

ONSIGHT CUBE HOW TO:

USE BODY THERMAL MODE

The Onsight Cube and Connect software can be used as an effective and safe method of screening for elevated body temperature. This step-by-step guide includes best practices and steps to properly set up and use the solution.

Step 1: Download and install the latest version of Onsight Connect to your mobile device or PC and the latest firmware version for the Cube.

Onsight Connect download page:
<https://librestream.com/onsight-support/>

Download the software for either your PC, iOS or Android device.

ONSIGHT CONNECT V11.4

Windows v11.4.1(10772)

⊕ Downloads and Updates

⊕ Manuals and Guides



Android v11.4.1(10774)

⊕ Downloads and Updates



iOS v11.4.1(10776)

⊕ Downloads and Updates



On the same download page, information for the Cube can be found under the Onsight Cube section.

ONSIGHT CUBE V2020.4.22.1231

⊖ Downloads and Updates

[Onsight Cube Software Updates](#) (MODAL)

⊕ Manuals and Guides



Step 2: Determine Thermal Imaging Environment Staging Area

Thermal imaging should take place in a controlled indoor environment with a regulated temperature between 20° to 24° C or 68° to 75° F and a humidity level below 50%. This staging will minimize environmental effects which can alter skin temperature or induce sweating in human subjects.



Step 3: Create a Screen Procedure

When using the Onsight Cube to take thermal images of faces, a separation distance of 1 meter between the Cube and the subject is ideal. Here are additional tips for consideration:

- Do not place materials between the Cube and subject, e.g. glass objects and plastics can block infrared radiation.
- Do not work directly under forced air ducts or high intensity indoor lighting including direct sunlight.
- Do not place the subject in front of a window or a metallic and/or reflective wall.
- Conduct one subject at a time in a single file operation.
- If necessary, consult with regional health authorities and infectious disease agencies for guidance and assistance.

Step 4: Utilize a Reference Source

The recommended solution requires a temperature reference device to provide screening consistency and simplicity of operation. A thermal reference is a fixed-point source of infrared radiation with a known temperature and emissivity. The thermal reference and person should both be included in the field of view of the Cube camera. The thermal reference target should be set to 35°C / 95°F to identify relative temperature differences.

The Onsight body temperature mode is calibrated to distinguish relative temperature differences in steps of +/-0.6°C or +/-1.1°F. By comparing the color of the temperature range to the reference source with the temperature color of the subject, you can receive an accurate relative temperature.

Step 5: Launch / Login to Onsight & Pair with the Cube

Make certain Bluetooth is enabled on your Windows tablet or Smartphone device, then launch and login to Onsight Connect.

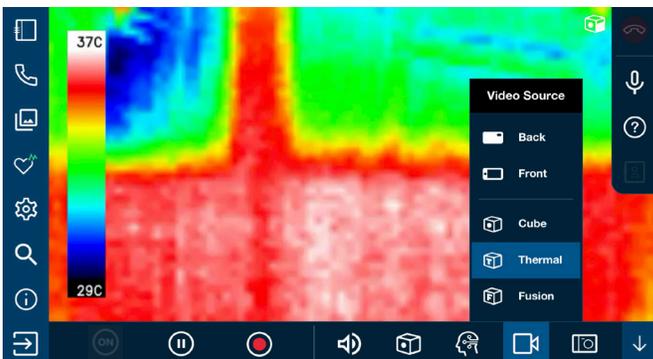
Place the Cube and Tablet/Smartphone close to each other as shown below to allow pairing. You will hear several audio prompts. You may also be prompted to join a WiFi network. If so, select **JOIN**.



A final audio prompt will say your Host device (i.e. Windows tablet or Smart device) and Cube are now paired. A Cube icon will display at the top right of the screen indicating pairing between the two devices was successful.

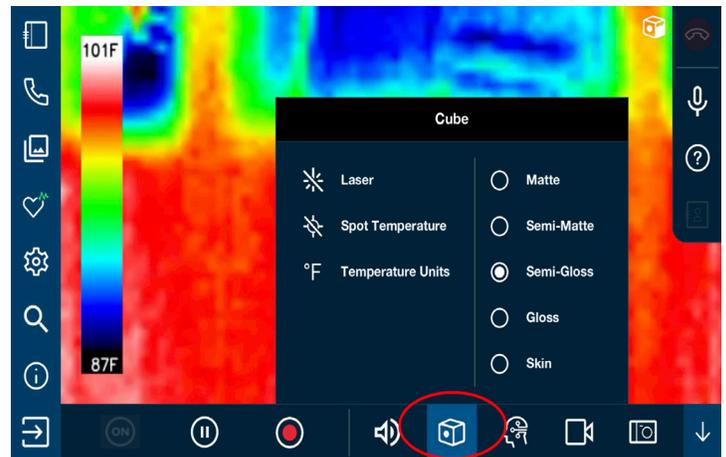
Step 6: Enable Body Thermal Mode

From Onsight, click/tap the **Video Source** button and choose either **Thermal** or **Fusion**.



Step 6: Enable Body Thermal Mode (continued)

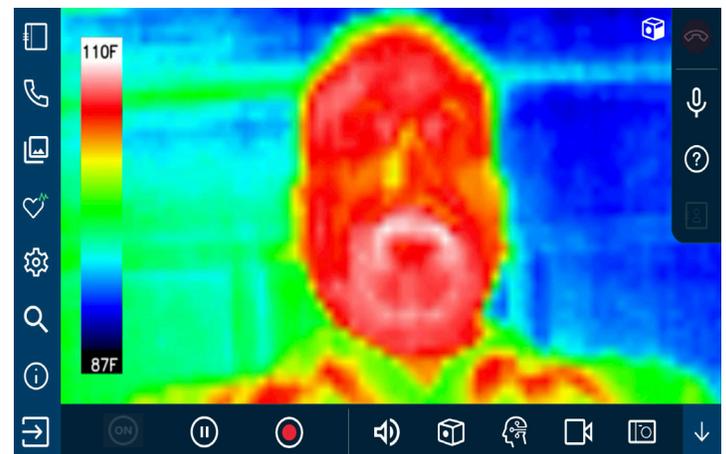
Click the **Cube** button and slide the vertical emissivity bar to **Skin**.



An onscreen color bar on the left indicates the body temperature range to guide relative temperature comparisons. The body thermal mode color reference color bar consists of 16 segments, indicating temperature differences in steps of +/-0.6°C or +/-1.1°F.

Step 7: Begin Monitoring Body Thermal Temperature

You do not have to take an image. You can monitor within live video.



Step 8: Determine Screening Next Steps

When an elevated body temperature is identified, the individual is guided through a secondary screening process that could include a medical instrument such as a thermometer.

IMPORTANT:

The color of the thermal reference may change over time. You need to be sure to always use the current color of the thermal reference as the baseline even as it changes.