



HIKMICRO

HIKMICRO Analyzer Client V2.2.2
Release Notes

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1 Introduction

The HIKMICRO Analyzer client is a software designed for thermal imaging temperature analysis and acoustic image analysis.

File Analysis

- Thermal Images

Thermal images taken by a thermal camera can be imported to the client for file management and analysis.

The client provides file management functions including file tagging, categorization, etc. In addition, file analysis can be performed, including image editing and temperature measurement data analysis. Multiple operations can be performed for the analysis, including configuring measurement tools, adjusting measurement parameters, switching image display mode, setting color alarms, etc. After the analysis, you can view the measurement results and charts, and save the images or export the report as required.

- Radiometric Videos

Radiometric videos recorded by a thermal camera can also be imported to the client for analysis. You can obtain the measurement results by configuring measurement tools, adjusting measurement parameters, etc. At the same time, the time-temperature curves and temperature distribution histograms will be displayed for you to check the temperature changes and distributions.

- Acoustic Images

Acoustic images taken by an acoustic imaging camera can be imported to the client for file management and analysis.

The client provides file management functions including file tagging, categorization, etc. In addition, file analysis can be performed, including sound source localization and intensity scale adjustment, acoustic palettes opacity tuning, etc. Multiple operations can be performed during the analysis, including setting sound source distance, configuring cost calculation parameters, etc., to generate acoustic analysis result. The client supports generating and exporting various professional acoustic diagram, such as PRPD, FFT, and Signal diagram. Meanwhile, it also supports generating and exporting gas leakage detection reports or partial discharge detection reports based on the acoustic image analysis results.

- Acoustic-Thermal Images

Acoustic-thermal images are captured by an acoustic imaging camera with a thermal imager in Picture-in-Picture (PIP) mode. It supports

simultaneously analyzing the acoustic image and the corresponding thermal image of the observed scene.

Live View & Analysis

A thermal camera can be connected to the client for live view, and the real-time temperature measurement analysis can be performed for the live view image. You can obtain the measurement results by configuring measurement tools, adjusting measurement parameters, etc.

Report Template Creation

The client supports the ReportMate, an assistant for generating report templates. It works with Microsoft Word to create complex-style report templates.

1.1 Version information

Version	Date
HIKMICRO Analyzer V2.2.2	2026-09
ReportMate V1.1.0	2026-09

1.2 Multilanguage type

Type	Chinese, Czech, Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Romanian, Slovak, Spanish, Swedish, Turkish, Traditional Chinese
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1.3 Running environment

Operating System	Microsoft® Windows 7 (64-bit operating system) Microsoft® Windows 10 (64-bit operating system) Microsoft® Windows 11 (64-bit operating system)
CPU	i5-4590 or above
RAM	8G or above
Graphics Card	RADEON X700 series 256M or above

2 New features

This chapter introduces the new features of HIKMICRO Analyzer Client V2.2.2.

2.1 Added temperature measurement tool template

The temperature measurement template allows you to save configured measurement tools for reuse in image, video, and live analysis.

2.1.1 Create a temperature measurement template

You can create a temperature measurement template by the following ways:

- Import from an image:
 1. Click  >  **Measurement Template** > **New Template**.
 2. Choose a radiometric image with measurement tools.
 3. Enter the **Measurement Template Name**.
 4. Click **OK**.
- Save from the current image/video:
 1. Right-click the thermal image/video in the analysis window, then click **Set as Measurement Template**.

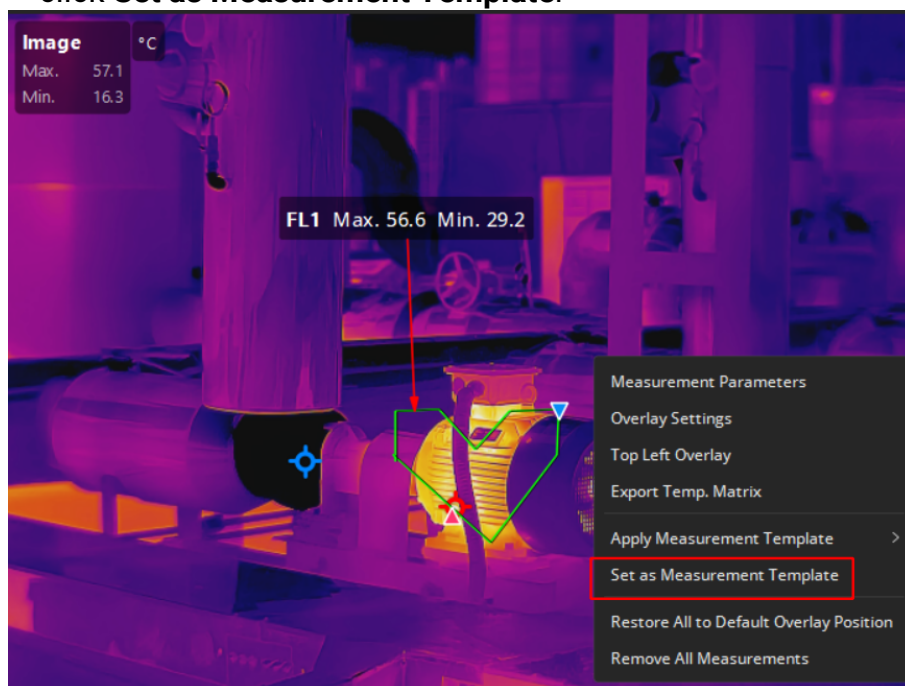


Figure 2-1 Set Measurement Template

2. Enter the **Measurement Template Name**.

3. Click **OK**.

2.1.2 Apply temperature measurement template

1. Right-click the thermal image/video in the analysis window, then click **Apply Measurement Template**.
2. Choose a template.

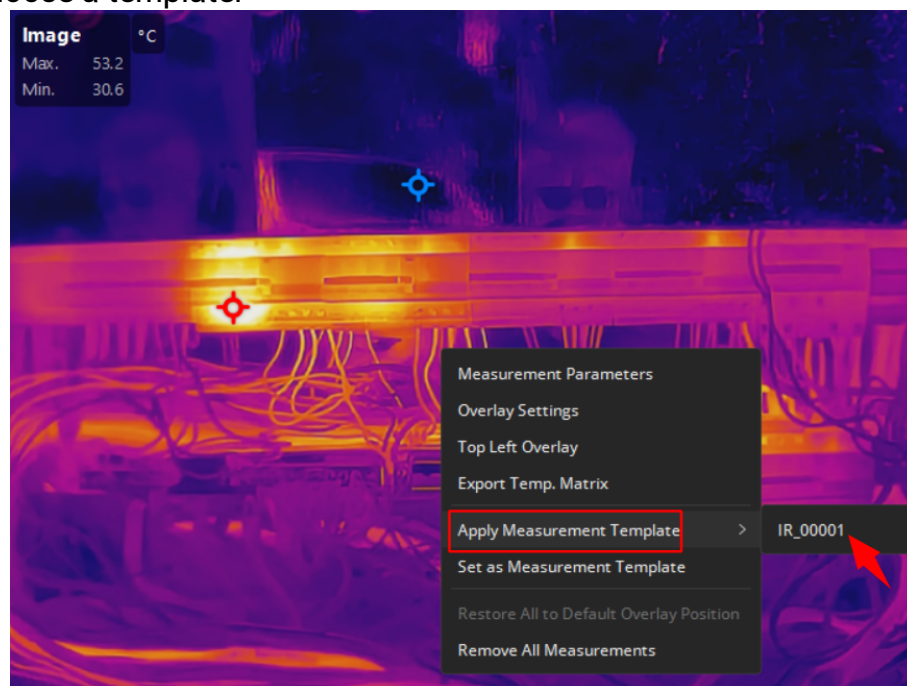


Figure 2-2 Apply Measurement Template



Applying the measurement template will clear the existing measurement tools.

2.1.3 Edit temperature measurement template

To rename or delete the measurement template:

1. Click  >  **Measurement Template**.
2. Edit the measurement template:
 - Click  to rename the template.
 - Click  to delete the template.
3. Tap **OK**.

2.2 Batch export temperature matrix available

Added batch export for temperature matrix, allowing users to export data for all images in the task list at once, significantly improving processing efficiency.

1. Tap **Batch** > **Batch Save** > **Batch Export Temperature Matrix** in the task list.

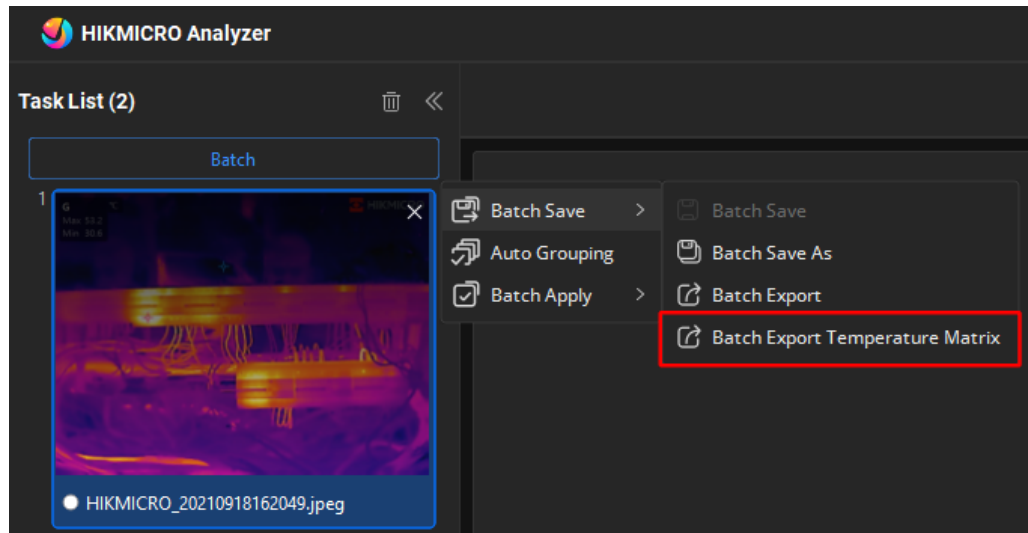


Figure 2-3 Batch Export Temperature Matrix

2. Configure the file naming rules, duplicates handling method, and export path in the settings panel.

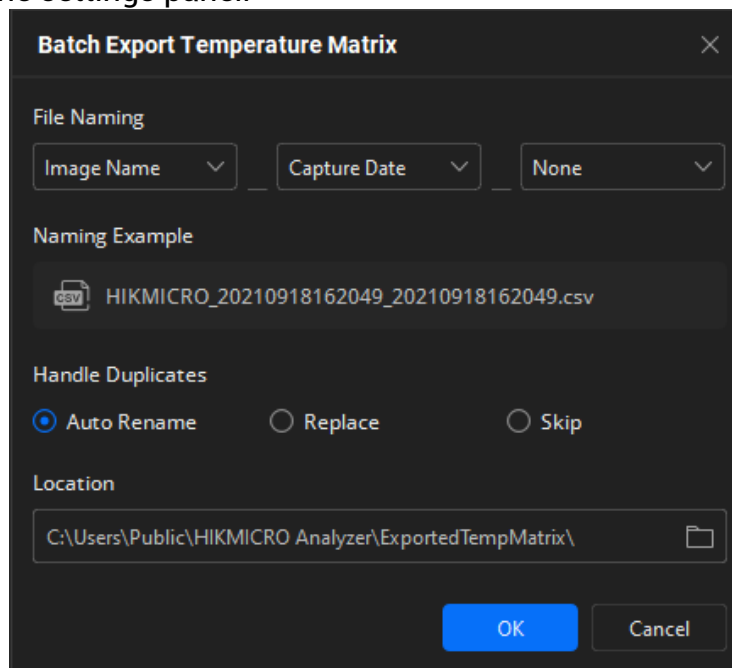


Figure 2-4 Batch Export Temperature Matrix Settings



By default, exported files are named using the format "Image Name + Capture Date", and the default duplicates handling method is Auto Rename.

If a file with the same name already exists in the target folder, users can choose one of three handling strategies:

- Auto Rename: Auto rename the duplicates by appending a sequence number.
 - Replace: Overwrite the existing files.
 - Skip: Skip the files.
3. (Optional) When failed to export temperature matrix, click **View Export Errors** to see the specific causes.
 4. Click **Open Folder** to quickly locate the exported files.

2.3 Added trend video creation entrance

To improve the usability of the trend video, this update adds multiple ways for users to create trend videos.

- Drag a folder to the task list: In **Local File** or **My Favorites**, drag a folder to the task list, the client software will analyze the files as a trend video.

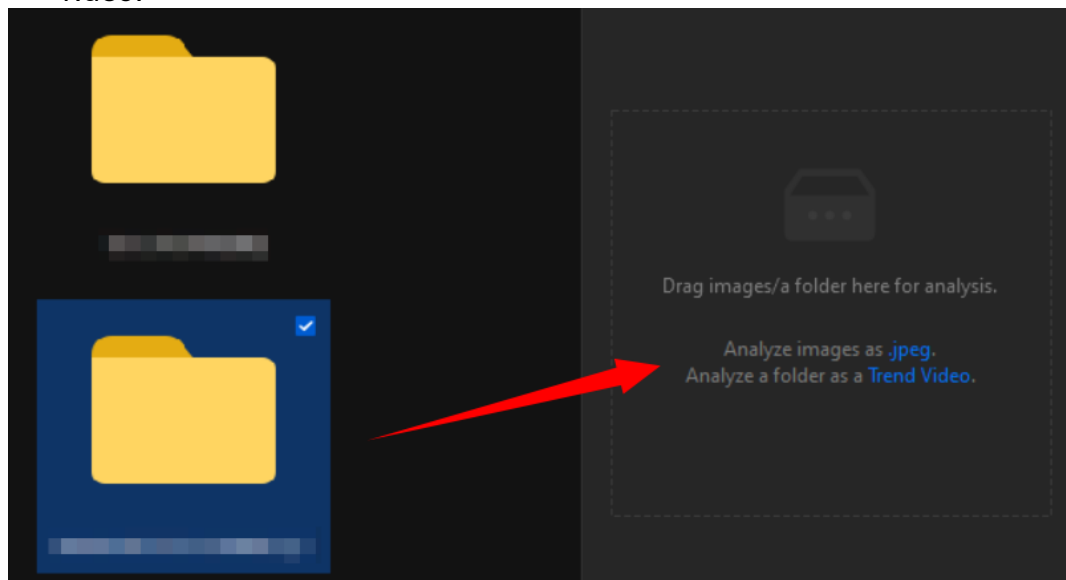


Figure 2-5 Drag Folder to the Task List

- Right-click a folder or multiple images in the **Local File**: In Local File, right-click a folder or multiple images, then select **Create a Trend Video for All**.

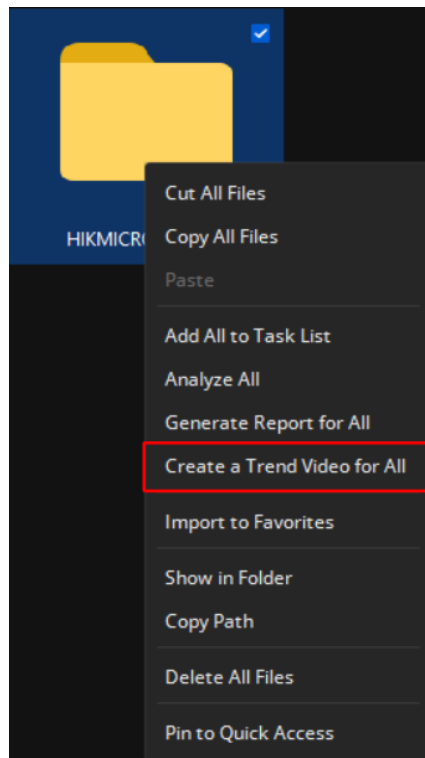


Figure 2-6 Create Trend Video in Local File

- Right-click a folder or multiple images in the **My Favorites**: In My Favorite, right-click a folder or multiple images, then select **File Processing** > **Create a Trend Video**.

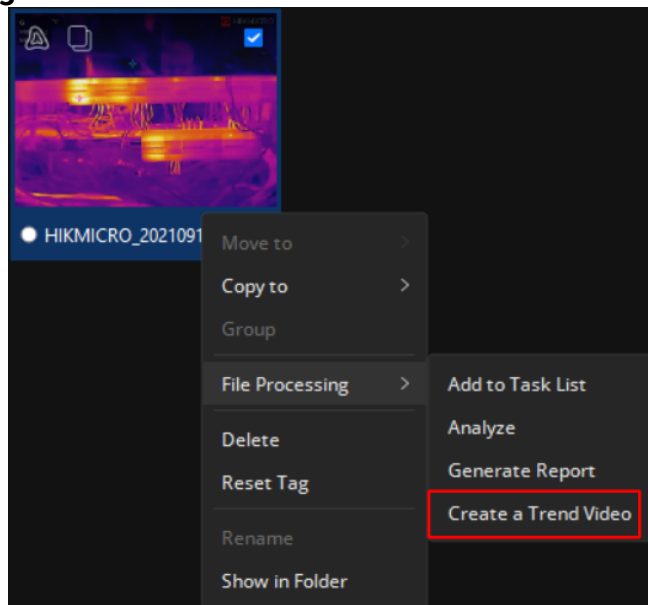


Figure 2-7 Create Trend Video in My Favorites

- Right-click a group or multiple images in the **Task List**: In the Task List, right-click a group or multiple images, then select **Create a Trend Video**.

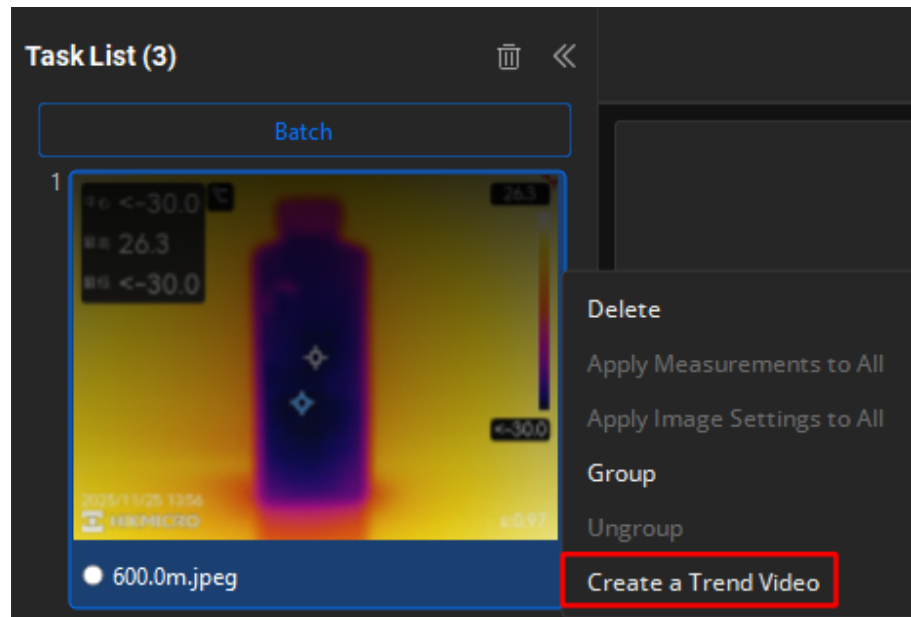


Figure 2-8 Create Trend Video in Task List

2.4 New "/" shortcut for linking properties in report

V2.2.2 adds a quick way to link properties to table cells in the report, making it easier to fill in and associate report data.

1. When editing the report, double-click a table cell to enter text editing mode.
2. Type "/" to bring up a property selection menu at the current position.
3. Choose the desired property by the following ways:
 - Click the property menu to choose the property.

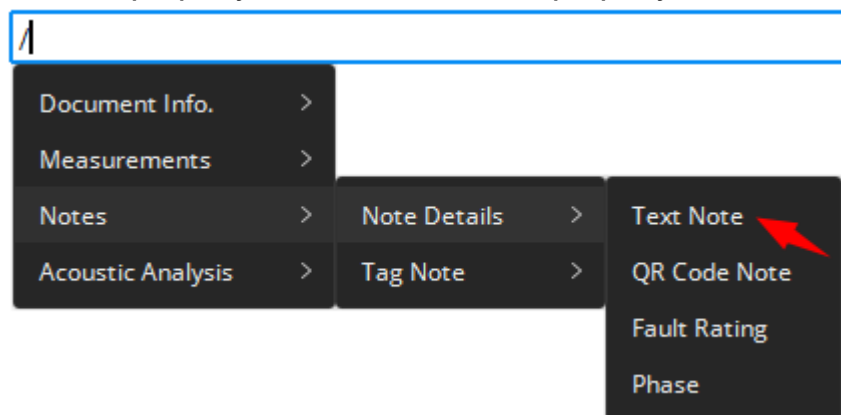


Figure 2-9 Click to Link Property

- Enter the property to quickly unfolded the property menu. Use up/down keys to choose the property, then press Enter key.

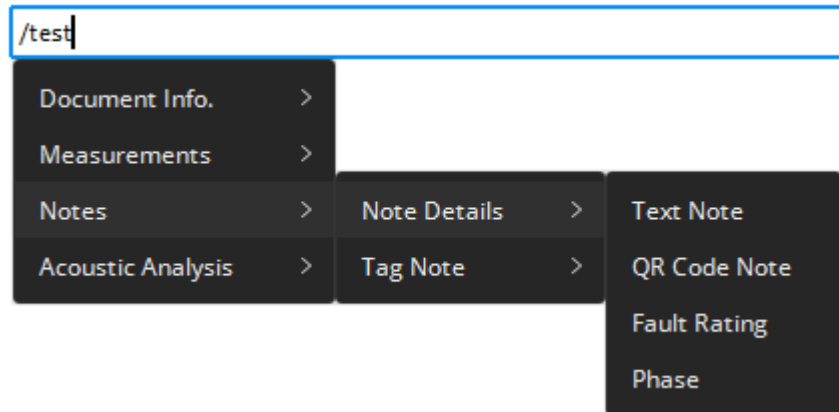


Figure 2-10 Enter to Link Property



Enter space to exit the link shortcut.

4. (Optional) The linked property is sourced from the main image by default. To change the linked image, select Link Image in the right pane.

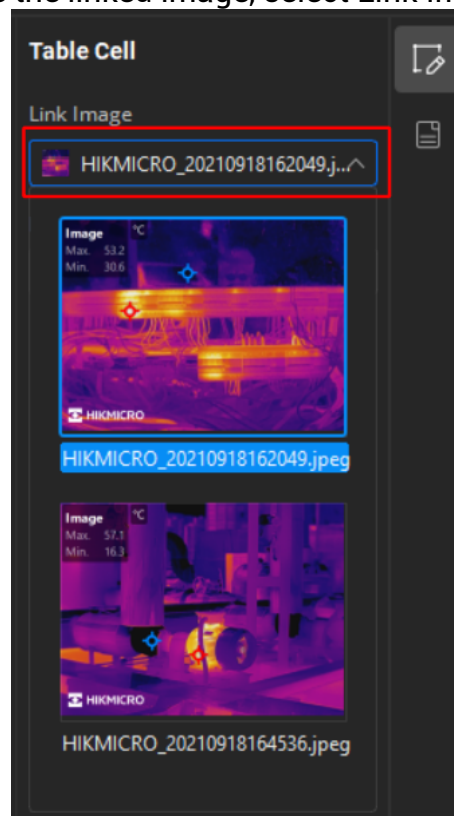


Figure 2-11 Link Image

5. The cell will automatically link to the corresponding data.

2.5 Added SuperIR switch for preview

The SuperIR super resolution technology offers clearer images with more details. A SuperIR switch has been added to the analysis top toolbar to control the on/off state of the function.

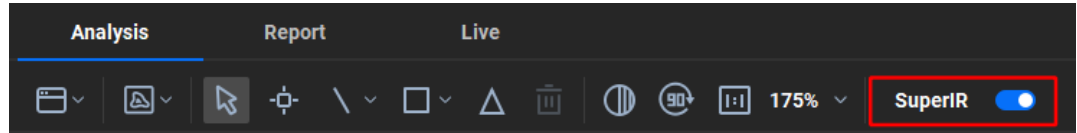
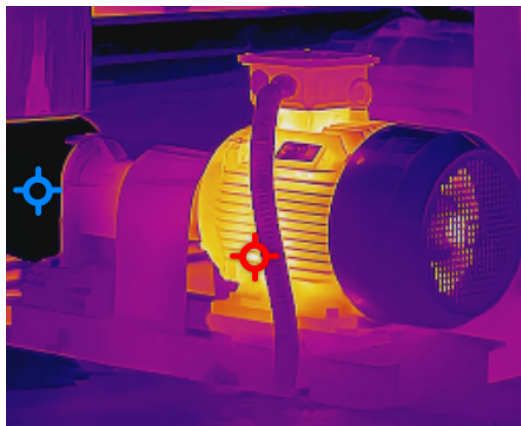
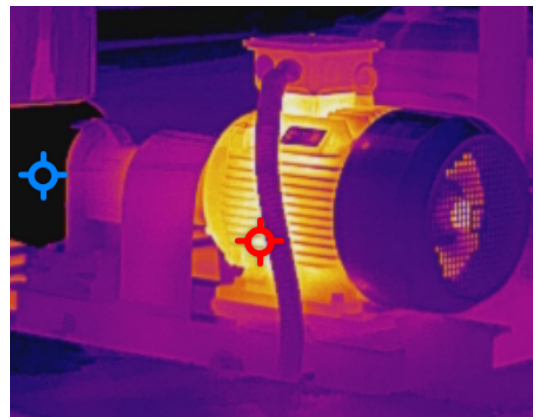


Figure 2-12 SuperIR Switch



SuperIR ON



SuperIR OFF

2.6 New drawing shortcut

- Enhanced line and ellipse tools drawing:
 - When drawing line tools, hold Shift to draw vertically or horizontally.
 - When drawing ellipse tools, hold Shift to draw a circle.
- Quick addition of delta tools:
After selecting one measurement tool or a temperature point, hold the Ctrl key and click another measurement tool or temperature point to quickly create the delta tool, displaying the setting window to simplify the workflow.

2.7 Supported quickly adding files from the Library to the Task List

1. Select the desired files in the **Library**.
2. Click the **Analysis** or **Report** tab.

The files are automatically added to the **Task List**, and the interface switches to the corresponding tab.

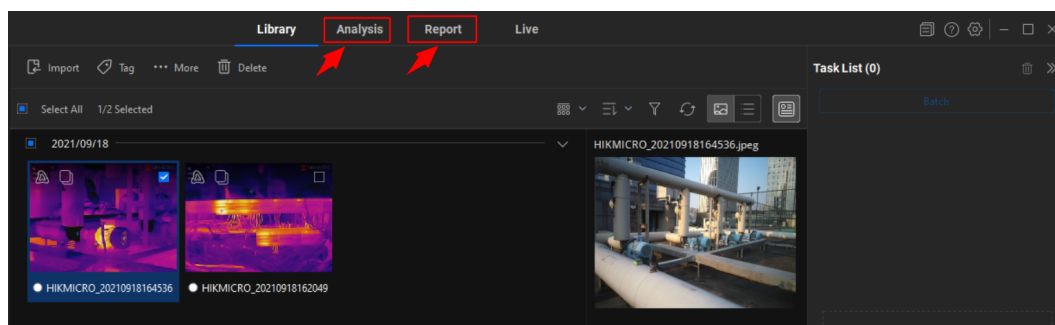


Figure 2-13 Quickly Add Files to the Task list

2.8 Reports supported new overlay features

2.8.1 Supported overlay information display with measurement

For previous versions, measurement results in thermal reports can only be displayed in the top-left. For V2.2.2 temperature measurement parameters and results can be displayed in thermal reports around the measurement tools.

To set the **Display with Measurement** in thermal reports:

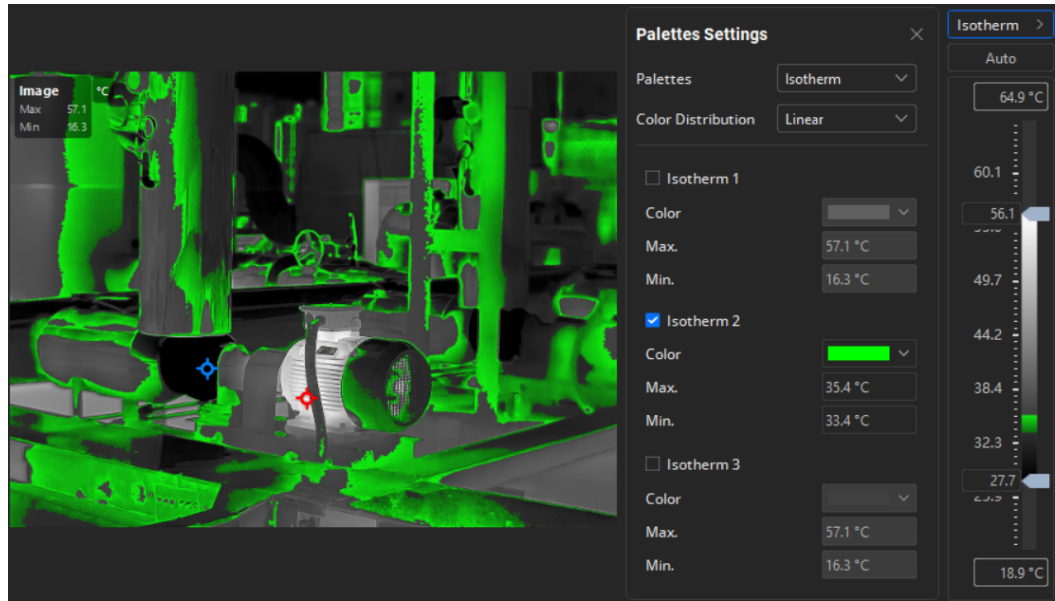
1. Enable **Measured Temp.** display via  > **Overlay** > **Thermal** > **Report Export**, and check **Measured Temp.**.
2. Set **Display with Measurement** via  > **Overlay** > **Thermal** > **General**, and set the **Location**.

2.8.2 Supported the capture time overlay

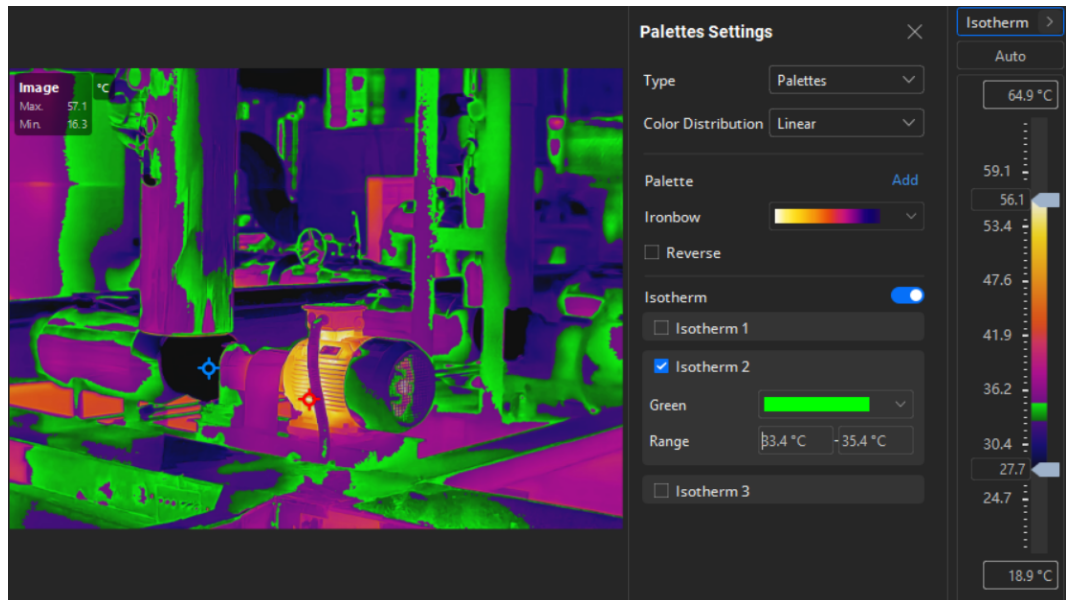
Capture time can be configured to overlay on acoustic or thermal images in reports. Go to  > **Overlay** > **Thermal/Acoustic** > **Report Export**, and check the **Capture Time**.

2.9 Overall image palette settings take effect in isotherm

When the **Isotherm** is enabled, you can set a full-image palette, and temperature ranges outside the isotherm will be shown in the configured palette. This allows you to accurately pinpoint the target temperature zone while retaining a complete temperature reference for the entire image.



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You can enable or disable the **Isotherm** and configure the palette, numbers, colors, and temperature ranges in the **Palettes Settings**.

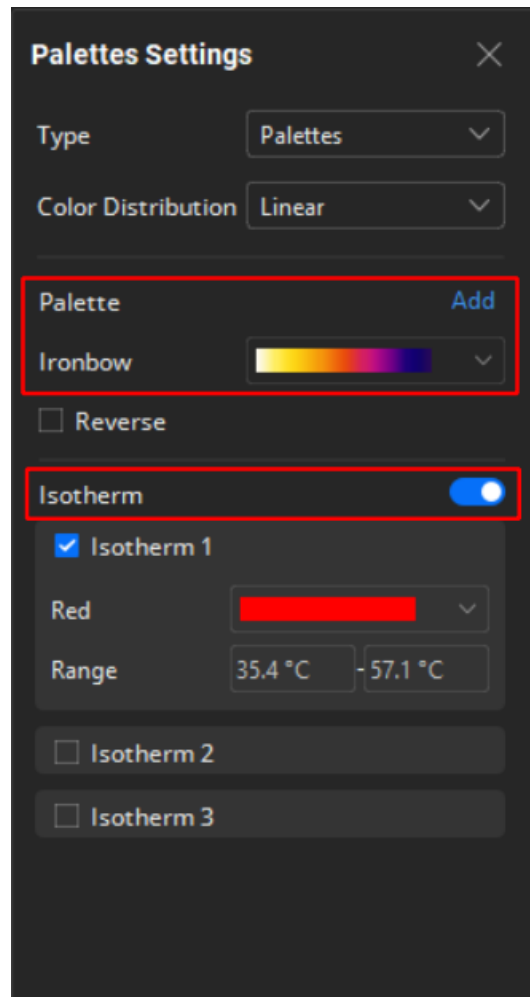


Figure 2-14 Set Isotherm

2.10 New features of ReportMate

2.10.1 Supported creation of acoustic report template

ReportMate is an assistant tool for generating reports. It works with Microsoft Word to create complex-style report templates. It now supports the creation of acoustic report templates. In Word templates, users can add acoustic image units, and attach related units such as signal, FFT, PRPD charts, gas leak and partial discharge parameter charts and result tables.

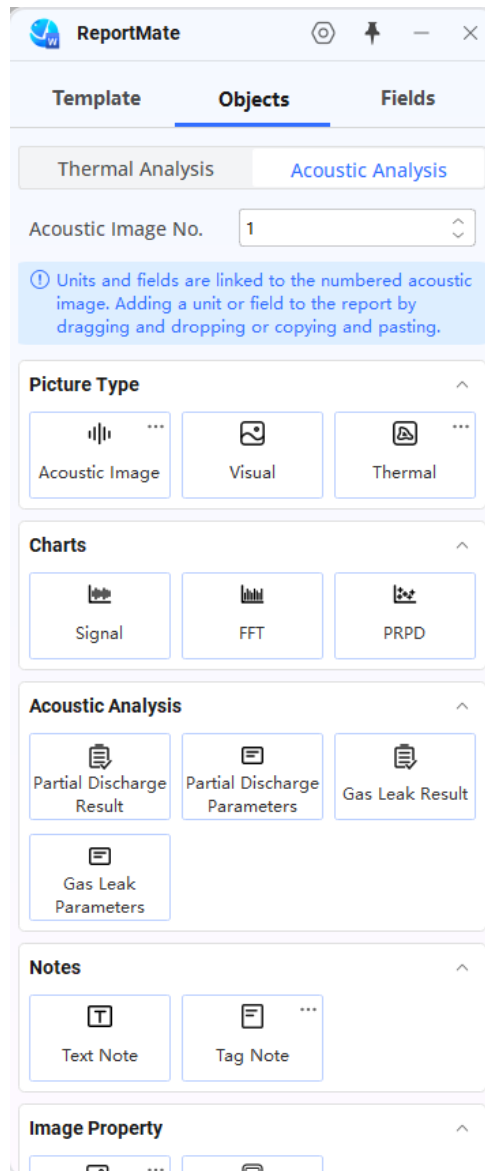


Figure 2-15 Acoustic Analysis

2.10.2 Newly added template management tab

The newly added built-in templates in ReportMate enable users to efficiently design complex reports. Double-click template to edit. You can also click **+Import** to add more templates.

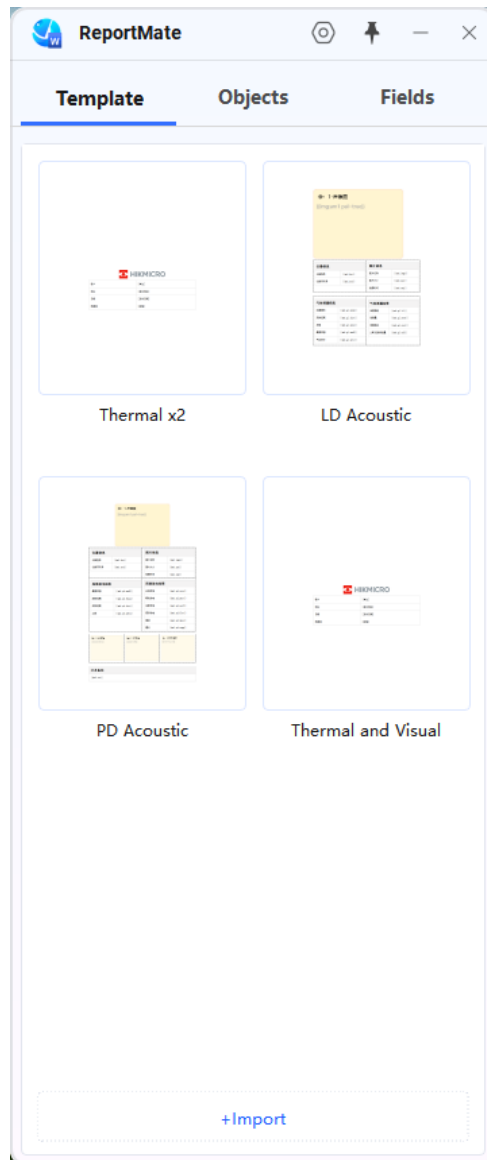


Figure 2-16 Template in ReportMate

3 Optimization

3.1 Upgraded editing interface for tag note templates

To create a tag note template:

1. On the top right corner of the client, click  >  **Tag Note Template** to open the **Tag Note Template Settings** window.



There will be a default template file named General.

2. On the top right corner of the window, click **New** to create a new template.
3. Enter the template name and click **Confirm**.
4. Select the created template and click **Edit** on the right.
5. Click **Add Tag** in the Tag List to add tags.
6. Enter the **Tag Name** and choose the **Tag Type**, then click **OK**.
7. Edit the tag note.

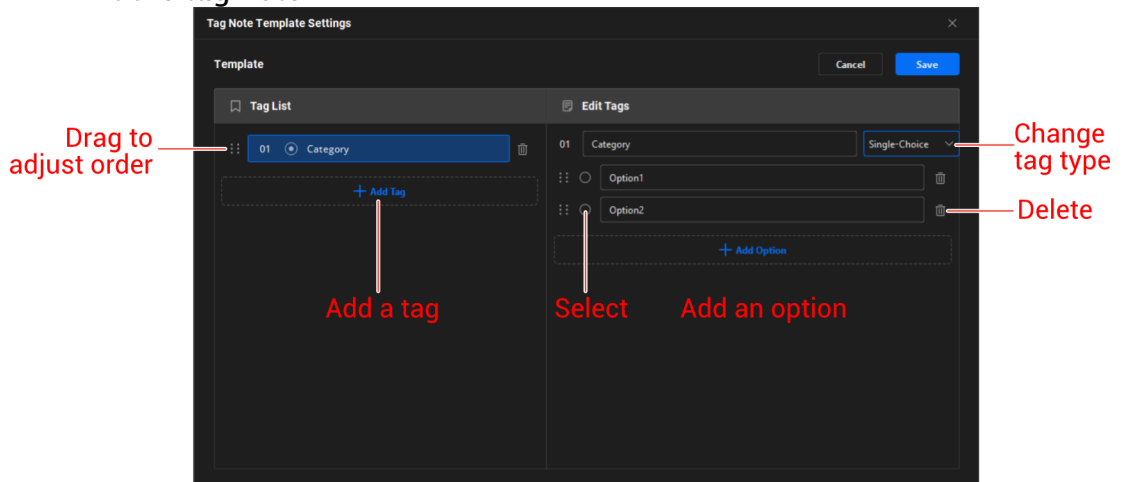


Figure 3-1 Tag Note Editing

3.2 Optimized overlay in Task List

Batch operations are now located at the top of the task list for faster, smoother access.

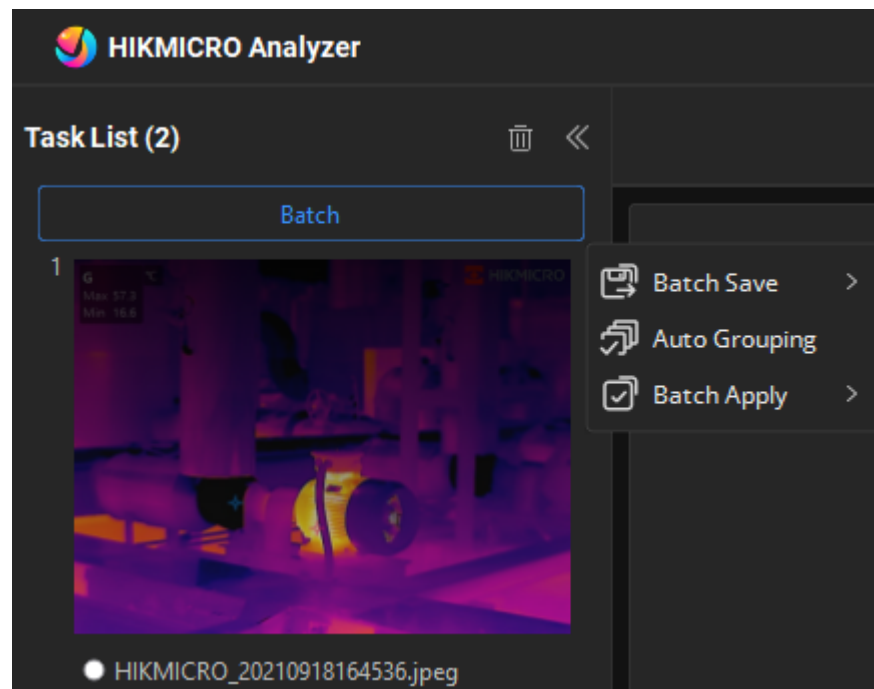


Figure 3-2 Batch Operation in Task List

3.3 More

3.3.1 Report

- Added thumbnail preview for .docx template in **Template Library**.

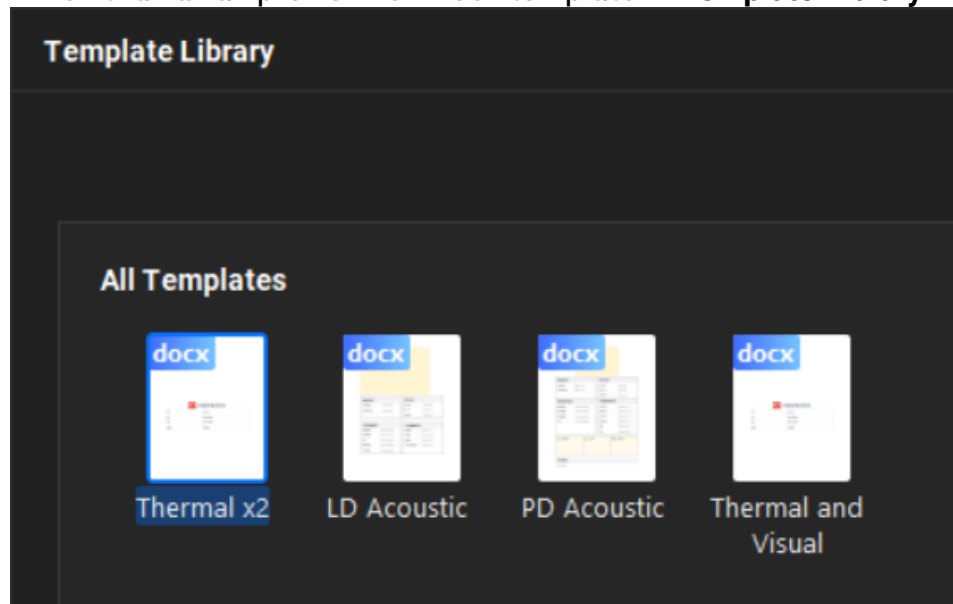
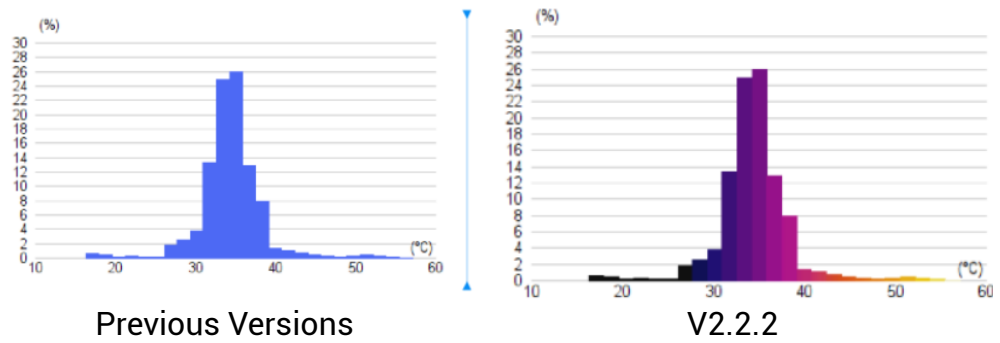


Figure 3-3 .docx Template in Template Library

- Temperature histograms in reports are now displayed according to the thermal image palette.



3.3.2 Settings

- Adjusted the continuous drawing short keys to short keys only drawing a single tool.

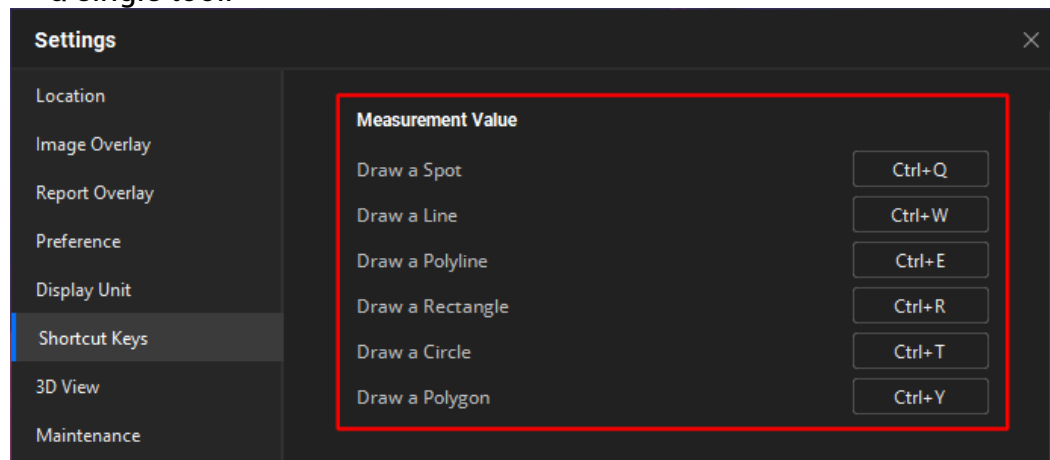
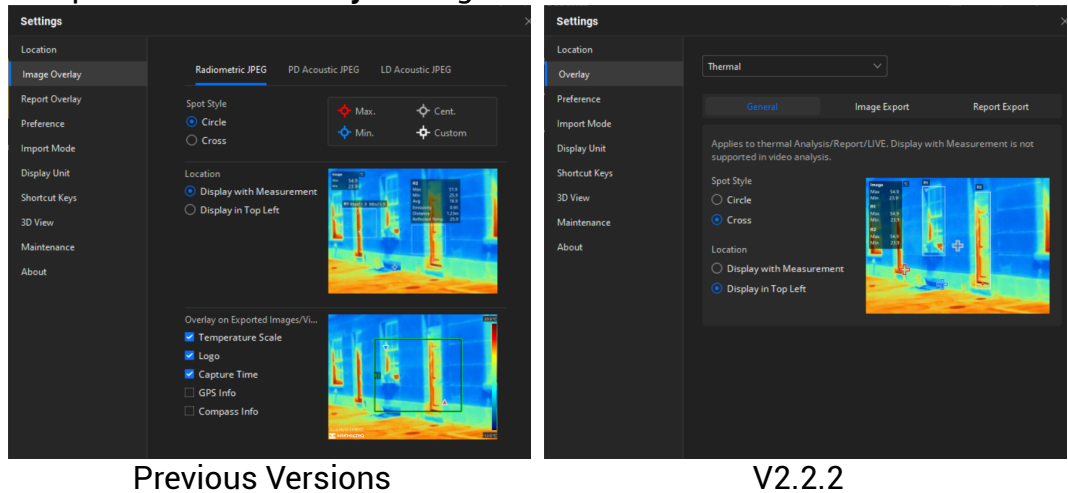


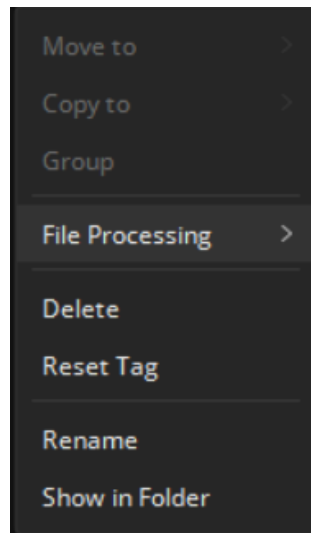
Figure 3-4 Shortcut Keys of Tool Drawing

- Optimized the **Overlay** settings interface.

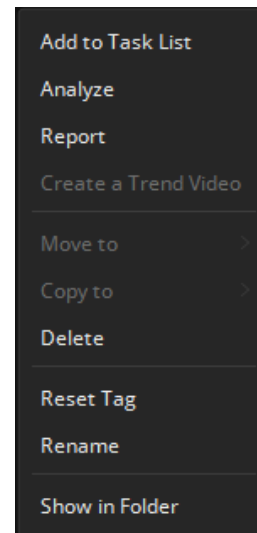
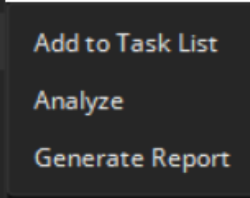


3.3.3 Menu

- Optimized the right-click menu in the **Library**.



Previous Versions



V2.2.2

Legal Information

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About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the HIKMICRO website (www.hikmicrotech.com/).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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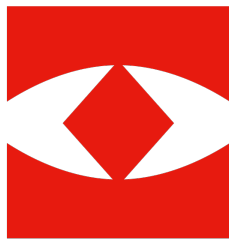
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