

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [GOYOJO](#) /

> [GOYOJO GH192 Thermal Imaging Camera User Manual](#)

GOYOJO GH192

GOYOJO GH192 Thermal Imaging Camera User Manual

Model: GH192 | Brand: GOYOJO

1. INTRODUCTION

The GOYOJO GH192 is a handheld thermal imaging camera designed for various inspection tasks, including mechanical maintenance, home HVAC, and electrical inspections. It features a 240x240 super IR resolution, a 2MP visual camera, and fusion imaging capabilities to provide detailed and accurate thermal data. This manual provides essential information for the safe and effective operation of your device.

2. WHAT'S IN THE BOX

Please check the contents of your package upon receipt:

- Thermal camera body
- Wrist strap lanyard
- USB-C cable
- Instruction Manual

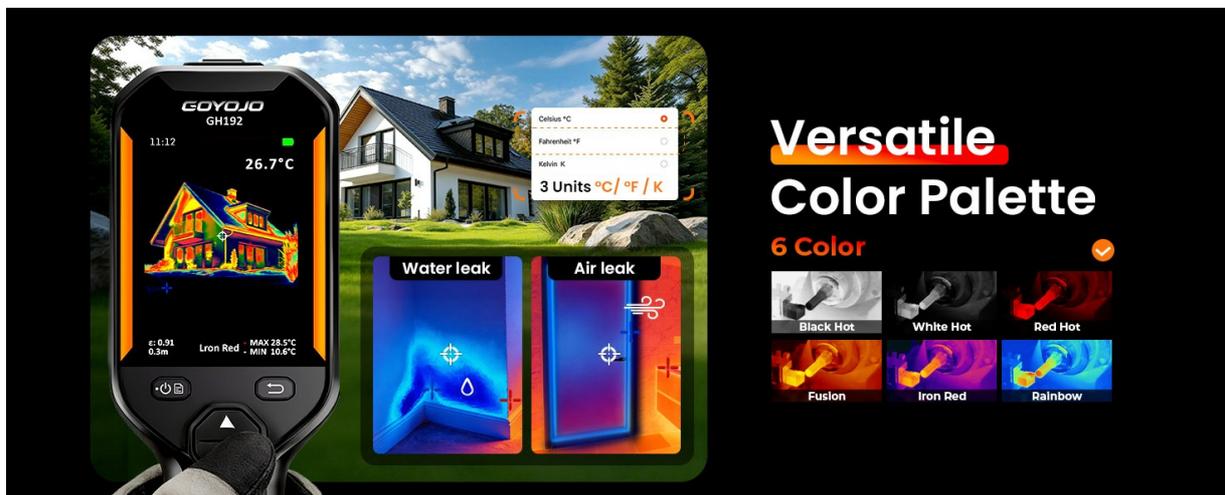


Figure 2.1: Package Contents of the GH192 Thermal Imaging Camera.

3. PRODUCT FEATURES

- **Dual Light Fusion Imaging:** Equipped with a 2MP visible light camera and an infrared camera, the GH192 offers a 2.8" 240x320 IPS display and a 25Hz frame refresh rate. This enables faster response and more detailed inspections by outlining target objects upon activation. *Note: Enable "File Transfer" in settings before exporting images.*
- **Auto Temperature Tracking + Temperature Alarm:** The imager automatically captures center point temperature and locks onto high/low temperatures within a range of -4°F to 1022°F. It features 3-point heat tracking (target temp, minimum temp, maximum temp). High-temperature and low-temperature alarms provide clear alerts on the screen for temperature abnormalities.
- **3 Image Modes And 6 Color Palettes:** Choose from Fusion, Thermal, and Conventional Light modes. Six adjustable color palettes are available: White Hot, Black Hot, Iron Red, Rainbow, Red Hot, and Fusion, allowing selection based on specific work needs.
- **Durable & Portable Design:** Offers up to 8 hours of runtime and USB-C charging. It is 6.6ft drop-resistant and IP54 rated, ensuring durability for tough use.
- **Professional-Grade Accuracy:** Provides a precision of $\pm 2^{\circ}\text{C}$. Emissivity can be adjusted based on materials (e.g., wood, bricks) and object distance can be modified for accurate temperature readings across various surfaces. Suitable for home inspections, facility maintenance, HVAC troubleshooting, and electrical/mechanical system checks.



GOYOJO

GOYOJO
GH192

11.12 28.7°C

ε: 0.91 MAX 28.5°C
0.3m Iron Red MIN 10.5°C

Thermal Imaging Master

		 x2	
240*240	-4°F~1022°F	IR & Visual	8H
Super Resolution	Range	Camera	Runtime

Figure 3.1: Dual Camera and Fusion Imaging.



Figure 3.2: Automatic Temperature Tracking and Alarms.



Figure 3.3: Versatile Color Palettes.

4. SETUP

4.1 Charging the Device

Before first use, fully charge the GH192 using the provided USB-C cable. Connect the USB-C end to the camera's charging port and the USB-A end to a compatible power adapter (not included) or a computer USB port. The battery indicator on the display will show charging status.

4.2 Powering On/Off

- To power on: Press and hold the power button (usually located on the side or front panel) until the display lights up.
- To power off: Press and hold the power button until the device shuts down.

4.3 Initial Settings

Upon first power-on, you may need to configure basic settings:

- **Language:** Navigate to "Settings" > "More Settings" > "Language" to select your preferred language.
- **Time & Date:** Set the correct time and date for accurate timestamping of images.

- **Temperature Units:** Choose between Celsius (°C) or Fahrenheit (°F) in "Settings" > "More Settings" > "Temperature Units".

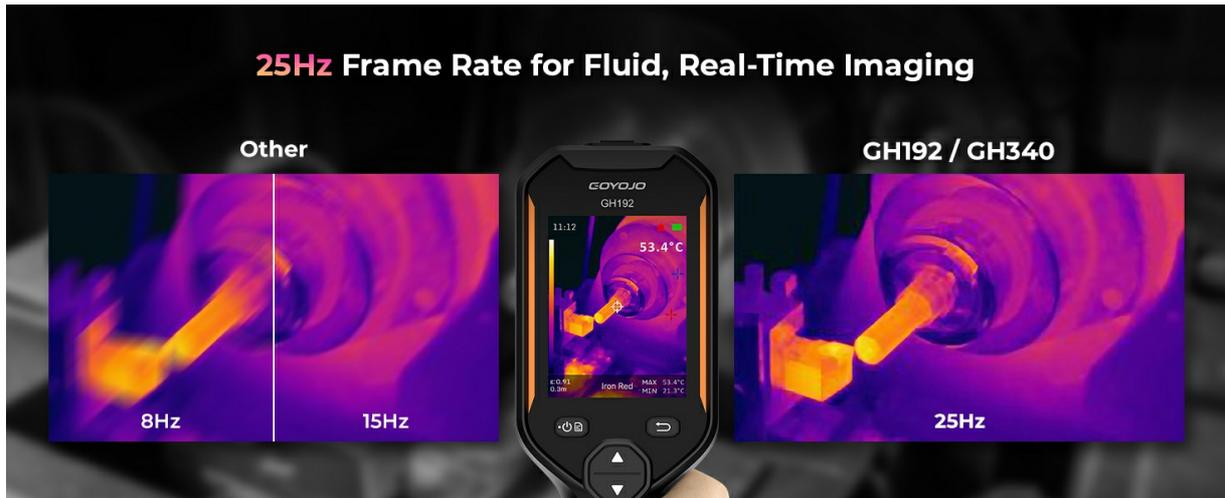


Figure 4.1: Enabling File Transfer in Settings.

5. OPERATING INSTRUCTIONS

5.1 Navigating the Interface

The GH192 features intuitive button controls:

- **Power/Confirm Button:** Powers the device on/off and confirms selections in menus.
- **Back Button:** Returns to the previous screen or menu.
- **Up/Down Navigation:** Used to scroll through menu options or adjust settings.
- **Trigger Button:** Captures and saves images.



Figure 5.1: Device Overview and Controls.

5.2 Image Modes and Color Palettes

To switch between image modes (Fusion, Thermal, Conventional Light) or change color palettes (White Hot, Black Hot, Iron Red, Rainbow, Red Hot, Fusion), use the navigation buttons or access the "Palettes" option in the settings menu.

The Fusion mode overlays thermal data onto visible light images for enhanced detail and easier identification of heat sources.

Your browser does not support the video tag.

Video 5.1: Demonstration of different image modes and color palettes on the GOYOJO Thermal Camera.

5.3 Adjusting Emissivity and Distance

For accurate temperature readings, adjust the emissivity setting based on the material being inspected. Navigate to "Settings" > "Emissivity" and select from predefined materials (e.g., Human Skin, Printed Circuit Board, Cement Concrete, Ceramic, Rubber, Paint, Wood, Asphalt, Brick, Sand, Soil, Cotton, Cardboard, White Paper, Water) or set a custom value. Adjust the object distance in "Settings" > "Distance" for optimal focus and accuracy.

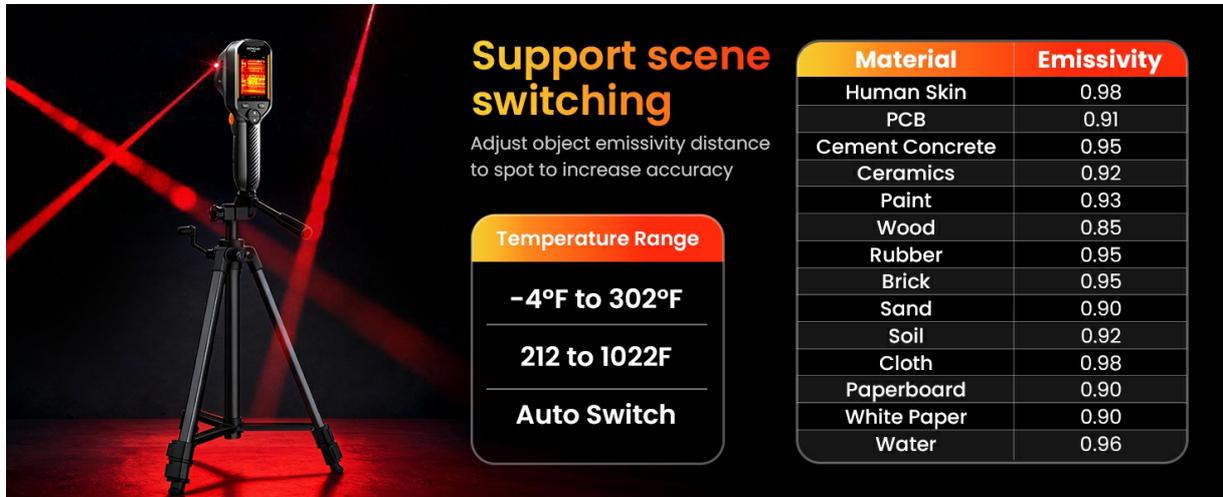


Figure 5.2: Emissivity Settings for Different Materials.

5.4 Temperature Alarms

Enable and configure high/low temperature alarms in "Settings" > "Temperature Alarms". When a target's temperature exceeds or falls below the set thresholds, a visual alert will appear on the screen.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device body. For the lens, use a lens cleaning cloth and solution. Do not use abrasive cleaners.
- **Storage:** Store the camera in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For long-term storage, ensure the battery is charged to approximately 50%. Recharge periodically to maintain battery health.

7. TROUBLESHOOTING

- **Device not powering on:** Ensure the battery is sufficiently charged. Connect to a power source using the USB-C cable.
- **Inaccurate temperature readings:**
 - Check and adjust the emissivity setting for the material being inspected.
 - Verify the object distance setting is appropriate.
 - Ensure the lens is clean and free from obstructions.
- **Cannot transfer files to PC:**
 - Ensure "File Transfer" is enabled in "Settings" > "More Settings".
 - Use the provided USB-C cable and ensure it's securely connected.
 - Try a different USB port on your computer.
- **Screen is too dim/bright:** Adjust brightness in "Settings" > "More Settings" > "Brightness".

Your browser does not support the video tag.

Video 7.1: Detailed review and demonstration of the GOYOJO Thermal Imaging Camera, including settings and various applications.

8. SPECIFICATIONS

Model Number	GH192
IR Resolution	240x240 pixels
Visual Camera	2MP
Display	2.8" 240x320 IPS LCD
Frame Rate	25Hz
Temperature Range	-4°F to 1022°F (-20°C to 550°C)
Accuracy	±2°C
Storage	8GB Internal (40,000+ photos)
Battery Life	8 hours runtime
Charging	USB-C
Drop Resistance	6.6ft (2m)
IP Rating	IP54
Product Dimensions	10 x 4 x 3 inches
Item Weight	9.2 ounces

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided in the included warranty card or visit the official GOYOJO website. Keep your purchase receipt as proof of purchase for warranty claims.