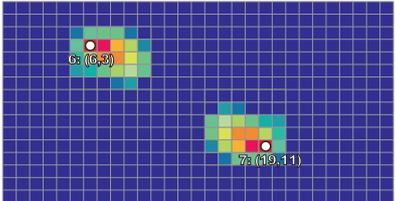
④ Prepare the Scene

Ensure the scene is free of people and hot objects for the first 90 seconds allowing the sensor to generate a correct reference image.

Ensure the long axis of the sensor is aligned with the long axis of the room. See step 5 for details.

Please contact support@calumino.com for more information
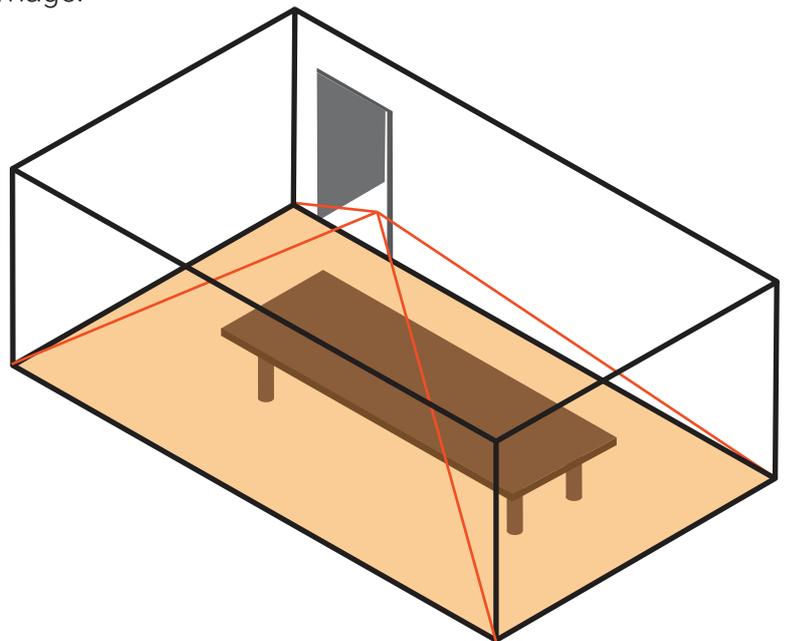
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5 Physical Installation:

For Occupancy counting, the EVK should be mounted central to the room.
For Door-Counting applications, please mount the EVK in accordance with the table below.

Long Axis

Short Axis

Distance from Door

Ceiling Height (Z)

People Flow

Door Zone

Long Axis (X)
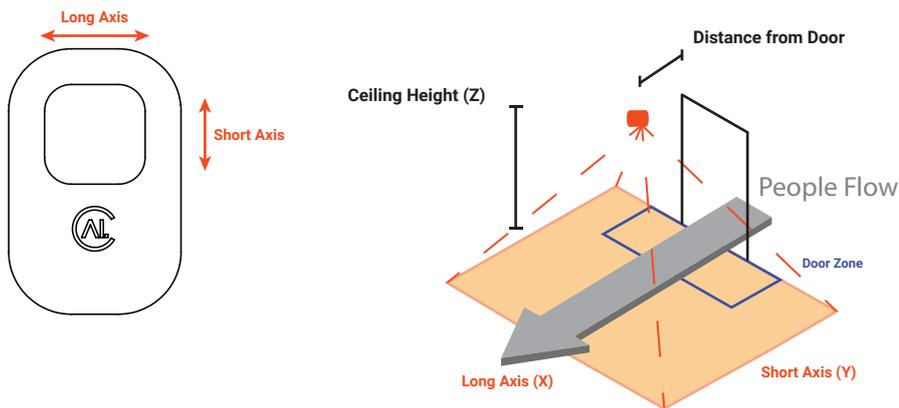
Short Axis (Y)

Sensor Coverage Area

Ceiling Height (Z) [m]	Long Axis (X) [m]	Short Axis (Y) [m]	Distance from Door [m]
2.0	5.0	3.0	0.75
2.5	6.0	4.0	1.0
2.7	6.4	4.4	1.125
3.0	7.0	5.0	1.25
3.5	8.0	6.0	1.5

6 Install the EVK onto mounting bracket:

a

b

c
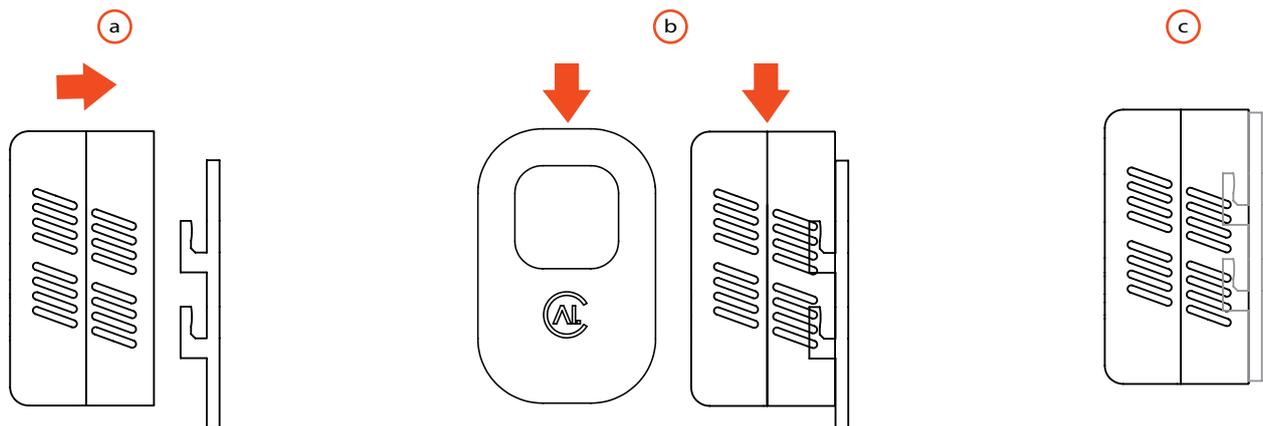
Push the EVK onto the mounting bracket with the hooks pointing away from the USB port

Slide the EVK down the mounting hooks, pushing the top of the EVK.

The EVK should snap gently into place and be secured to the bracket.

Please contact support@calumino.com for more information

Troubleshooting Guide

Should issues be encountered while using the EVK, please follow this guide to quickly identify and resolve them.

The EVK does not produce a stream on the Web Visualiser:
- Confirm that the USB cable is firmly plugged into the EVK, and that the transformer is connected to a suitable power source.
- Confirm the power outlet is working with another appliance or device.
- Ensure the hotspot credentials are correct and the wireless network is active.
- Confirm in the hotspot settings that the EVK is getting connected to the hotspot.

Counting performance is not as expected:
- Reboot the EVK with an empty scene, and ensuring the scene remains empty for 90 seconds to allow the device to determine a reference image.
- Update the EVK to the latest available firmware.
- Set required exclusion zones to eliminate the effect of reflections, direct sunlight and extremely hot or cold surfaces.

Device/Web Visualiser lagging
- Restart the device, and ensure the scene remains empty for 90 seconds to allow the device to determine a reference image.
- Close all other web browser windows and tabs before refresh the tab containing the web visualiser.
- Remove any other devices from the mobile hotspot network.

Reporting an issue:
So that we can provide the best customer support possible, if you are still encountering any issues while evaluating the EVK, please contact support@calumino.com with the following information:
- Describe the perceived error:
  - Expected behaviour vs. Observed behaviour
  - Provide as much information as possible:
    - Photos, videos, screenshots will all make it easier for us to troubleshoot.
  - Time and date of issue occurrence
  - Describe the installation environment:
    - Ambient temperature, Window locations, reflective surfaces etc.
    - Use case (Occupancy or Door Counting)
    - Geographical location of the evaluation
    - Room / space type
    - Installation height