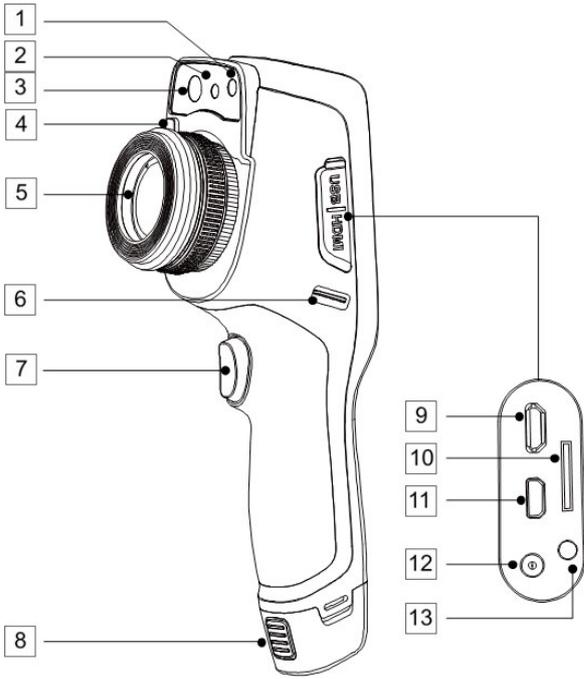# Sonel KT-400 / 200
Thermal Imager

- Laser locator installed in the camera may be dangerous to eyes, in case of direct contact!
- DO NOT DIRECTED THE LASER BEAM TOWARDS OTHER PERSONS OR ANIMALS!
- Please note that the laser beam may reflect off shiny surfaces.

Sonel®

v1.00 | 22.11.2019   CE

| 1	Flashlight	8	Battery release button
2	Laser pointer	9	Micro USB connector
3	Visual image camera	10	MicroSD card slot
4	Lens release button	11	Micro HDMI connector
5	Lens	12	Power supply connector
6	Wrist strap holder	13	Charging indicator
7	Trigger button		
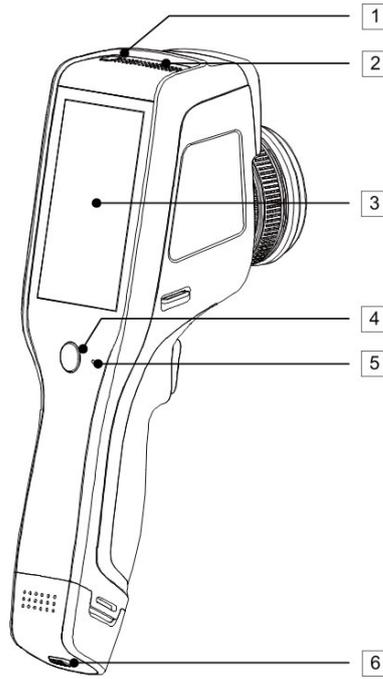
1	Power On/Off button
2	Speaker
3	LCD display
4	Return button
5	Microphone
6	Battery lock
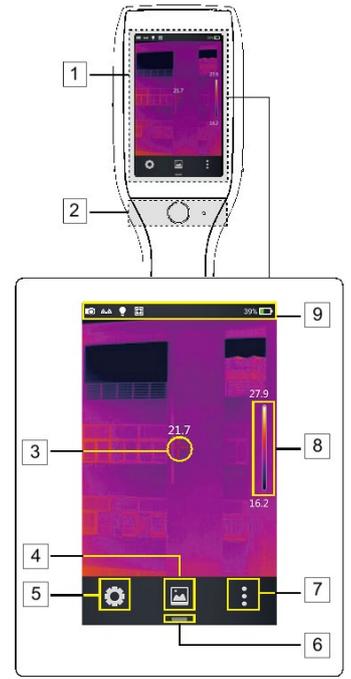
1	Display area	6	Shortcut menu button
2	Control area	7	Real-time editing mode
3	Central point cursor	8	Palette
4	Gallery	9	Status identification area
5	System settings		

First steps

1 Install memory card

2 Turn the camera on
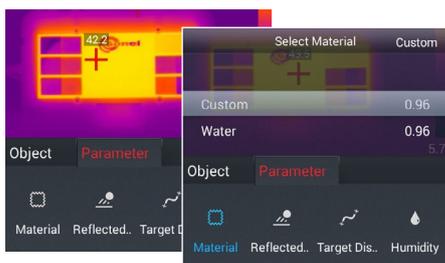

3 Set data storage location
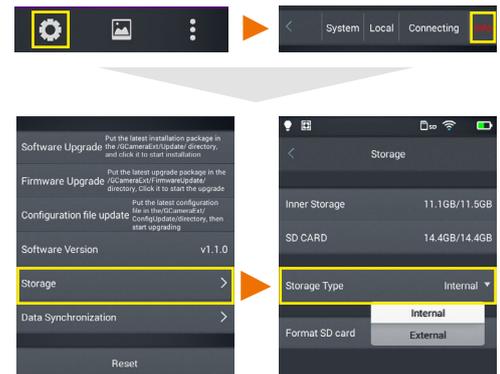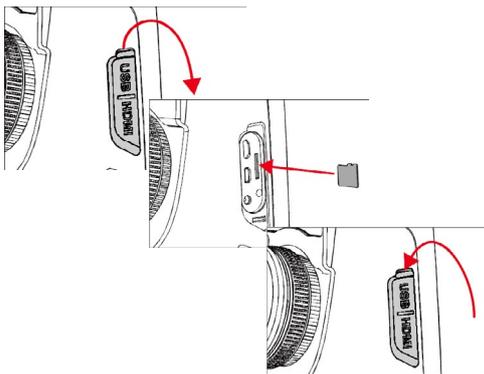
4 Observe the object

5 Select image mode

Infrared

Visible

Fusion

PIP

6 Take picture

2x
(default setting)
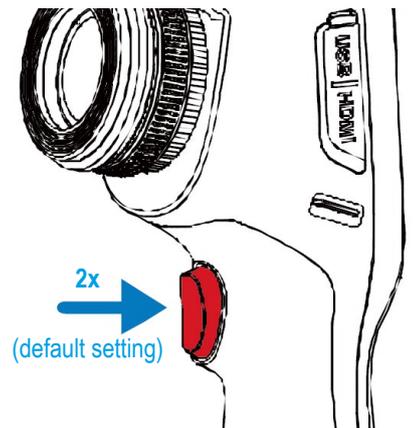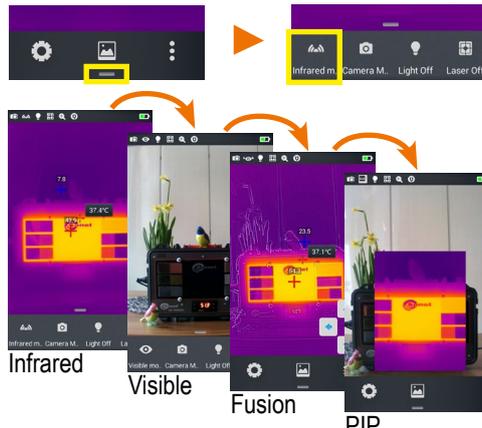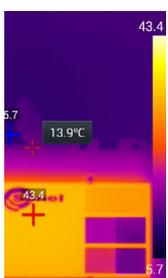
Temperature measurement

In real-time image mode tap the editing menu button. Select **Parameter**.

Select **Material** to change measured object's emissivity:
- set a custom value or
- select the material from list.

Tap the IR image on the screen to save changes and return to the real time mode.

To set **temperature range manually** tap the extreme values (lock symbols will appear) and set them in the way you desire.

To set **autoranging** double-tap these values.

To **calibrate** the camera double-tap outside of the temperature bar.

Thermoanalysis

In real-time image mode tap the editing menu button. Select **Object**.

Tap **Add Object**.

Temperature measurement of various analysis objects (lines, rectangles, circles, points) becomes available.
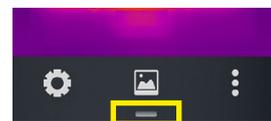
Press and hold any of the analysis objects for a few seconds to display an object menu.
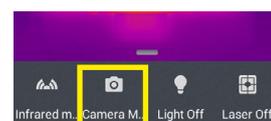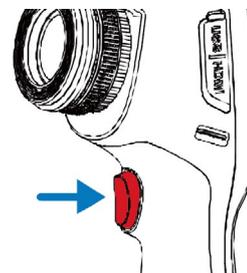
Video recording

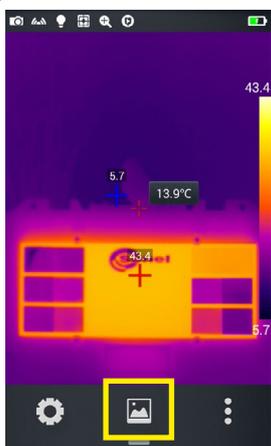Catch focus.

Tap shortcut button.

Select camera icon to run video recording mode.

Press trigger to start/stop recording.

File browsing

In real-time image mode select 🖼.

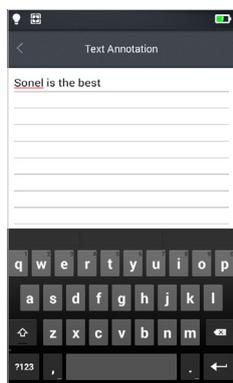Select type of shown files.

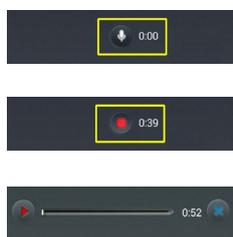Select the file.

Select source of stored data.

Adding notes

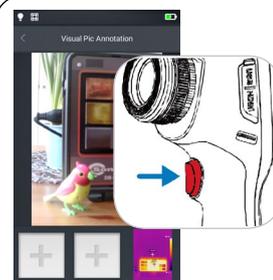After opening an image you can add to it four types of notes.

If you selected **Text**, access the note input field and enter the text note content.
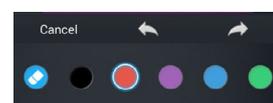
If you selected **Voice** tap:
- the 🎙 icon to start recording
- and ⏺ to stop.

Icon ▶ replays the recording. You can delete the note by pressing 🔄.

If you selected **Picture**, press the trigger button to take up to two photos in a visible light mode.

If you selected **Sketch**, use the eraser and line color buttons to draw on the screen the shape you want.

To exit notes tap the ‹ symbol.

Press **OK** to save the note or **Cancel** to exit without saving.

Find more information in the user manual and on our website www.**sonel**.pl/en