

Real HD LED-24A

Real HD 22 Inch 1080P LED Monitor Instruction Manual

Model: LED-24A

INTRODUCTION

Thank you for choosing the Real HD 22 Inch 1080P LED Monitor. This manual provides essential information for the proper setup, operation, and maintenance of your new monitor. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

PRODUCT FEATURES

- **24/7 Surveillance Ready:** Engineered for continuous operation with enhanced W-LED technology, 3000:1 contrast ratio, and 16.7M display colors for exceptional image quality. Full HD 1920x1080 resolution ensures sharp clarity.
- **Smooth Visuals:** Features a 75Hz refresh rate and a fast 4ms response time for seamless picture display. A wide 178°/178° viewing angle provides clear details from various perspectives. Compatible with most DVR/NVR brands for CCTV monitoring.
- **Sleek Design:** Ultra-slim, edgeless 22-inch design ideal for multi-monitor setups, enhancing visual continuity. Suitable for business desktops or home laptops.
- **Easy Connectivity:** Equipped with 1 x HDMI, 1 x VGA, and 1 x headphone jack (audio in) for straightforward connection.
- **Dedicated Security Monitor:** Designed specifically for professional security monitoring. Does not include Bluetooth or WiFi functionality and is not compatible with WiFi security cameras or other wireless devices.

PACKAGE CONTENTS

Please check the box for the following items:

- Real HD 22 Inch 1080P LED Monitor
- Power Adapter
- HDMI Cable

- VGA Cable
- User Manual

PRODUCT OVERVIEW

Product size



Figure 1: Monitor Dimensions. The monitor measures approximately 21.5 inches in width, 12.6 inches in height, and has a slim profile of 0.31 inches.

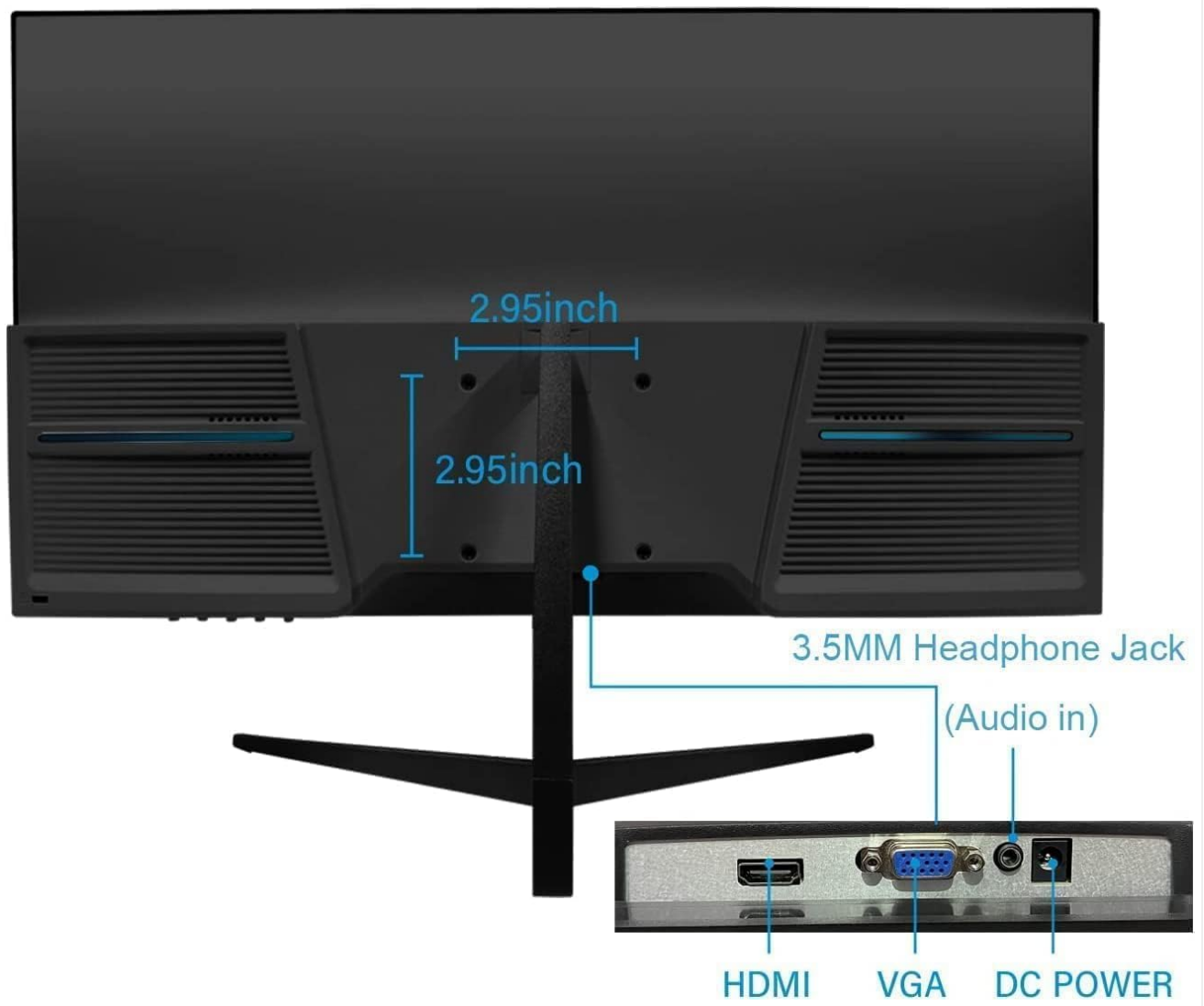


Figure 2: Rear Panel Connectivity. This image displays the available ports on the back of the monitor, including HDMI, VGA, a 3.5mm headphone jack for audio input, and the DC power input.

Low Blue Light Anti-Flicker takes care of your eyes



Figure 3: Low Blue Light and Anti-Flicker Feature. This illustration highlights the monitor's technology designed to reduce blue light emissions and eliminate screen flicker, promoting eye comfort during extended use.

DIVERSE CONNECTORS



PC



TV BOX



NOTEBOOK



SWITCH



Figure 4: Diverse Connectivity. The monitor can connect to various devices such as PCs, TV boxes, notebooks, and gaming consoles like the Nintendo Switch, utilizing its HDMI and VGA inputs.

SETUP INSTRUCTIONS

1. **Assemble the Stand:** Carefully attach the monitor stand to the back of the monitor. Ensure it is securely fastened according to the diagrams provided in the quick start guide.
2. **Connect Video Cable:** Connect one end of the HDMI or VGA cable to the corresponding port on your computer, DVR, or NVR. Connect the other end to the HDMI or VGA input port on the back of the monitor (refer to Figure 2).
3. **Connect Audio (Optional):** If your source device outputs audio separately and you wish to use the monitor's built-in speakers, connect an audio cable from your source device's audio output to the 3.5mm Headphone Jack (Audio in) on the monitor (refer to Figure 2).
4. **Connect Power:** Plug the power adapter into the DC Power input on the monitor (refer to Figure 2). Then, plug the power adapter into a wall outlet.
5. **Power On:** Press the power button on the monitor. The power indicator light should illuminate, and the screen will display the input source.

OPERATING INSTRUCTIONS

Power On/Off

- To turn on the monitor, press the power button located on the bottom right side of the monitor.
- To turn off the monitor, press the power button again.

Input Source Selection

The monitor automatically detects the active input source. If multiple sources are connected, you may need to manually select the input:

- Press the 'M' button (Menu) to access the On-Screen Display (OSD) menu.
- Navigate using the arrow buttons to 'Input Source' or 'Source'.
- Select 'HDMI' or 'VGA' as required.

OSD Menu Navigation

The OSD menu allows you to adjust various display settings:

- Press the 'M' button to open the OSD menu.
- Use the arrow buttons (usually '<' and '>') to navigate through menu options.
- Press the 'E' button (Enter) to select an option or confirm a setting.
- Press the 'X' button (Exit) to close the OSD menu or go back to the previous level.
- Common settings include Brightness, Contrast, Color Temperature, Aspect Ratio, and OSD Language (English is supported).

MAINTENANCE

Cleaning the Monitor

- Always unplug the monitor from the power outlet before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive screen cleaner.
- Do not spray cleaner directly onto the screen. Apply it to the cloth first.
- Avoid using benzene, thinner, ammonia-based cleaners, or abrasive materials, as these can damage the screen or casing.

Storage

- When not in use for an extended period, store the monitor in a cool, dry place.
- Protect the monitor from extreme temperatures and humidity.
- If possible, use the original packaging for storage to prevent dust and physical damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power	Power cable not connected; Power outlet faulty; Monitor power button off.	Ensure power cable is securely connected to monitor and outlet. Test outlet with another device. Press monitor power button.

Problem	Possible Cause	Solution
No Signal	Video cable not connected; Incorrect input source selected; Source device not powered on or outputting signal.	Check video cable connections (HDMI/VGA). Select correct input source via OSD menu. Ensure source device is on and configured to output video.
Image is blurry or distorted	Incorrect resolution; Loose video cable; Monitor settings.	Set source device to 1920x1080 resolution. Ensure video cable is securely connected. Adjust 'Phase' or 'Clock' settings in the OSD menu (VGA connection).
No Audio	Audio cable not connected; Monitor volume too low; Source device audio settings.	Ensure 3.5mm audio cable is connected (if using). Increase monitor volume via OSD. Check audio output settings on your source device.

SPECIFICATIONS

Specifications

LED-22P

Display

Monitor Inch	22"
O/C	TFT-LCD
The Light Source	LED backlight
Resolution Ratio	1920×1080
Screen Ratio	16:9
Brightness	200cd/m2
Contrast Ratio	3000 : 1
Refresh Rate	75 Hz
Response Time	4ms
Display Color	16.7M
MTBF	60,000 H(typ)
Viewing Angle	H 178°/V 178°

Power Adapter

Voltage	12V 4Amp
Power	20W

Functional Properties

Operating Mode	Panel
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Working/Storage Environment

Operating Temperature/Humidity	0~122°F/20%~80% (No condensation)
Storage Temperature/Humidity	-14°F~76°F/5%~95% (No condensation)

Interface

Input Interface	HDMI、VGA、Audio
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Language

OSD	Chinese、English etc.
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Figure 5: Detailed Product Specifications. This image provides a comprehensive list of technical specifications for the monitor, including display characteristics, power requirements, and environmental conditions.

Feature	Detail
Brand	Real HD
Model Number	LED-24A

Feature	Detail
Screen Size	22 Inches
Display Type	TFT-LCD (LED Backlight)
Native Resolution	1920 x 1080 (Full HD)
Aspect Ratio	16:9
Refresh Rate	75 Hz
Response Time	4 Milliseconds
Contrast Ratio	3000:1
Brightness	250 Candela (200cd/m2 as per image)
Viewing Angle	178°/178°
Display Colors	16.7 Million
Connectivity	1 x HDMI, 1 x VGA, 1 x 3.5mm Audio In
Power Input	12V 4A (20W)
Operating Temperature	0-122°F (20%-80% Humidity, non-condensing)
Storage Temperature	-14°F-76°F (5%-95% Humidity, non-condensing)
Item Dimensions (D x W x H)	0.31"D x 21.5"W x 12.6"H
Item Weight	3.27 Kilograms

WARRANTY INFORMATION

This product comes with a 1-year limited warranty. For specific terms and conditions, please refer to the warranty card included in your package or contact customer support.

SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Real HD customer support. Contact information can typically be found on the manufacturer's website or on the product packaging.

Please have your model number (LED-24A) and purchase information ready when contacting support.