

SuperScene™

User Guide & FAQs



How to Upgrade Firmware?

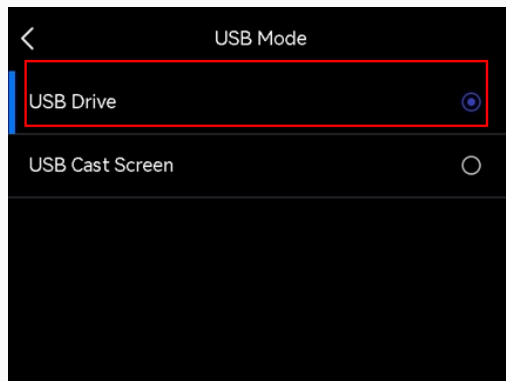


Before upgrading your camera, make sure:

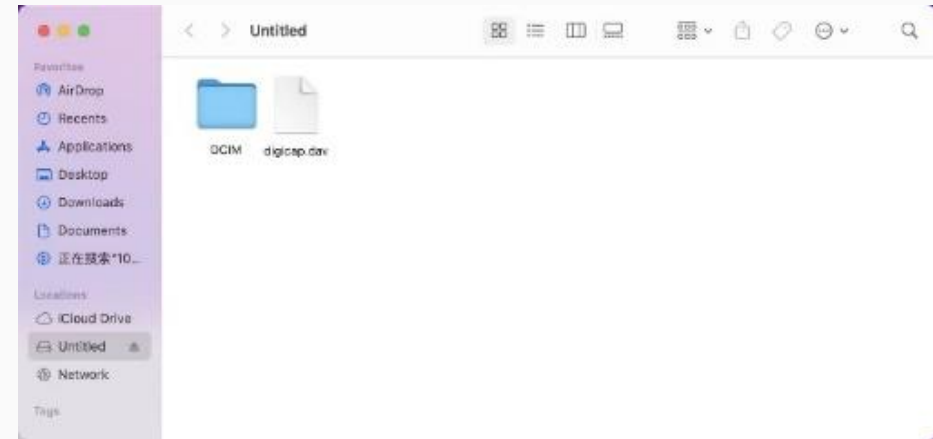
1. Fully charge your camera;
2. Auto Power-off function is turned-off to avoid accidental suspension during upgrading.

1. Download new **5.5.82** firmware, and save it to your PC.
<https://www.hikmicrotech.com/en/support/download-center/firmware-download/?activeTab=Firmware>

2. Use supplied USB cable to connect the imager to your PC. The imager would pop up available USB Modes. Please select USB Drive.



3. Open the detected disk. Unzip the firmware, and copy and paste the .dav file to the root directory of the disk.



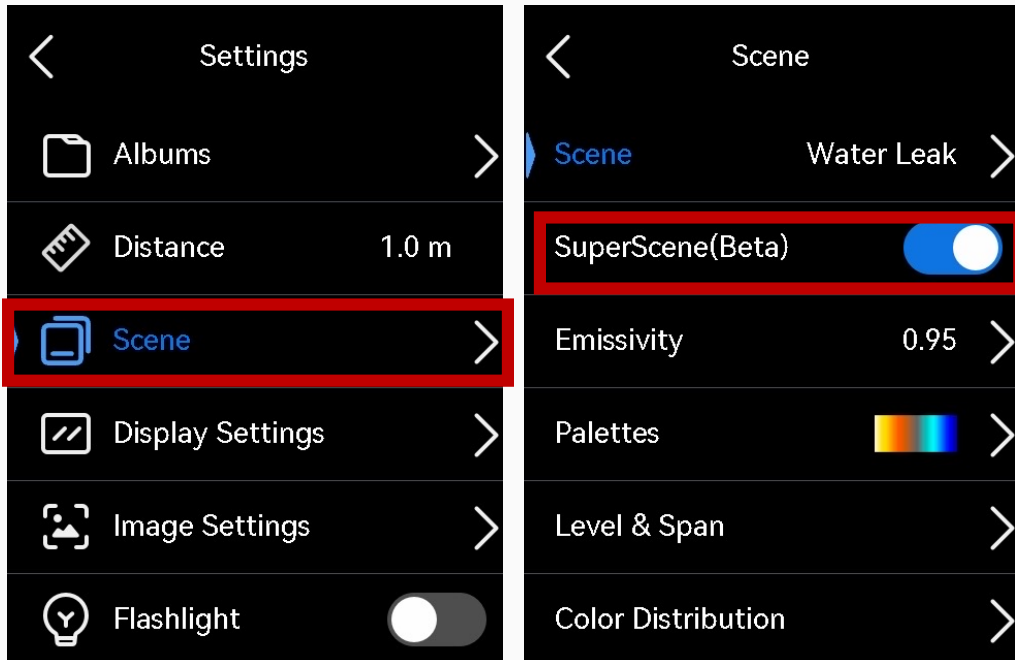
4. Disconnect the imager from PC and reboot the device to start upgrading automatically. The upgrading lasts several minutes, please wait for the process to complete.

How to Enable SuperScene™ Function?



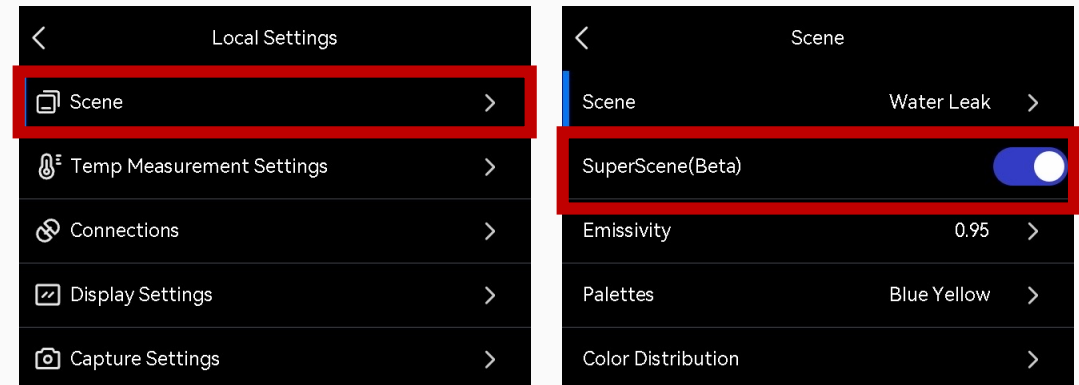
Handheld Thermal Camera

Settings->Scene->Water Leak/ Insulation,
enable SuperScene™ (Beta) (Default On)



Pocket Thermal Camera

Local Settings->Scene->Water Leak/ Insulation,
enable SuperScene™ (Beta) (Default On)



How to Enable Insulation Pro Function?

Available for B01S, B10S, B20S, B21LS, PocketC and Pocket2 models only.

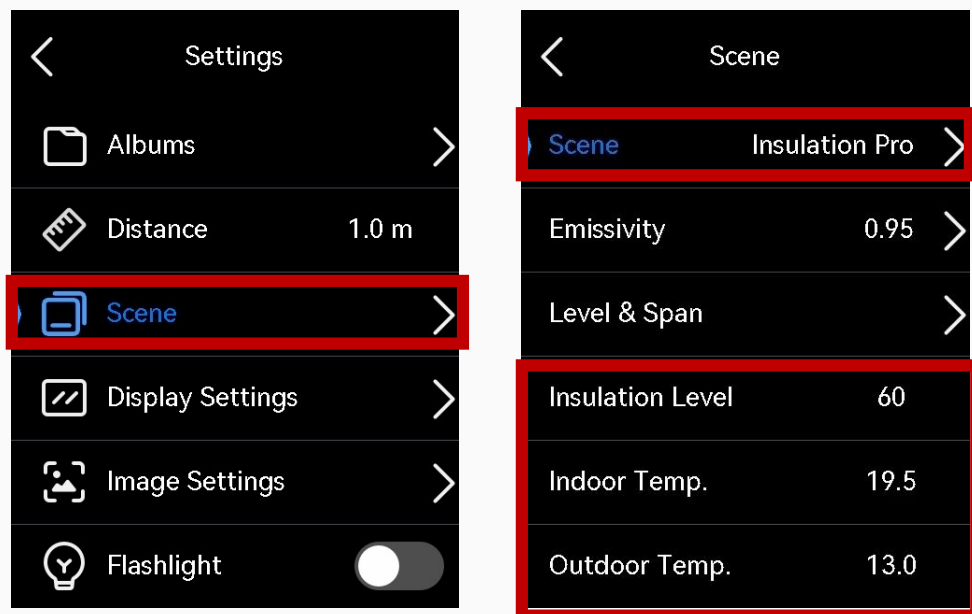


Parameter Input:

- a. **Insulation Level:** Ranges from 0 to 100. (Typical insulation coefficient for new buildings is usually between 60% to 80%.)
- b. **Indoor Temperature:** Current indoor temperature.
- c. **Outdoor Temperature:** Current outdoor temperature.

Handheld Thermal Camera

Settings->Scene->Insulation Pro



Pocket Thermal Camera

Local Settings->Scene->Insulation Pro



How to **Enable Condensation** Function?

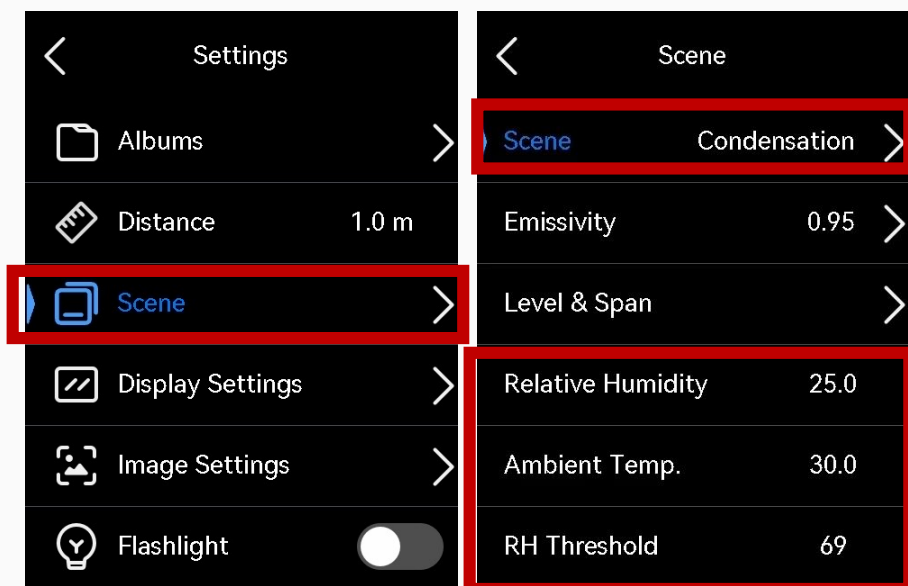
Available for B01S, B10S, B20s, B21Ls, PocketC and Pocket2 models only.



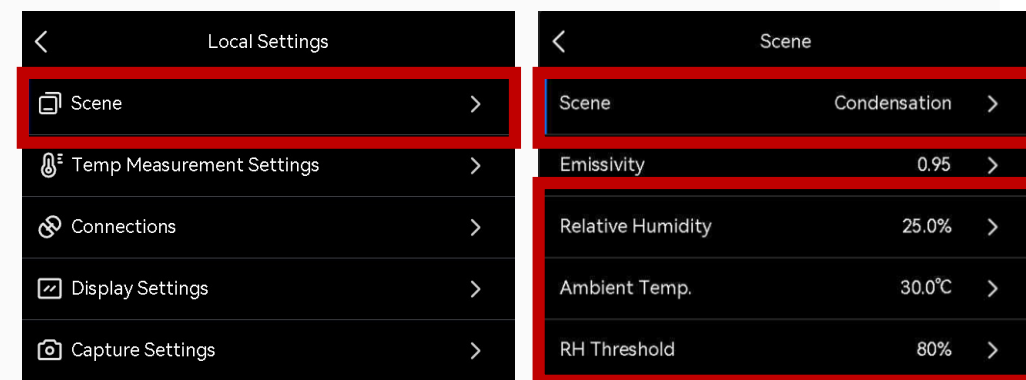
Parameter Input:

- a. **Relative Humidity:** Relative humidity of the current environment.
- b. **Ambient Temperature:** Current ambient temperature.
- c. **RH Threshold (%):** Relative humidity alarm threshold, an integer value between 0 and 100.

Handheld Thermal Camera Settings->Scene->Condensation



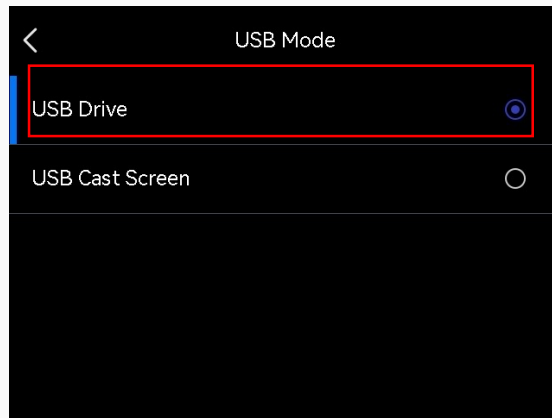
Pocket Thermal Camera Local Settings->Scene->Condensation



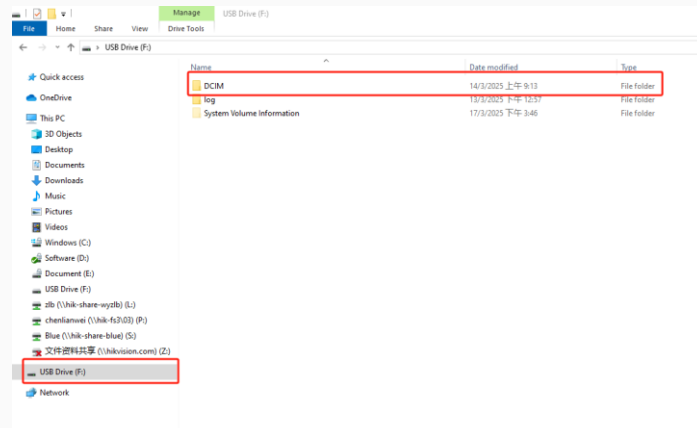
How to Export Files?



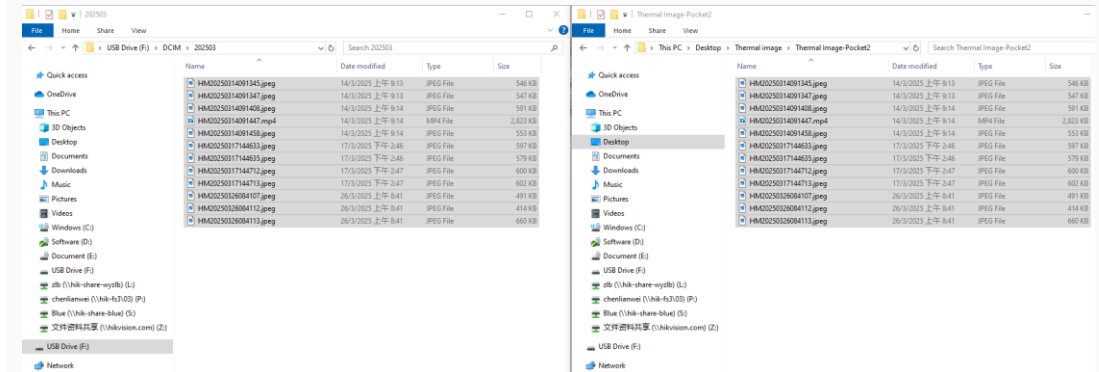
1. Use supplied USB cable to connect the imager to your PC. The imager would pop up available USB Modes. Please select USB Drive.



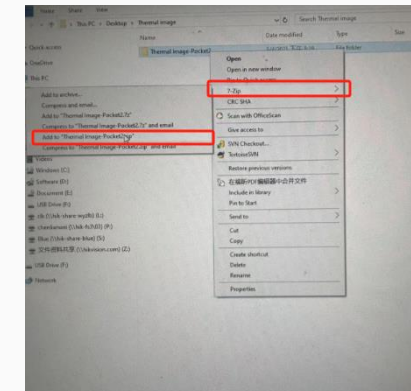
2. Open the detected disk.



3. Select and copy files to PC.



4. Switch the document containing the thermal image into a Zip file.



FAQs -1

Key Words	Question	Answers
Scene	What is Scene modes?	To meet the needs of specific scenarios and targets based on the usage habits of different industries and parameter settings, a variety of scene modes are provided , such as Water Leak, Insulation, Insulation Pro(Only for 256 resolution), Condensation(Only for 256 resolution), Floor Heating, Electrical Faults, Macro Mode(Only for 256 resolution), and Solar Panel. Additionally, settings can be customized if the available scene modes do not fully meet requirements.
SuperScene™	What is the SuperScene™ algorithm?	It is an exclusive, intelligent scene recognition algorithm designed for users new to thermal cameras to simplify the inspection process and make home inspections faster. It optimizes the SuperScene™ deep learning algorithm by training it on a vast collection of thermal images representing typical issues such as insufficient insulation and water leakage. This enables the algorithm to quickly and accurately identify potential insulation deficiencies and suspicious water leaks during IR inspections. It makes identifying insulation gaps and water leaks quicker and easier, becoming an essential smart assistant for IR inspections.
SuperScene™	Which models support SuperScene™?	This is only compatible with Handheld series (only BXS supports) and Pocket series thermal cameras. Smartphone module thermal cameras do not support it.
SuperScene™	What are the target users of SuperScene™?	For users new to thermal cameras who wish to check common issues in home inspections such as insulation problems and water leaks but are unsure how to identify abnormalities or locate the problem areas using thermal images.

FAQs -2

Key Words	Question	Answers
SuperScene™	How can I use SuperScene™ if I want to?	Make sure the current version is V5.5.82. Enter Setting->Scene -> Water Leak/Insolution , enable the SuperScene (Beta) parameter (Default On), then the SuperScene algorithm can be used to check for water leaks or insulation issues.
SuperScene™	Which application scenarios can use the SupperScene algorithm to assist in detecting leak points?	<p>SuperScene is equipped in Water Leak and Insulation scenes. We will continue to iterate on other applications in the future.</p> <p>The SuperScene algorithm can detect common water leak scenarios such as roof leakage, pipe leakage, and bathtub leakage. It can also identify wall, ceiling, and floor surfaces hidden behind drywall where insulation is missing, damaged, or improperly installed.</p>
SuperScene™	Can the SuperScene™ algorithm detect water leaks or insulation 100% accurately?	SuperScene™ algorithm can achieve preliminary screening and relies on users to capture clear images. Although the algorithm performs well in detection, its accuracy is not 100%. After the algorithm provides a quick assessment, users need to make judgments based on suspicious targets. With each upgrade of the algorithm, accuracy will continue to improve, so please remember to keep the firmware updated.
SuperScene™	What should I do if I encounter false positives or false negatives when using the SuperScene algorithm?	<p>Please contact us and provide those information:</p> <ol style="list-style-type: none">1.Ensure that SuperScene™ (Beta) is enabled based on the scene of false positives or false negatives. Capture thermal images from multiple angles and distances of the target, and set the image mode of the camera with visible light to Fusion (If applicable). Please provide the images to us.2. Provide information on the wall material, water leakage temperature, and ambient temperature.

THANK YOU

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