

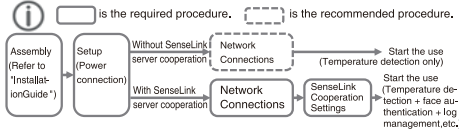


SenseThunder-Mini Quick Start Guide

Thank you for purchasing Japan Computer Vision's Sense Thunder-Mini. This Quick Start Guide provides the information on how to operate SenseThunder-Mini and the precautions for handling safely. Please read before use. After reading this manual, please keep it for future reference.

*In this manual, SenseThunder-Mini is referred to as "Product" except for some descriptions.

Before starting to use



Setup

- 1-1 Connect the PoE injector (sold separately) to the wall outlet.
- 1-2 Connect the LAN cable wired from the product at the time of assembly to the "PoE/DATA" port of the PoE injector (refer to the following example), then the product will automatically start up and will display the temperature detection screen.



How to see the temperature detection results



*Depends on temperature detection distance setting. *Only when mask wearing detection is ON. *Depends on abnormal temperature threshold setting.

Customize settings

Following the procedures of 2-1, 2-2, access the setting screen, and tap "System Settings" to display the setting item list.

- Temperature detection**: Select the presence/absence of temperature detection by thermography.
- Temperature alarm threshold**: Set the temperature to be judged as abnormal.
- Deny access when reaching an abnormal temperature**: In the OFF setting, even if the temperature is abnormal, the door unlocking signal is output when the face authentication passes.
- Thermographic display**: Select the presence/absence of the thermography screen display on the lower right of the face authentication screen.
- Room temperature**: Corrects measurement results according to the temperature of the installation environment.
- Temperature detection distance**: Set the distance for temperature detection.
- Alarm tone for when the temperature is abnormal**: Select the presence/absence of an alarm tone when the temperature is abnormal.
- Fast detection mode**: ON: Temperature detection only. OFF: Both face authentication and temperature detection are performed.
- Temperature normal access permission** (Selectable only when high-speed detection mode is ON): ON: The temperature is normal and the door unlocking signal is output. OFF: Door unlocking signal is not activated.
- Mask detection**: Select whether to perform mask detection.

SenseLink Cooperation Settings

- This setting is only for customers working with the SenseLink server. This setting is not required when operating without server cooperation (temperature detection only).
- 5-1 Refer to "SenseLink Installation Manual" to build the SenseLink server. Since the SenseLink side cannot register the device, perform the initial setting and the device registration as follows.
- 5-2 The product must be connected to WLAN or Ethernet network in advance. (Refer to 3-1 to 3-6 for instructions on connecting WLAN.)
- 5-3 Following the procedures of 2-1, 2-2, access the setting screen in and tap "Logout".
- 5-4 Tap the gear mark on the upper right of the screen.
- 5-5 Tap "SenseLink Enterprise".
- 5-6 Enter the SenseLink server address and tap "Save" in the upper right twice.
- 5-7 Return to the screen of (4) enter the SenseLink login information, and tap "Log In".
- 5-8 Enter the device name and installation location and tap "Next". (The information entered here is also registered with the SenseLink server.)
- 5-9 Select face authentication mode and tap "Finish". (When using the temperature detection function, the authentication range is the same in either option.)
- 5-10 The setting is completed when the thermography screen is displayed.

For proper use

- Do not drop, hit or throw the product into fire or water. It may cause fire, electric shock, or injury.
- Do not disassemble, modify or repair the product. It may cause fire, electric shock, or malfunction. For those cases, it will not be covered by the warranty.
- Do not place the product in the following locations:**
 - Areas exposed to rain or wind, such as outdoors
 - Small, closed space exposed to direct sunlight
 - Areas with high temperatures, such as near heating appliances
 - Places with high humidity or condensation
 - Areas that are not flat or subject to vibration
 - Place where a magnetic field is generated, such as near a magnet
 - Dusty places
- If a foreign object, such as water, dust, or metal fragments, enters the product, stop using the product immediately and disconnect it from the power supply. It may cause a fire or an electric shock.
- If there are abnormalities, such as heat, smoke or an unusual odor, stop using the product immediately and disconnect it from the power supply. It may cause fire or electric shock.
- Clean with a soft, dry cloth. As the thermal imager is made of a special material, do not use solutions such as alcohol for cleaning.
- For correct temperature detection, the product needs to be installed and operated in the following operating environment.

- Install indoors**
- Keep the operating temperature range** (17-30 °C)
- At a wireless place** (Thermocamera must not be exposed to wind.)
- Avoid direct sunlight**
- Avoid heat/lighting** (Do not allow sunlight, lighting, heating appliance, hot devices, or floors/walls exposed to direct sunlight on the thermography screen.)
- Wait until acclimating to the room temperature** (People coming from outside should wait for about a minute or walk about 10 meters in a well air-conditioned space.)
- At the right distance** (Detect temperature at a distance following the temperature detection distance setting.)

How to access the setting screen

- 2-1 Press and hold the temperature detection screen for 3 seconds.
- 2-2 Enter the password and tap "OK".

Network Connection Settings

- If you do not use SenseLink server cooperation, you can automatically update your software to the latest version by connecting to the network. A network connection is also required to connect to the SenseLink server.
- 3-1 Following the procedures of 2-1, 2-2, access the setting screen and tap the "Close the application".
- 3-2 When the Android home screen is displayed, tap the ^ mark at the bottom of the screen.
- 3-3 Tap "Settings" from the applications list.
- 3-4 Tap "WLAN".
- 3-5 Select the destination network and enter the password to connect.
- 3-6 Confirm that the WLAN mark is displayed on the upper right corner of the screen.
- Normal connection.
- Normally connected but insufficient signal strength. Switching to a stronger network is recommended.
- There is a problem with the connection. Contact network administrator.
- Connection failed. Please start over from 3-4.

How to check the software version

- 4-1 Following the procedures of 2-1, 2-2, access the setting screen and tap "Information".
- 4-2 Refer to "Current Version" at the bottom of the screen.

Any trouble?

- The power does not turn on or off during use.**
 - Is the LAN cable of the PoE injector connected to the "PoE"? Is the "PoE" lamp switched on?
 - Try plugging and unplugging the power outlet, PoE injector, and LAN cable.
 - If you have more than one PoE injector, try replacing it with another.
- The thermal imager screen is not displayed and the temperature cannot be detected at all.**
 - Is the USB cable of the thermal imager connected correctly? Are there any obstacles or covers on the thermal imager lens?
- Can't go back to the temperature detection screen. The screen is frozen or unstable.**
 - Plug and unplug the LAN cable from the PoE injector and turn the power on again.
- The temperature detection result is not stable or is displayed higher/lower than the actual temperature.**
 - Check the following points.
 - If the problem still exists, turn on "temperature debug mode" and check if a point indicating a temperature detection point (green) appears around the forehead. Otherwise, it may be improved by disassembling and reassembling. If the problem persists, please contact the our Customer Support Center.

- Please check "For Proper Use" again.**
- Measure temperature on forehead.** (If the forehead is hidden by bangs, the temperature may not be detected correctly.)
- Check the height and orientation.** (Make sure a face is in the center of the screen.)
- Check the thermography screen.** (Is there a light part in the background = heat source?)
- Please take a moment after the startup.** (The temperature detection result may not be stable for 5 to 15 minutes after the startup.)
- Please check your settings.** (Does the setting of temperature detection distance match the actual temperature detection distance?)

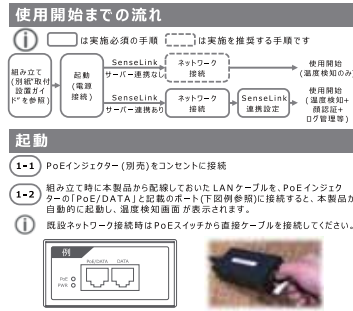
Click here for the detailed manual.



Detailed descriptions on functions and setting can be viewed on the website. https://pardma.japancv.co.jp/sensethunder_manual_DL

SenseThunder-Mini クイックスタートガイド

このたびは日本コンピュータビジョン SenseThunder-Mini をお買い上げいただき、誠にありがとうございます。
このクイックスタートガイドでは、SenseThunder-Mini の操作方法と安全にお取り扱いいただくための注意事項を記載しています。ご使用前に、必ずお読みください。また、このマニュアルを大切に保管してください。
※このマニュアルでは一部の表記を除いて、SenseThunder-Mini を「本製品」と表記しています。



正しくお使いいただくために

- 火災・感電・けがの原因となります。
- 分解・改造・修理などを行わないでください。火災や感電、故障の原因となります。また、保証の対象外となります。
- 次のようなところに置かないでください。
 - 屋外など雨や風の当たる可能性のあるところ
 - 日光が当たる狭い密閉空間、直射日光の当たる場所
 - 電線集束の周辺など高温になる場所
 - 多湿なところ、結露を起こすところ
 - 平穏でないところ、振動が発生するところ
 - マフネットの近くなどの磁場が発生するところ
 - ほこりの多いところ
- 水・粉塵・金属片などの異物が入ったときは、すぐに使用を中止し、本体を電源から取り外してください。そのまま使用すると、火災や感電の原因になります。
- 発熱している、煙が出ている、異常が起きているなどの異常があるときは、すぐに使用を中止し、本体を電源から取り外してください。そのまま使用すると、火災や感電の原因になります。
- 正しい温度検知のため、以下の動作環境条件を守って設置・運用してください。

屋内に設置
(屋外や半屋外の使用はできません。設置場所は必ず屋内にしてください。)

サーモセンサー動作環境の温度範囲は5℃～17℃(17~30℃)

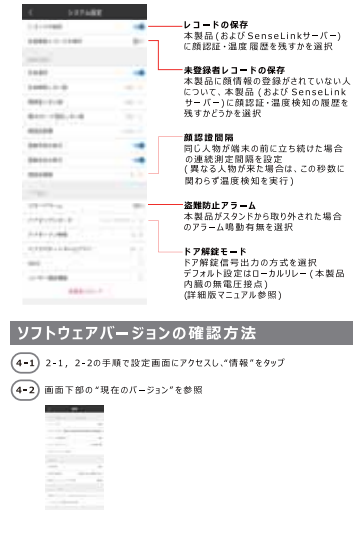
風の強い場所で(サーモカメラに風が当たらないこと)

直射日光を避けて

熱源/照明を避けて
(サーモカメラの画面に日光、照明器具、暖房器具、熱を持つ物体、直射日光を受ける/受けるなどを入れない)

室内温度に慣れて
(屋外から来た人は1分程度待つほうが、空間の温度が10m程度下がります)

正しい距離で
(温度検知距離設定に合った距離で温度検知)



故障かな？と思ったら

- 電源が入らない、使用中に電源が落ちる
 - PoEインジェクターは、「PoE」と書いてある側にLANケーブルを接続し、電源コンセント、PoEインジェクター、LANケーブルの抜き差しを試してみてください。PoEインジェクターを複数お持ちの場合は、PoEインジェクターを他の機材と交換してみてください。
- サーモカメラ画面が表示されない、温度検知検出できない
 - サーモカメラのUSBケーブルは正しく接続されていますか？
 - サーモカメラのレンズに障害物やカバーは付いていませんか？
- 温度検知画面に戻れなかった、フリーズ・動作不安定になった
 - PoEインジェクターからLANケーブルを抜き差しして電源を入れ直してください。
 - 温度検知結果が安定しない、実測よりも高く/低く表示される
 - 以下のチェックポイントをご確認ください。
 - それでも改善されない場合、「温度オフモード」をONにして、「温度検知インストール完了」画面が表示されたら電源を切り、しばらく待たせ、電源を入れてください。一度再起動して組み立て直すことで改善する場合があります。それでも解決しない場合は保証問い合わせ窓口までご相談ください。
- 「正しくお使いいただくために」を再度ご確認ください
- 少し時間を置いてください (起動後5分~15分程度は温度検知結果が不安定な場合があります)
- 設定を確認してください (温度検知距離設定や検知範囲の温度検知範囲が合っていますか?)

顔で測定してください
(顔などで顔が隠れていると正しく温度検知できない場合があります)

高さや向きを確認してください
(顔が画面中央に来るようにしてください)

サーモ画面を確認してください
(初期に顔が隠れている状態では温度検知できませんか?)

詳細版マニュアルはこちら

詳細な機能説明・設定方法をウェブサイトで閲覧可能
https://pardma.jp/ncv.co.jp/sensethunder_manual_DL

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420mm

105mm

297mm

148mm

总尺寸:420mm*297mm (A3)
 单页尺寸:105mm *148mm (A6)
 工艺说明:正反面打印, 风琴折结构, 书写纸80克 (日语正面, 英语背面)

FCC statements:

Federal Communication Commission (FCC) Radiation Exposure Statement
When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes 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.

IC statements:

Radiation Exposure Statement:

This equipment complies with IC 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.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

this device may not cause interference, and
this device must accept any interference that may cause
undesired operation of the device.

Cet appareil est conforme avec Industrie Canada RSS exemptes de licence standard(s).

Son fonctionnement est soumis aux deux conditions suivantes:

- (1) cet appareil ne peut pas provoquer d'interférences, et
- (2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.