VOLTCRAFT_®

App Instruction Manual Voltcraft WBS-220

Item no. 2104425



2104425 V2

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Introduction

The thermal imaging camera, in combination with a smartphone with an Android-based operating system, allows image viewing and the analysis and processing of radiometric thermal imaging data recorded with the thermal imaging camera WBS-220.

To connect the camera, a USB-C port must be available. Likewise, the smartphone must support the USB OTG (On-The-Go) standard. The USB OTG standard allows certain devices to be connected and operated directly with the smartphone.

The camera is powered directly from the smartphone and does not require its own power supply.

To operate the thermal imaging camera, a free app is available for download in the Google Play App Store. When installing the app, fees may be incurred for the data connection or transmission. Please note the terms and conditions of your telephone service provider.

This Quick Start Guide serves to explain the software installation, screen elements and handling.

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General Information Important Information

Pay special attention to information in a blue-coloured frame.

The blue frame provides tips on product use and features.

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Requirements

Network Connection

- Smartphone with USB-C port and USB OTG standard
 - Operating system: Android 5.0 or later

Installation

Installing the app

Before reinstalling apps, make sure that your smartphone software is always up-to-date.

Open the Google Play App Store on your smartphone. If necessary, log in with your personal credentials to the Play Store.

Enter the name of the required app in the top search bar. The name is "Voltcraft Smart Thermal". Start the search by pressing the button with the magnifying glass icon (in the keypad). The "Voltcraft Smart Thermal" app should appear first on top. If this is not the case, please check your search term for possible spelling errors.

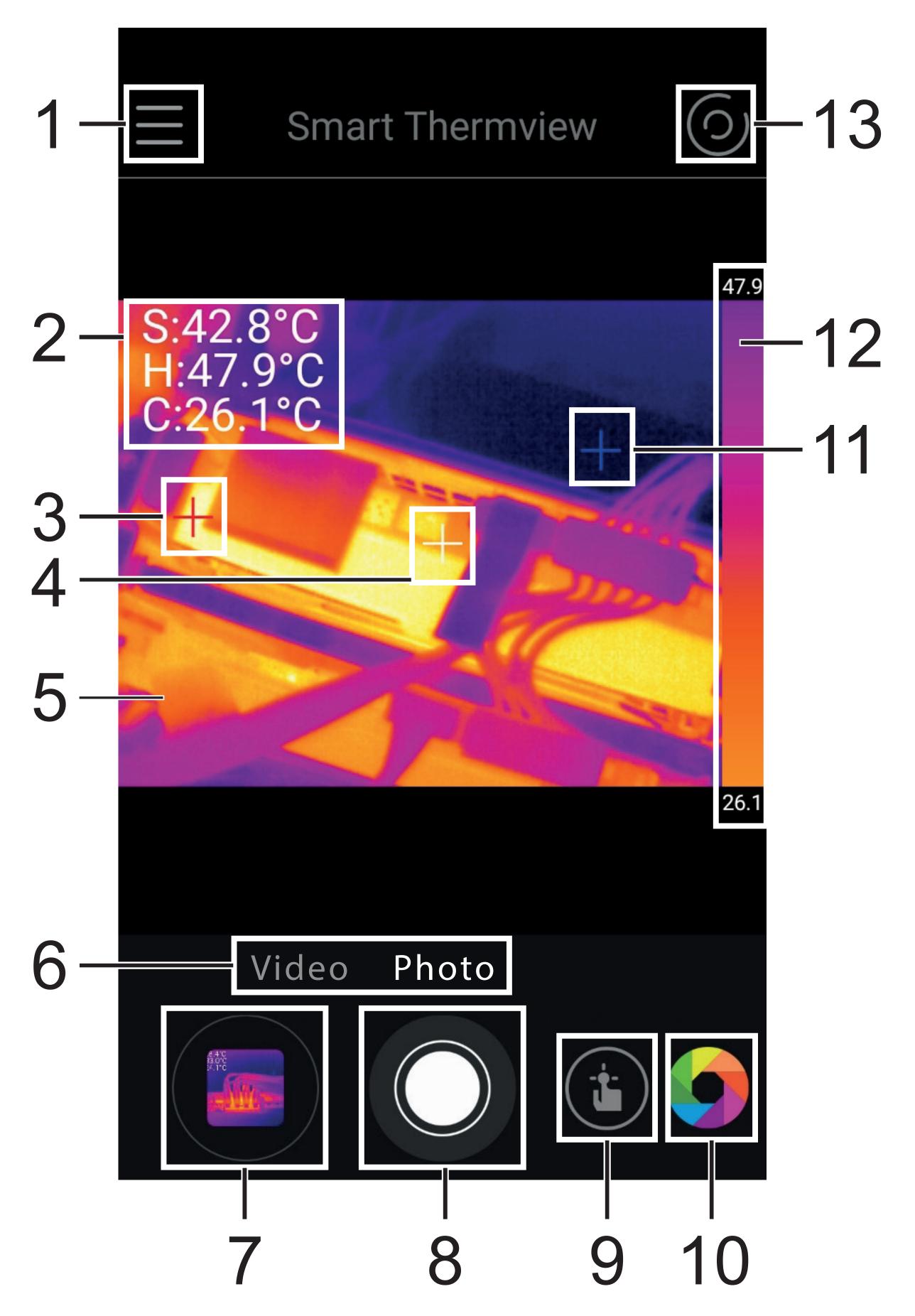
Select the app and press the "Install" button. The app will be installed on your smartphone.

After successful installation, the app can be started via the "Open" button.

Make sure your mobile device satisfies the minimum requirements as outlined on the app store download page.



The operation of the app is self-explanatory and menu-driven. The following sketch shows an overview of the control panels.



- 1. System menu
- 2. Temperature display for markers
 S = Spot (centre point)
 H = Hot (warmest point)
 C = Cold (coldest point)
- 3. Red marker for warmest point
- 4. White marker for centre point
- 5. Infrared image
- 6. Recording mode
 Photo = Single shot
 Video = Video recording
- 7. Image menu
- 8. Shutter button for image or video recording
- 9. Measurement menu
- 10. Menu for colour palettes
- 11. Blue marker for coldest point
- 12. Temperature range with colour scale
- 13. Marker menu

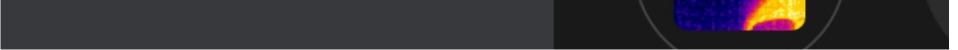
Explanation of the functions

The program interface is divided into different submenu areas.

System menu (1)

Smart Thermview	Smart
ကြ Home	
Files	

ᠮ᠕	Settings	
	Information	
		Video
		16,7°C 3∕,1°D 25,4°C

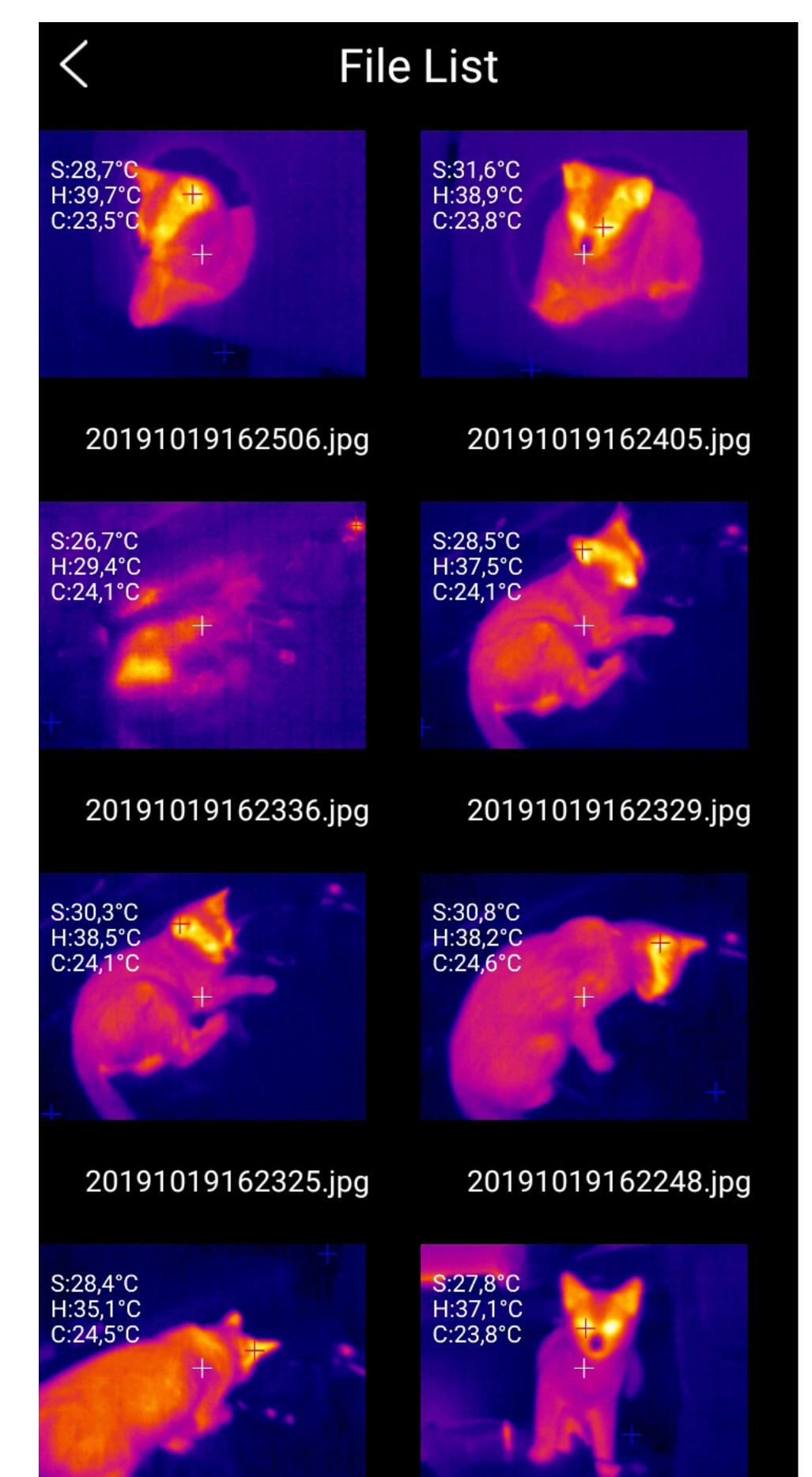


Home

Returns to the main display

Files

File list for photos and videos





Settings

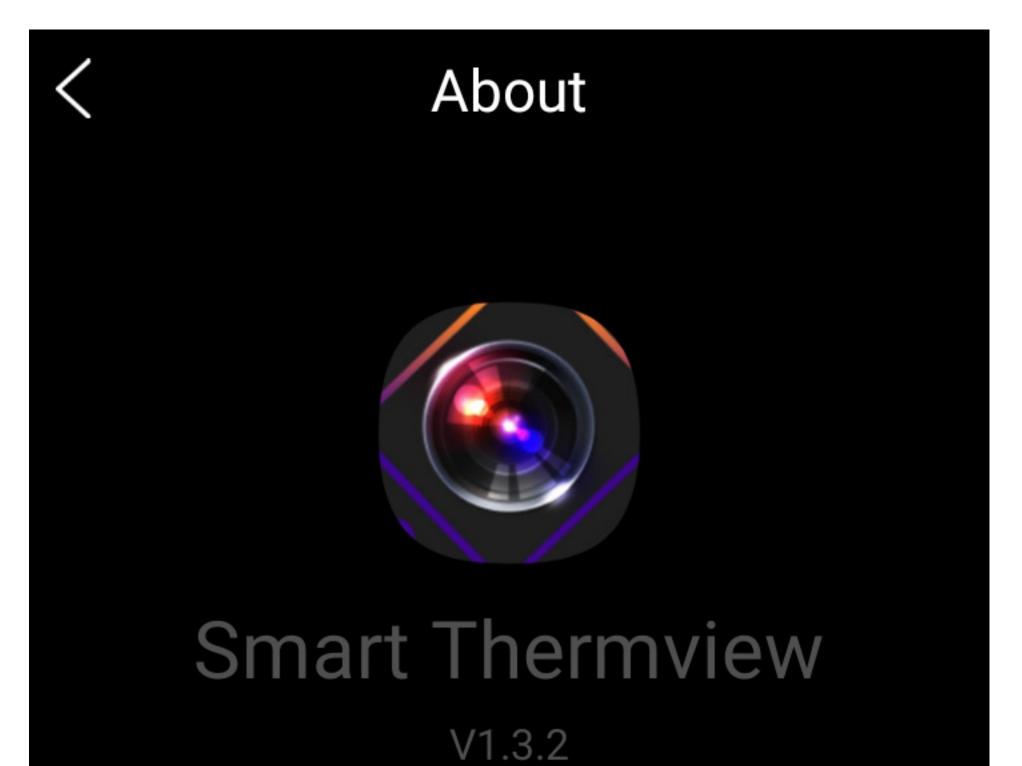
Basic setting of the temperature unit, display settings, storage path and report information.

<	Settings	
Temperature	e Unit	Celsius
Display Settings		
Library Path /storage/eermview/		
Report Settings		



Information

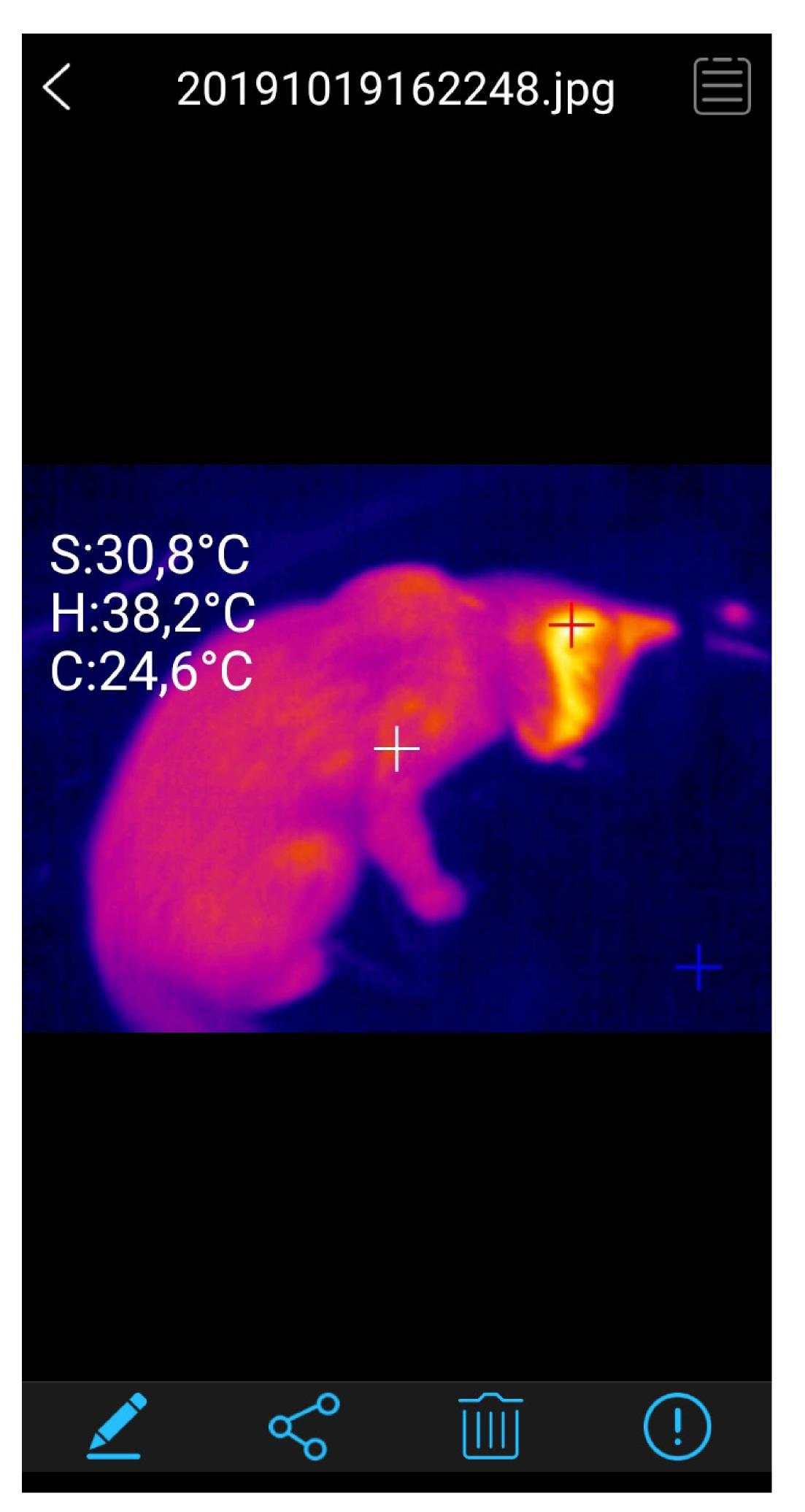
Version display



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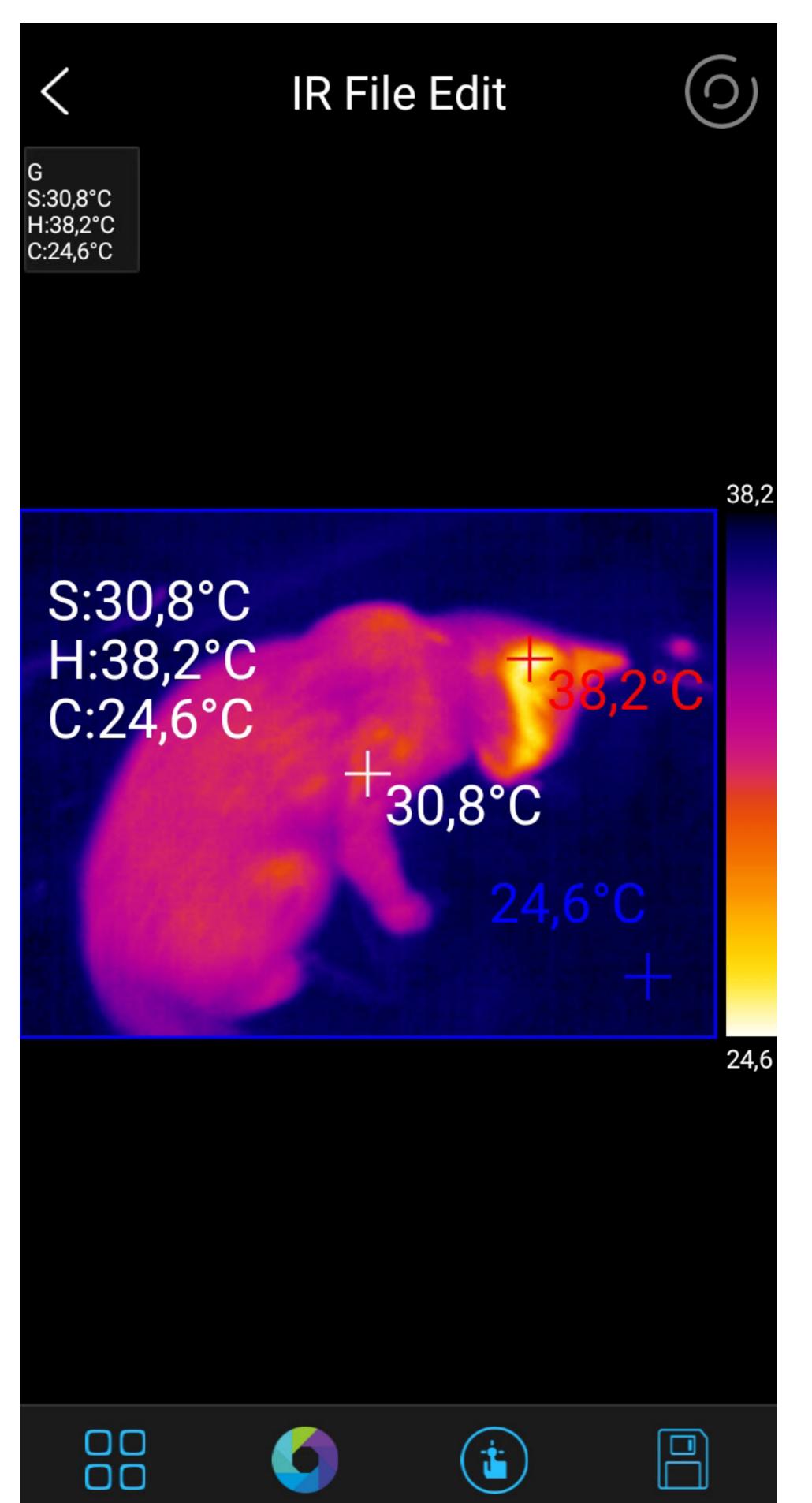
Image menu (7)

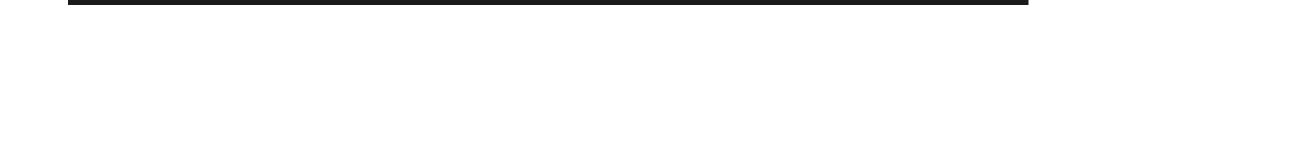




Pencil icon

The images can be edited. It is possible to subsequently change the colour palette or insert additional measuring markers. There is also a memory function for the edited images.



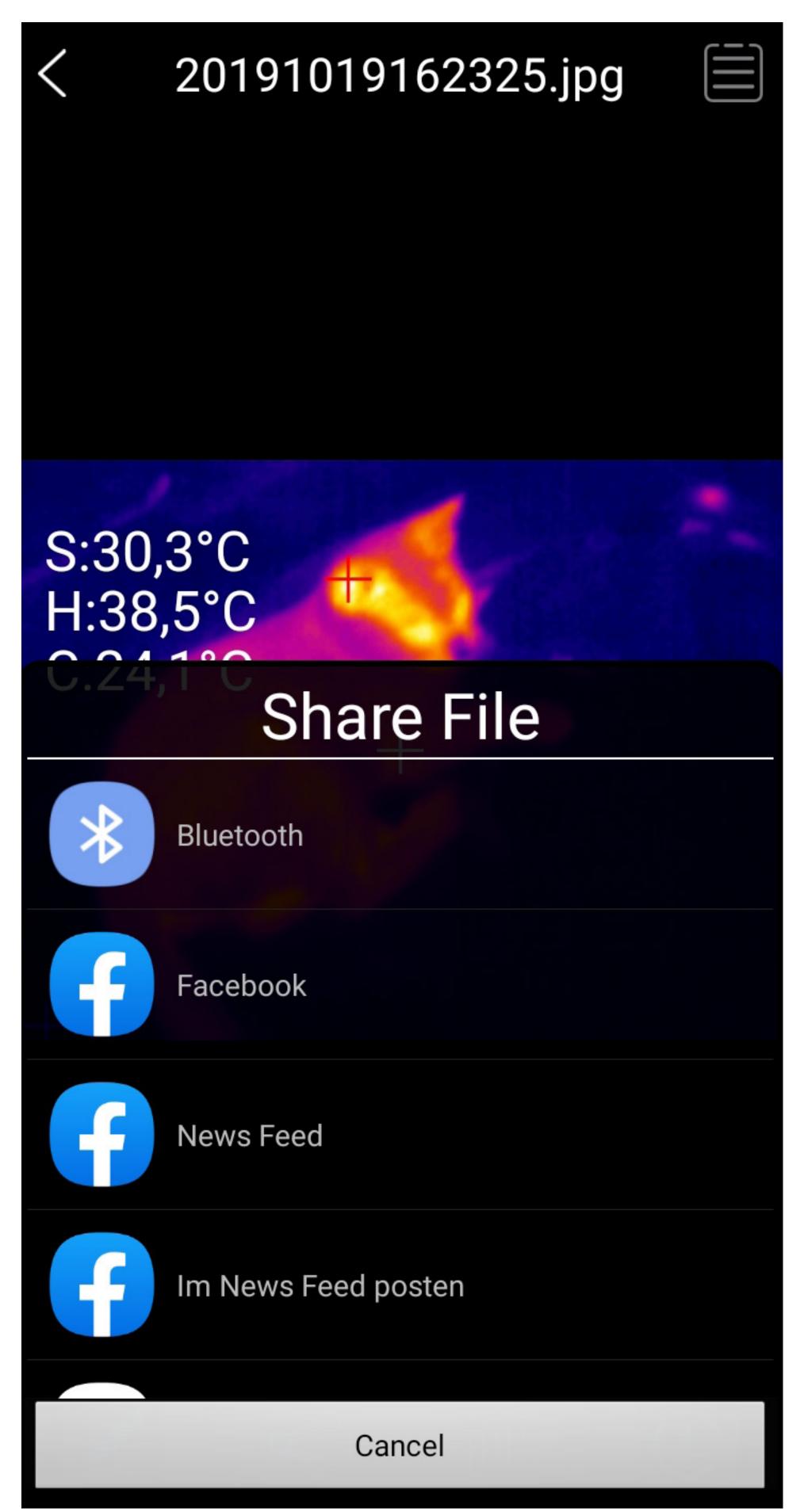


Radiometric data

The thermal imaging camera saves the corresponding radiometric temperature value for each pixel. This allows the later accurate analysis of the image data.

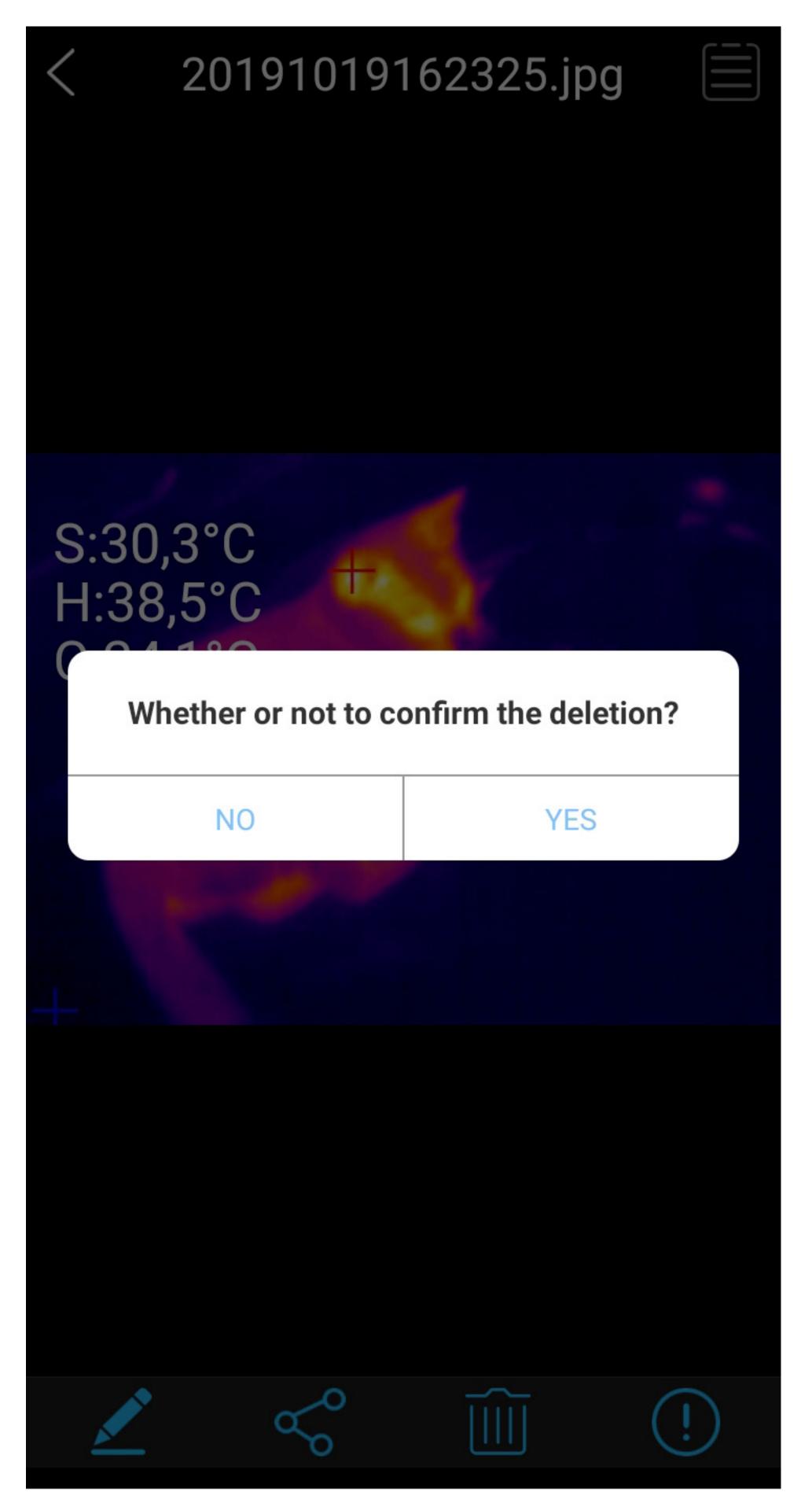
Network icon

Here, the recorded data can be shared via common social media channels or sent by e-mail. Likewise, a pdf export in the internal memory is possible.



Bin symbol

The current image can be deleted if necessary. YES = delete, NO = don't delete.



Information symbol

File information can be displayed (name, file size, image date).

<	20191019162325.jpg	
S:30 H:38	,3°C ,5°C File Attribute	

(File Information		
	File Name	20191019162325.jpg	
	File Size	351kb	
	Modification Date	2019-10-19 16:23:25	
_			



Measurement menu (9)



Point

A single measurement point can be freely set in the image.

Line

Area

Point

A line can be drawn in the image. Along this line, the coldest and warmest temperature points are displayed.

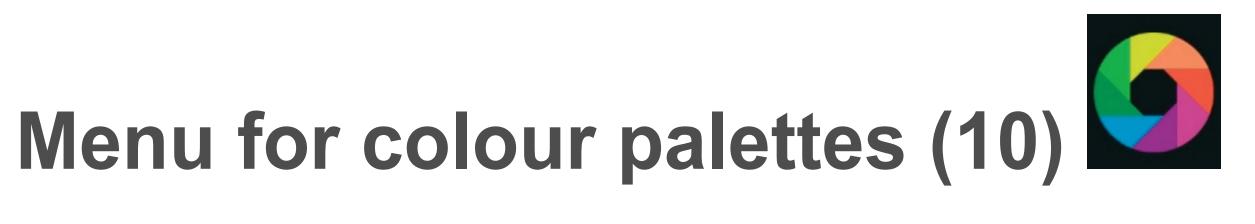
An area can be marked in the image. Within





this area, the coldest and warmest temperature points are displayed.

Alarm settings for Hi / Lo alarms can be set by clicking on the set measurement points in the image. The markers can also be deleted individually (Delete).



Here you can set 9 different colour palettes for displaying the thermal images.



Marker menu (13)

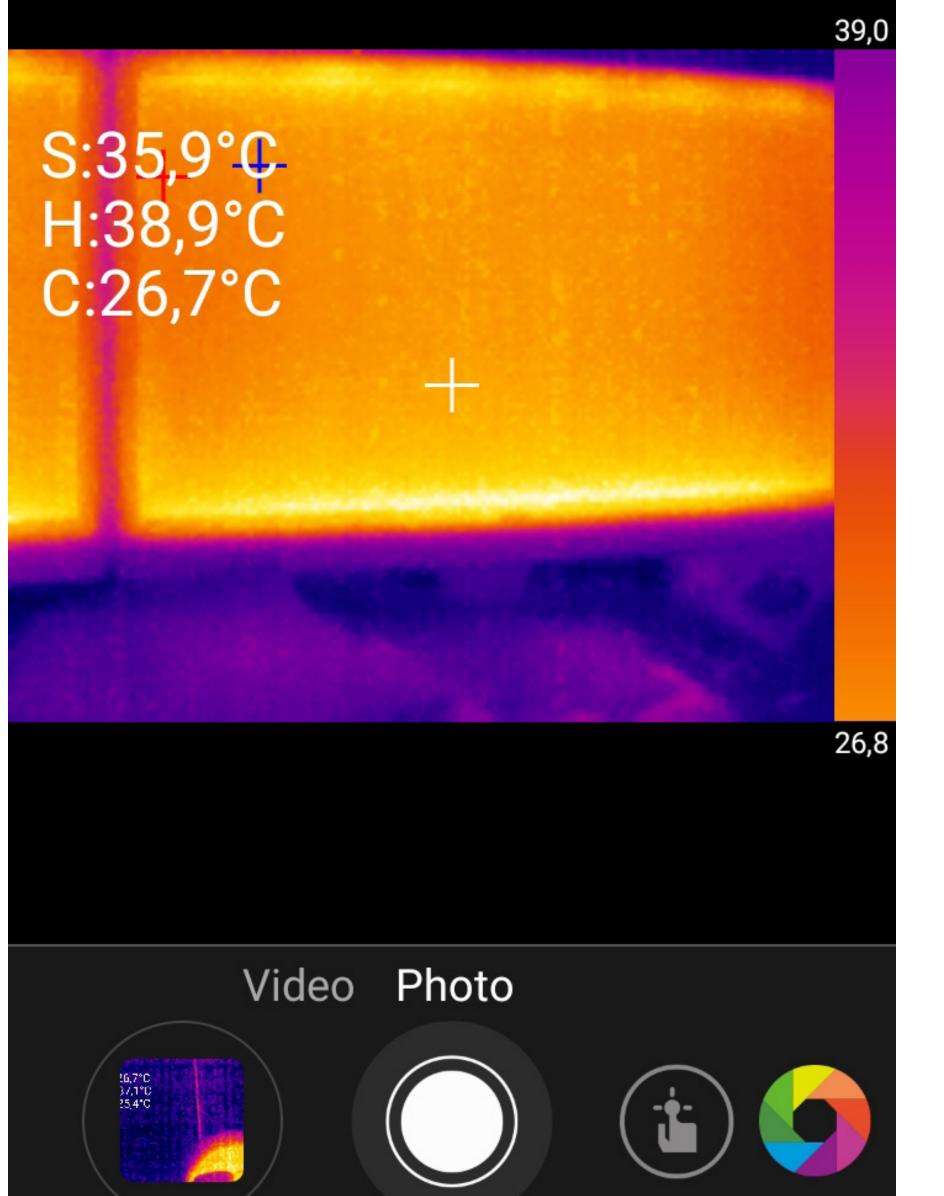


Auto Center Spot = Marker for centre of image

Auto Hot Spot = Automatic marker shows the warmest measuring point

Auto Cold Spot = Automatic marker shows the coldest measuring point

Smart Thermview		\bigcirc
	Auto Center Spot	
	Auto Hot Spot	
	Auto Cold Spot	





Retrieve thermal images on your smartphone

Thermal images and videos can be accessed within the app.

You can also access the video and image data from the standard "Gallery" app. The memory directory can be set in the "Smart Thermview" app.

Exiting the thermal imaging app

To exit the app, click on the home button on your smartphone. Carefully remove the camera from your smartphone and store it in the supplied pouch.