



HIKMICRO Analyzer Client (V1.2.0)

Release Notes

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Chapter 1 Introduction

HIKMICRO Analyzer Client is used to view and analyze the temperature information contained in the images captured by the thermal device and generate a report. Thermal images can be imported to the client, and you can manage images via classifying files, adding tags, etc. Multiple operations can be performed during image analysis, including configuring measurements and adjusting measurement parameters. After image analysis, you can view the measurement results, save images, or export the report as required. The client also supports importing a radiometric video for temperature analysis. You can lay out measurement tools on the video image, configure measurement parameters, etc. And the client will display time-temperature curve for you to check the dynamic change of temperatures.

This document introduces new features and optimizations in V1.2.0 of the Client.

Version Information

Version	Date
HIKMICRO Analyzer V1.2.0_221027	2022-11

Supported Product List

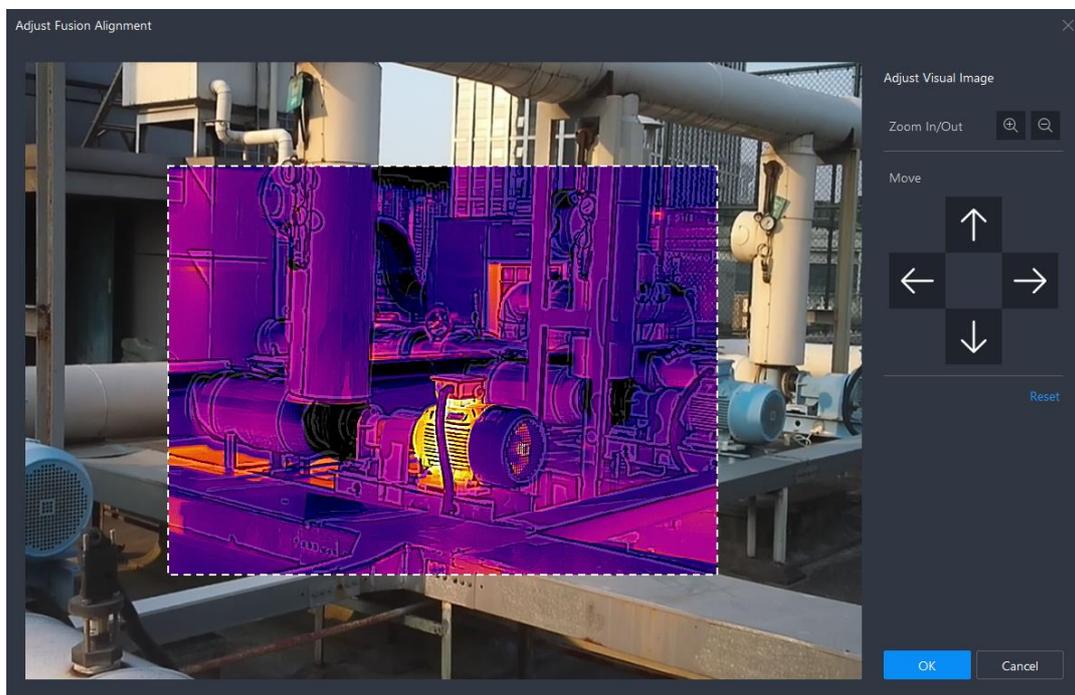
Model	Firmware
G40/G60	V5.5.27
M10	V5.5.19
M30	V5.5.27
M20/M20W	V5.5.35
SP60	V5.5.29
Pocket1/Pocket2	V5.5.29
B10/B20	V5.5.37
B1L/B2L	V5.5.15
E1L	V5.5.45

Chapter 2 New Features

2.1 Image Analysis

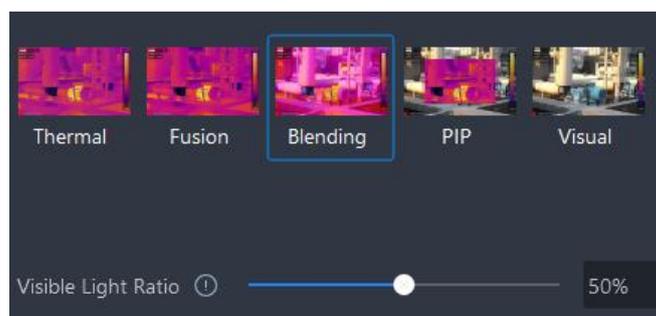
2.1.1 Fusion Alignment

In the Fusion mode, supports adjusting fusion alignment to align the visual image with the radiometric image. Supports adjusting the size and the location of the visual image.



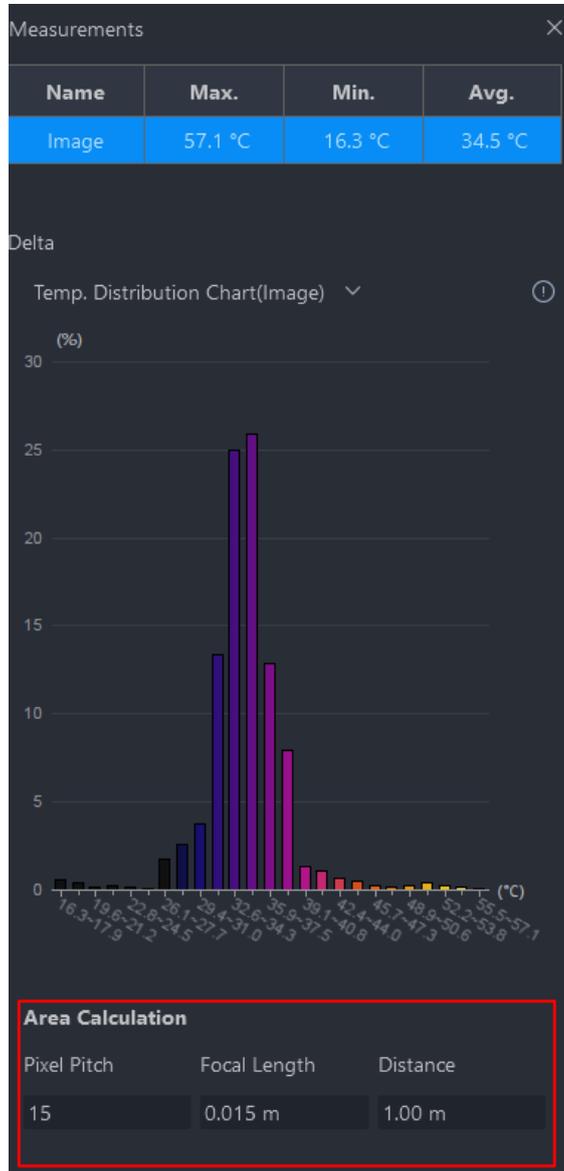
2.1.2 Blending

Supports setting the display mode as Blending. In this mode, supports adjusting the visible light ratio to get more details for making accurate decisions.



2.1.3 Area Calculation

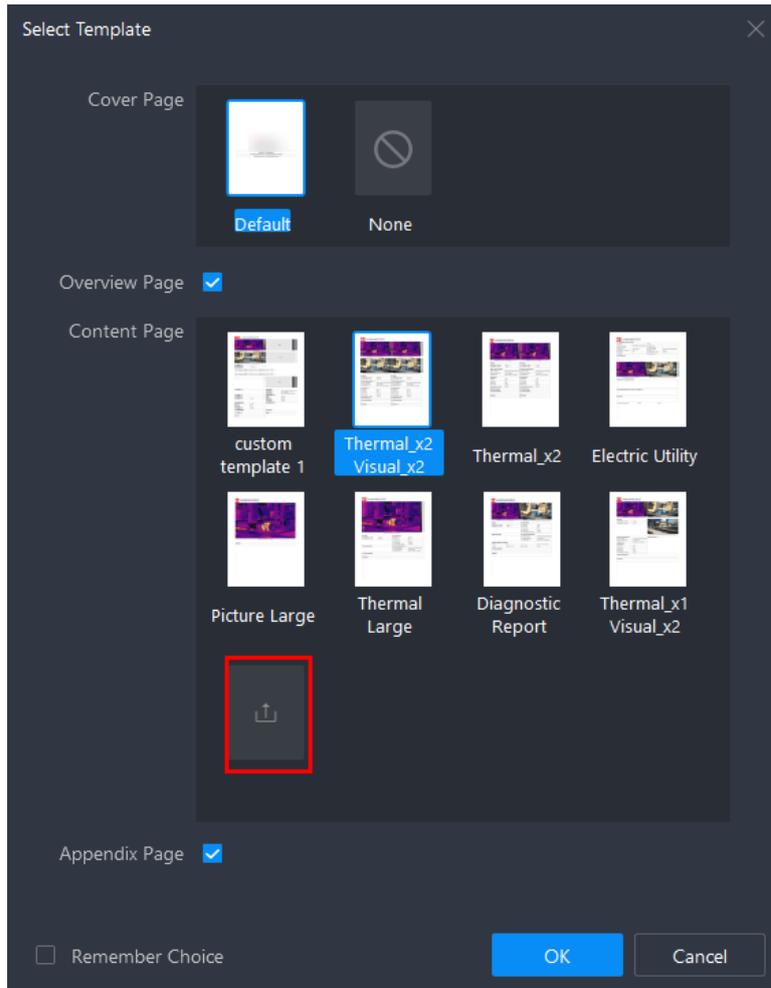
Supports calculating the area of the surface enclosed by area measurement tools (rectangle, polygon, circle, and ellipse).



2.2 Generate Report

2.2.1 Report Template

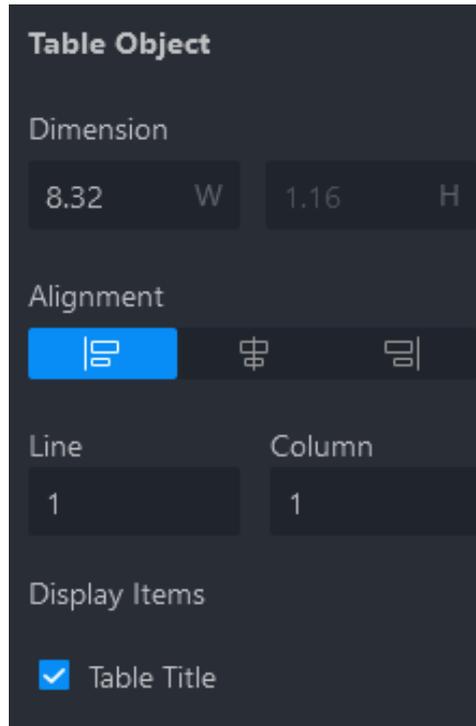
- Supports importing report template: before the editable report is generated, you can import template files in ART or DAT format to the client. All imported templates will be displayed in the Select Template window.



- Supports exporting report templates: after the report is generated and edited, you can export the content page as a template file in ART format to the local PC.

2.2.2 Report Objects

- Supports customizing table objects: you can adjust the width of the table, configure the number of lines and columns, double-click the cell to enter the text content, etc.



2.2.3 Edit Report

- Supports linking the Delta object and Measurements object by configuring the delta calculation. The values in the Measurements object will be displayed in colors that correspond to the delta range.

Measurements	
Image:Max. Temp.	53.2°C
Image:Min. Temp.	30.6°C
P1	34.0°C
L1:Max. Temp.	33.0°C
L1:Min. Temp.	31.5°C
FL1:Max. Temp.	39.7°C
FL1:Min. Temp.	35.7°C
R1:Max. Temp.	47.5°C
R1:Min. Temp.	35.5°C
Cr1:Max. Temp.	44.4°C
Cr1:Min. Temp.	32.9°C
Dt1:Diagnostic Report	0.0°C
Dt2:Diagnostic Report	19.2°C
Dt3:Diagnostic Report	20.2°C

Standard (Based on Delta)			
Normal	Note	Repair Later	Repair Immediately
< -85.0	-85.0 - 0.0	0.0 - 85.0	>85.0

2.3 Radiometric Video Analysis

2.3.1 Import Video

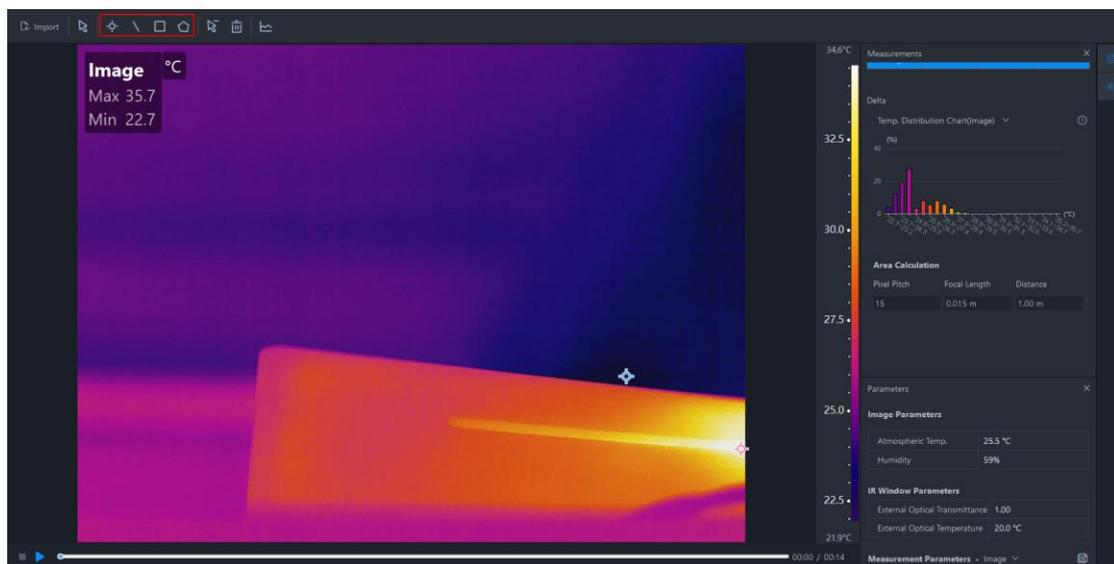
Supports importing and analyzing videos in RV format.

2.3.2 Play Video

Supports video playing, pausing, and stopping and deleting from the client.

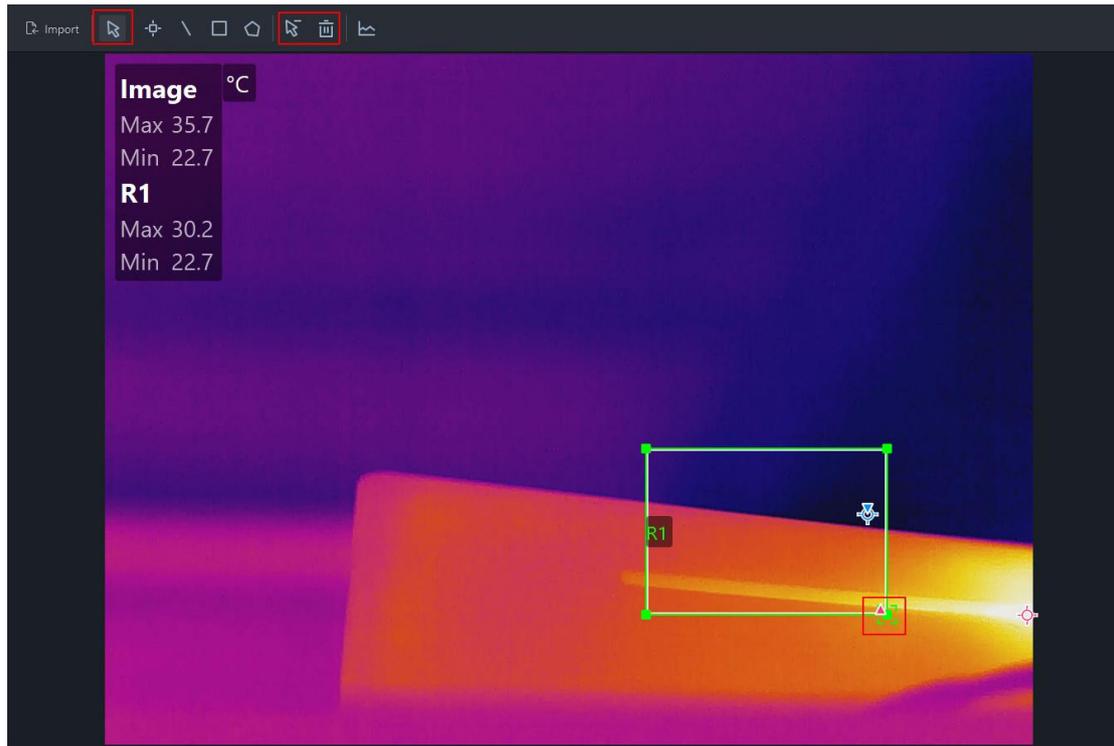
2.3.3 Add Measurement Tools

Supports adding one or more measurement tools (spot, line, rectangle, and polygon) on the video image to measure temperature. Supports displaying measured temperature in the Measurements pane.



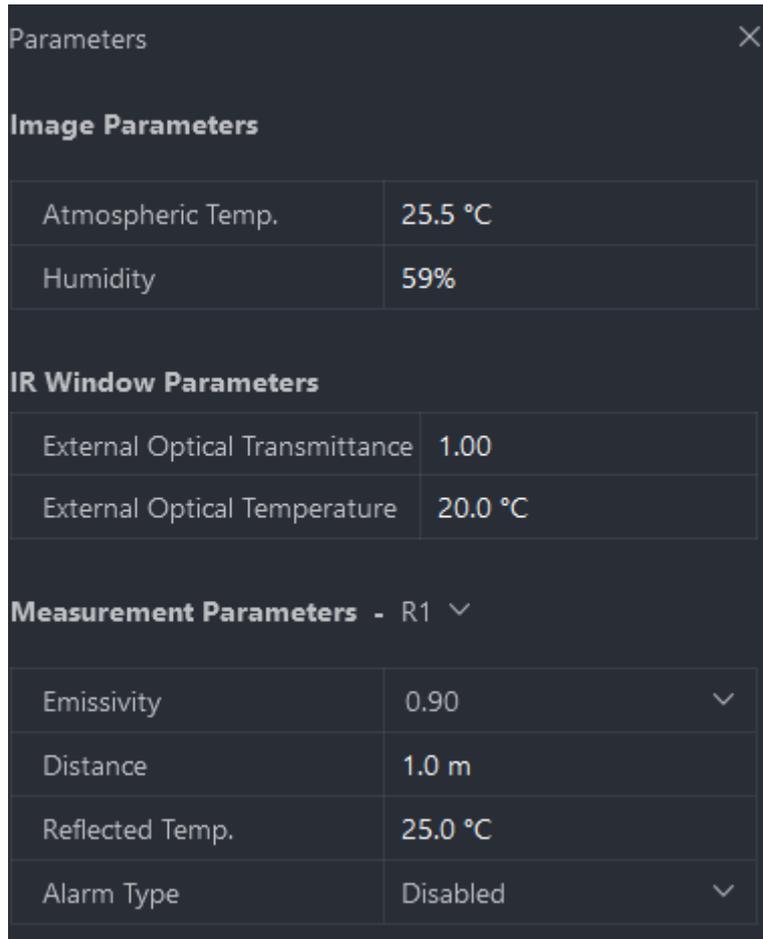
2.3.4 Edit Measurement Tools

Supports moving, deleting and resizing the added measurement tools.



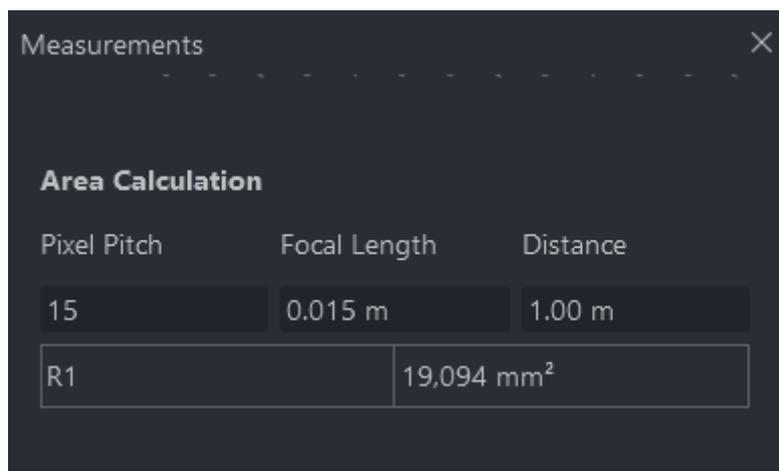
2.3.5 Set Measurement Parameters

Supports setting measurement parameters, including humidity, external optical transmittance, external optical temperature, and emissivity distance reflected temperature.



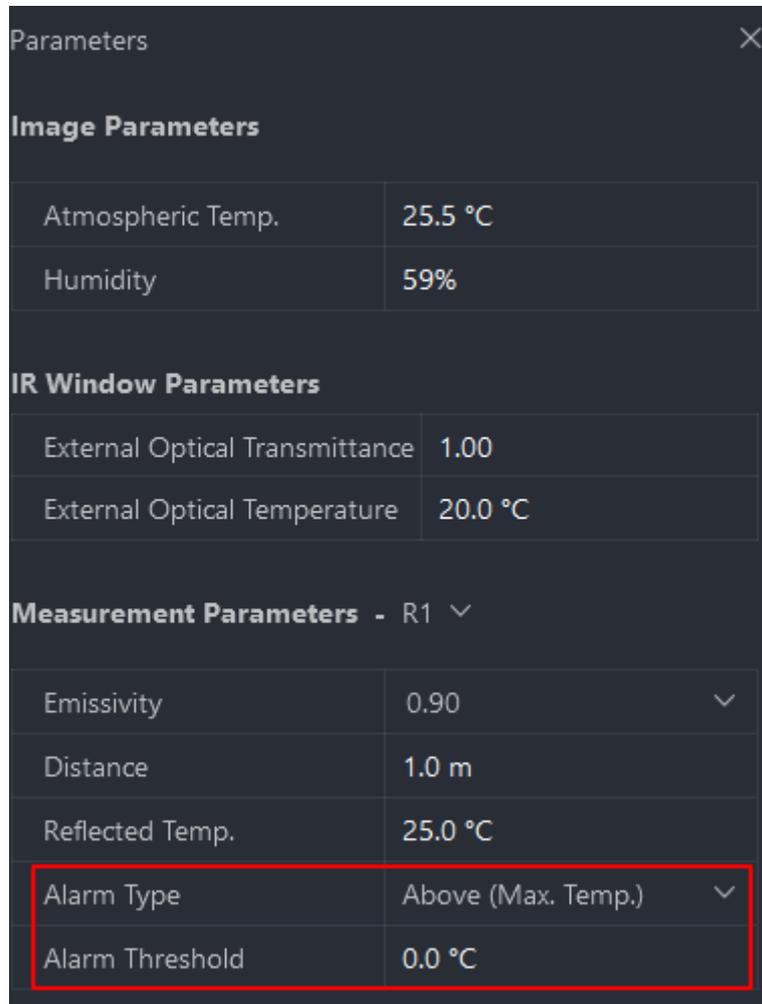
2.3.6 Area Calculation

Supports calculate the area of the surface enclosed by area measurement tools (rectangle and polygon).



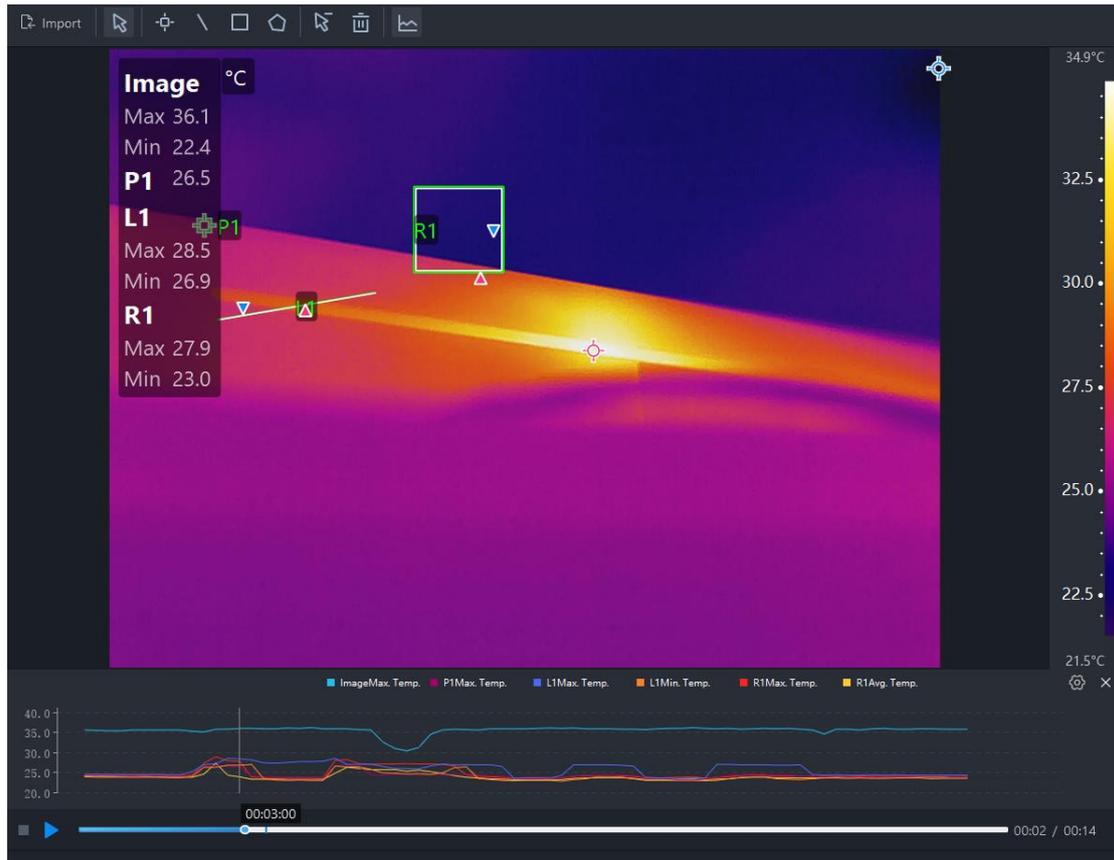
2.3.7 Temperature Alarm Analysis

Supports setting the alarm type and the alarm threshold. When the measurement results of a measurement tool is above or below the alarm threshold you set, the measurement tool will be displayed in corresponding alarm color you set. At the same time, the measurement results of the measurement tool in the Measurements pane will be displayed in red.



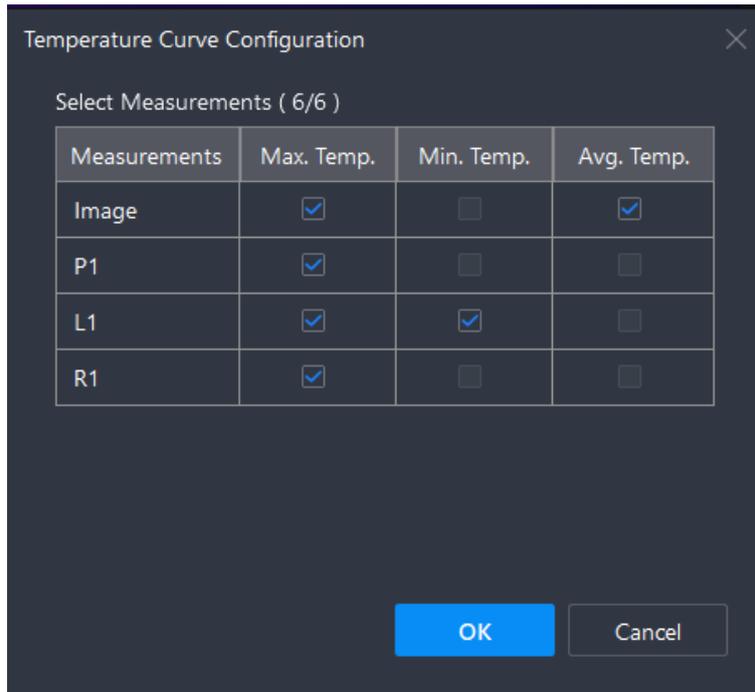
2.3.8 Display Temperature Curve

Supports displaying the timeline with temperature curve during video playing.



2.3.9 Configure Temperature Curve

Supports checking the curve(s) to be displayed as needed (max. temperature, min. temperature, average temperature, and measurements). Up to 6 curves can be displayed.



Chapter 3 Optimizations

HIKMICRO Analyzer 1.2.0 has been optimized to improve your experience with your device.

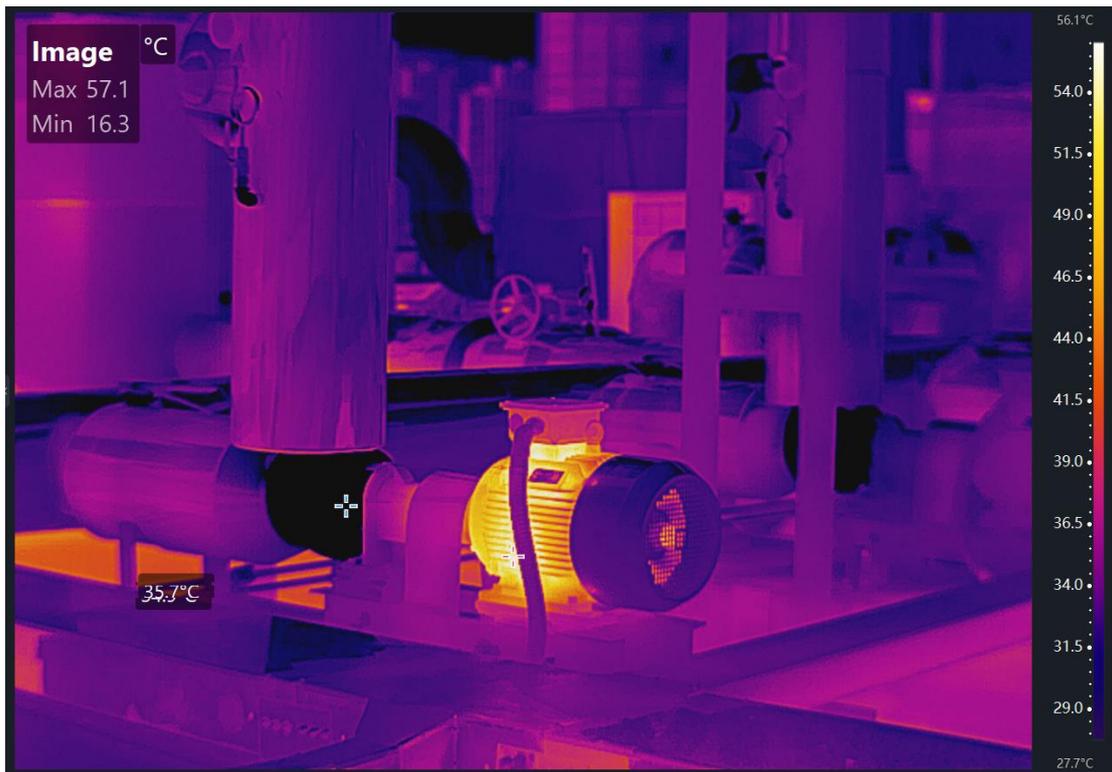
3.1 Image Management

Supports up to 350 images in a folder.

3.2 Image Analysis

3.2.1 Temperature Scale

When the Imaging Algorithm is linear, supports displaying the scale mark on the temperature scale.



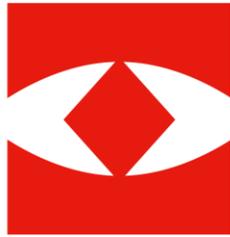
3.2.2 More

- Improved the consistency of temperature results between the client and some devices.

- Optimized the display of measurement tools to make it easier to be distinguished from the image.
- Improved the effect of Regional Image Enhancement function.
- Optimized the display of delta results: the results will be separately displayed in a table and the value will be absolute.

3.3 Export Report

- Optimized the report-editing feature: more flexible operations with the cursor and of line breaks.
- Optimized the text object feature: switchable font size and editable text content.
- Increased the number of allowed report pages to 350.



HIKMICRO

See the World in a New Way