GreenTouch GT-TM215

GreenTouch 21.5 Inch Open Frame LCD Touch Screen Monitor Instruction Manual

Model: GT-TM215

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your GreenTouch 21.5 Inch Open Frame LCD Touch Screen Monitor. This monitor is designed for various applications, including outdoor kiosks, gaming machines, and industrial automation systems, offering high brightness and precise multi-touch capabilities.

The GreenTouch 21.5-inch monitor features an ultra-bright 1000 nits display for superior visibility in diverse lighting conditions. It incorporates Projected Capacitive (PCAP) technology, supporting up to 10 touch points for interactive applications. Its robust industrial-grade design ensures reliable performance in demanding environments, and the 1920x1080 resolution delivers sharp, clear visuals.

Image 1: Front view of the GreenTouch 21.5 Inch Open Frame LCD Touch Screen Monitor.

2. SETUP

2.1 Unboxing and Inspection

Carefully open the packaging and remove the monitor and all accessories. Inspect all components for any signs of damage. If any items are damaged or missing, please contact customer support immediately.

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Video 1: Unboxing and accessory overview for the GreenTouch 1000 Nits high brightness open frame touchmonitor.

2.2 Package Contents

The package should include:

- GreenTouch 21.5 Inch Open Frame LCD Touch Screen Monitor
- Power Adapter
- Power Cord
- VGA Cable
- HDMI Cable
- USB Cable (for touch functionality)
- RJ45 Cable (for OSD keypad)
- Mounting Screws
- External OSD Keypad

2.3 Connecting the Monitor

Refer to the image below for available ports and connect the necessary cables:

- **Video Input:** Connect the HDMI, VGA, or DVI cable from your computer to the corresponding port on the monitor.
- **Touch Functionality:** Connect the USB cable from your computer to the USB Touch port on the monitor.
- **Power:** Connect the power adapter to the DC IN port on the monitor, then plug the power cord into a wall outlet.
- **OSD Keypad:** For external control, connect the RJ45 cable to the OSD Connector port and the external OSD keypad.
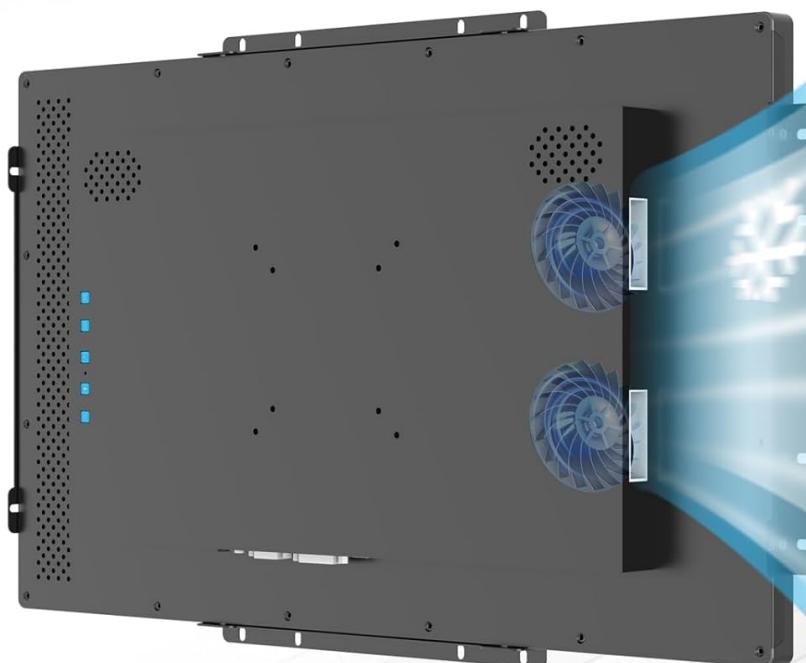
Image 2: Rear view of the monitor showing various input ports including HDMI, VGA, DVI, USB Touch, and OSD Connector.

Your browser does not support the video tag.
Video 2: Demonstration of connecting the monitor, fan heat dissipation testing, and touch functionality.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

After connecting all cables, press the power button (usually located on the side or back of the monitor) to turn the monitor on. To turn it off, press the power button again or use your operating system's shutdown function.

3.2 Touch Functionality

The monitor features a 10-point Projected Capacitive (PCAP) touch screen. Once the USB touch cable is connected to your computer, the touch functionality should be automatically recognized by most operating systems (e.g., Windows). You can use gestures such as tap, drag, pinch-to-zoom, and swipe.

Image 3: Illustration of 10-point capacitive touch technology and various touch gestures.

3.3 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various display settings. Access the OSD menu using the buttons on the monitor or the external OSD keypad. Common settings include:

- **Brightness/Contrast:** Adjust screen luminance and color differentiation.
- **Color Settings:** Modify color temperature, hue, and saturation.
- **Input Source:** Select between HDMI, VGA, or DVI inputs.
- **Aspect Ratio:** Adjust the display's aspect ratio.

- **Audio:** Control volume and other audio settings if applicable.

4. MAINTENANCE

4.1 Cleaning the Monitor

To clean the screen, gently wipe it with a soft, lint-free cloth. For stubborn marks, dampen the cloth with a small amount of water or a mild, non-abrasive screen cleaner. Avoid using harsh chemicals or abrasive materials that could damage the screen surface.

4.2 Heat Dissipation

The monitor is equipped with a built-in fan system to ensure active air circulation and efficient heat dissipation, especially important for high-brightness operation and industrial environments. Ensure that the ventilation openings on the back of the monitor are not obstructed to maintain optimal performance and longevity.

Bright A grade LCD display

The screen brightness is 1000 ints, which can provide better viewing vision under strong ambient light

Image 4: Rear view illustrating the built-in turbo fan for heat dissipation.

4.3 Industrial Protection

This monitor features an IP65 front waterproof and dustproof rating, along with IK08 front explosion-proof

protection, making it suitable for harsh industrial and outdoor conditions. While designed for durability, avoid exposing the monitor to extreme impacts or prolonged submersion in liquids.

Image 5: Display highlighting the IP65 front waterproof and dustproof, and IK08 front explosion-proof ratings.

5. TROUBLESHOOTING

- **No Display:**

  - Ensure the power adapter is securely connected to both the monitor and a working power outlet.
  - Verify that the video cable (HDMI, VGA, or DVI) is properly connected to both the monitor and the computer.
  - Check the input source setting in the OSD menu to ensure it matches the connected cable.

- **No Touch Response:**

  - Confirm the USB touch cable is securely connected to both the monitor and the computer.
  - Restart your computer.
  - Ensure that the necessary touch drivers are installed on your operating system, if required (usually plug-and-play for Windows).

- **Image Quality Issues (Blurry, Distorted):**
  - Check the resolution settings on your computer to ensure they match the monitor's native resolution (1920x1080).
  - Adjust brightness, contrast, and color settings via the OSD menu.
  - Ensure the video cable is not damaged.

6. SPECIFICATIONS

Feature	Specification
Model Number	GT-TM215
Screen Size	21.5 Inches
Resolution	1920 x 1080 Pixels (FHD 1080p)
Aspect Ratio	16:9
Image Brightness	1000 Candela (Nits)
Touch Technology	Projected Capacitive (PCAP), 10-point touch
Inputs	HDMI, VGA, DVI, USB Touch
Voltage	12 Volts (DC)
Product Dimensions	1.87 x 20.95 x 12.57 inches
Item Weight	17.16 pounds
Screen Surface Description	Glossy
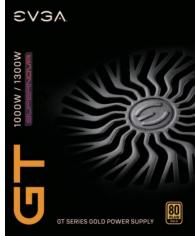
7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official GreenTouch website. Keep your purchase receipt as proof of purchase for warranty claims.

Related Documents - GT-TM215

GreenTouch GT-PM-2383M-CTW-HD-DP Technical Drawing and Specifications
Technical drawing and dimensional specifications for the GreenTouch GT-PM-2383M-CTW-HD-DP monitor, detailing its physical layout, dimensions, and connection ports.

	[Keyence GT Series Digital Contact Sensors: Features and Specifications](#) Explore the Keyence GT Series of general-purpose digital contact sensors, highlighting their ease of use, durability, error-free operation, and cost reduction benefits. This document details sensor head and amplifier unit specifications, applications, and optional accessories.
	[EVGA SuperNOVA GT Series 1000W/1300W Power Supply User Manual](#) User manual for the EVGA SuperNOVA GT Series 1000W and 1300W power supplies, detailing features, installation, specifications, and troubleshooting.
	[HDMI Wireless Extender User Manual - GT-HDWL50](#) Comprehensive user manual for the GT-HDWL50 HDMI Wireless Extender by Zhuhai Bigway Electronic Co.,Ltd. Includes setup, features, specifications, pairing, and troubleshooting.
	[Huanyang GT Series Inverter Manual - Installation, Operation, and Maintenance Guide](#) Comprehensive manual for the Huanyang GT Series Inverter, covering technical features, installation, wiring, operation, troubleshooting, and maintenance. Essential guide for users of Huanyang VFDs.
	[HP CC180/CC180W Projector Quick Start Guide](#) Get started quickly with the HP CC180/CC180W projector. This guide covers setup, specifications, remote control usage, and connectivity options for your HP projector.