

TR20 | TR20 Pro

Handheld Thermal Camera

Quick Start Guide

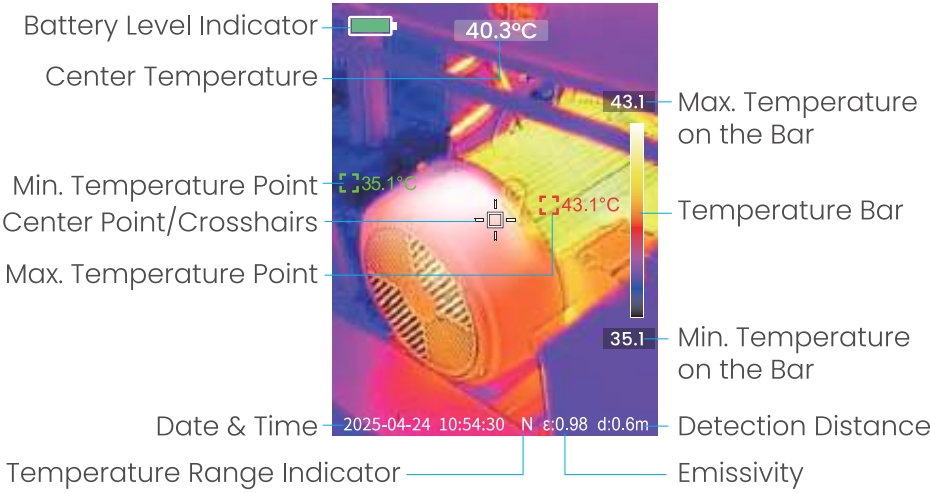
For FAQs, detailed user manuals, and more information,
please visit: mileseeytools.com

MILESEY[®] TOOLS

• **Product Overview**



• Display Icons



• Operation Instructions

Power on/off

Press and hold the power button () to turn on/off the device.

Settings

Press the SET button (**SET**) to enter the setting menu, use the ▲/▼ button to select items and adjust values, and press the SET button (**SET**) to confirm each setting.

Press the power button () to return to the previous page.

Settings include:

Emissivity
(0.01~0.99)

Distance
(0.3m~3m)

Ambient
Temperature



Temperature Range
(Normal: -20°C ~ 150°C ;
High: 100°C ~ 550°C)



Temperature Units
($^{\circ}\text{C}$ / $^{\circ}\text{F}$)



Palette
(White Hot/Black Hot/
Iron/Rainbow/Blend/
Red Hot/Blue Hot/
Green Hot)



HI/LO Alarm
(Alarm on/off, Buzzer
on/off, Temperature
values)



Display
(Hotspot/Coldspot/
Centre Spot/Palette/
Measure Parameter
/Clock & Battery)



Display Brightness
(Low/Mid/High)



Date & Time
(Use ◀/▶ to select
different items, and use
▲/▼ to adjust value)



Correction



USB Mode
(USB Disk/USB Camera)



Snap Mode
(Alarm Triggered/Time
Triggered/Time Set)



Auto Power Off
(5min/10min/30min/
Off)



Language



Format Disk



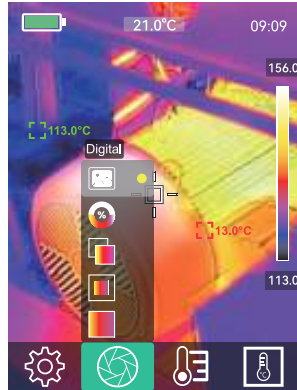
Factory Reset



Device Info

Image Mode (TR20 Pro Only)

Press the SET button (**SET**) to enter the Image Mode menu, use the ▲/▼ button to select among Digital, Fusion Rate, Fusion Offset, PIP and Thermal, press the SET button (**SET**) again to confirm.

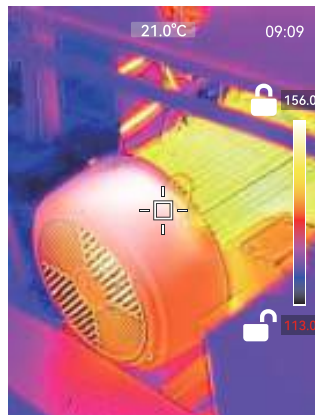
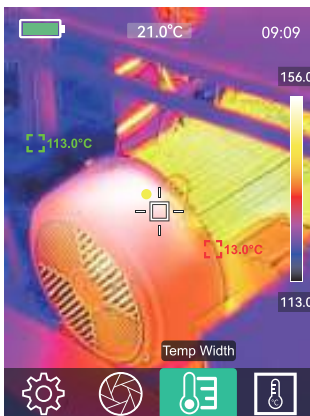


Temperature Width

By adjusting the temperature width, users can make the thermal imaging more prominent in the set temperature range.

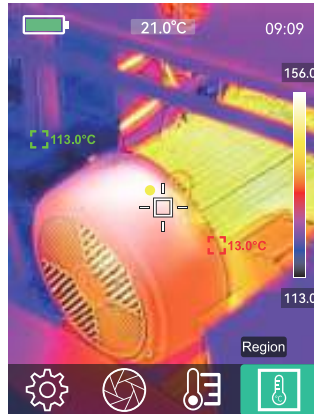
Press the SET button (**SET**) to enter the Temperature Width setting, press the SET button (**SET**) again to select which temperature value to adjust (maximum, minimum or both as the same time) , and use the ▲/▼ button to adjust the value.

***When the lock icon opens, it indicates the value can be adjusted.**



Regional Temperature Detection

Press the SET button (**SET**) to enter the Region mode, press and hold the navigation buttons to expand or narrow the range of the box. Under this mode, the device only measures the temperature within the box.



Take Pictures/Videos

Pictures: Short-press the trigger button.

Videos: Long-press the trigger button to start and stop recording.

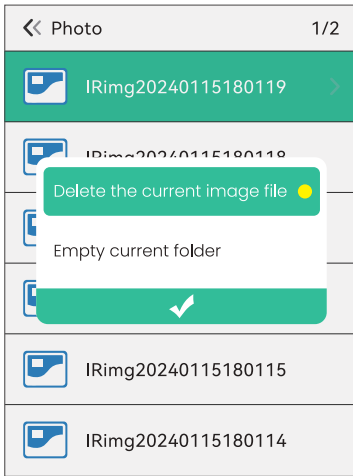
*Pictures and videos are automatically saved to the memory after you take them.

View/Delete Pictures/Videos

Press the Memory button (⏏) to enter the picture and video memory, press the SET button (**SET**) to enter folder, file, picture preview and video playback.

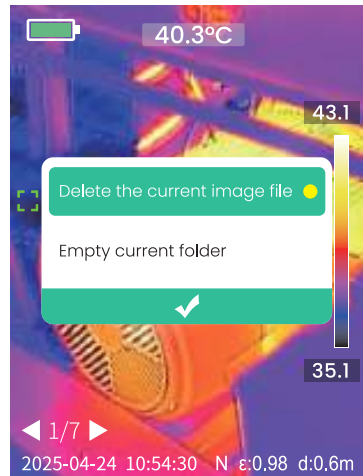
View pictures: Press ◀/▶ in the preview page to switch between pictures.

Delete pictures: Press ◀/▶ in the file page or press the SET button (**SET**) in the preview page to delete pictures or empty the folder.



File Page

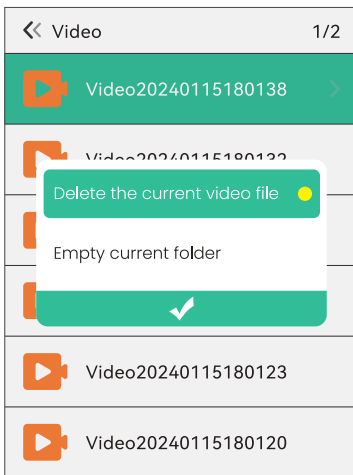
OR



Preview Page

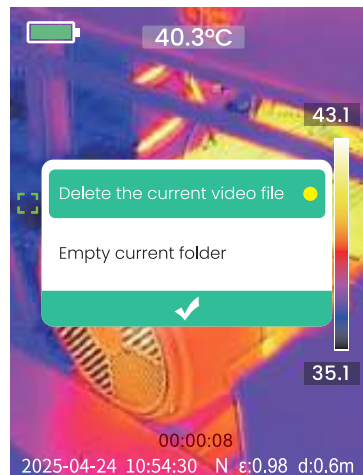
Video playback: Press the SET button (**SET**) in the preview page to play/pause videos.

Delete videos: Press ◀/▶ in the file page or in the preview page to delete video or empty the folder.



File Page

OR



Preview Page

Shortcut Buttons

In the home interface, use the navigation buttons for shortcut functions.

►: Turn on/off the display.

◀: Imaging calibration.

▲/▼: Switch image mode.

• Product Specifications

Model	TR20/TR20 Pro
IR Resolution	320*240
FOV	50°× 37.2°
NETD	< 40mK
Frame Rate	50Hz
Digital Camera Resolution	2MP (TR20 Pro Only)
Display	2.8" LCD Display, 480*640
Temperature Range	-20°C to 550°C
Measuring Accuracy	±2%
Memory	8GB
Distance Range	0.3m~3m
Battery Capacity	5,000mAh
Operating Temperature	-10°C to 50°C
Storage Temperature	-20°C to 60°C

Charging Port	USB-C
Dimensions	224*91.6*76mm

*All data are measured and provided by the MILESEEEY Lab, the actual use will be slightly different depending on the specific circumstances.

• Safety Instructions

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For accuracy of the measure results and your own safety, please follow the instructions in this user manual when using the product, otherwise the damage resulted won't be covered by the warranty.
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Please use a wet cloth or mild soap detergent to clean the outer casing of the product. DO NOT use abrasives, isopropyl alcohol or solvents to clean the product.
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Avoid using the product in flammable, explosive, steamy or corrosive environments.
- 

Please stop using the product if it is damaged or modified to avoid inaccurate measure results.
- 

Please set the correct emissivity value for the inspected object to obtain accurate temperature readouts.
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It's recommended to wait for 2 minutes after power-on for the internal temperature to resume stable, and then start taking measurements.



The internal temperature of the product will rise during charging and can lead to inaccurate temperature measurements, so it's NOT recommended to use the product to take measurements during charging or right after charging.



Disposal:

Commitment to Environmental Protection: Environmental protection is a shared responsibility. Be mindful of their environmental impact while using this product.

Battery Disposal: Disposing of waste batteries in household garbage is strictly prohibited. Please ensure that waste batteries are disposed of at designated collection stations for proper handling.

Product Disposal: This product should not be discarded with regular domestic waste. Instead, it must be disposed of in accordance with local regulations and guidelines specific to your country/region.

• Copyrights

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