

## Z-EDGE U28I4K

# Z-EDGE U28I4K 4K Monitor User Manual

28-inch IPS, 144Hz Refresh Rate, Ultra HD 3840x2160 Gaming Monitor

## 1. INTRODUCTION

This user manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Z-EDGE U28I4K 4K Monitor. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

### Product Features:

- **4K UHD Resolution (3840x2160):** Delivers stunningly clear and lifelike images with exceptional detail.
- **144Hz Refresh Rate & 1ms Response Time:** Ensures smooth, crisp visuals and reduces motion blur, ideal for gaming.
- **IPS Panel:** Provides wide 178° viewing angles and consistent, accurate color reproduction.
- **HDR10 Technology:** Enhances picture quality with deeper blacks and brighter whites.
- **Multiple Connectivity Options:** Two HDMI inputs and two DisplayPort inputs for versatile device connection.
- **Eye Care Technology:** Features low blue light and flicker-free technology to reduce eye strain.
- **VESA Mount Compatible:** Supports 100x100mm VESA mounting for flexible installation.

## 2. PACKAGE CONTENTS

Please check the package contents upon unboxing. If any items are missing or damaged, contact Z-EDGE customer support.

- Z-EDGE U28I4K 4K Monitor
- Monitor Stand (Base and Neck)
- Power Adapter and Power Cable
- HDMI Cable
- DisplayPort Cable

- User Manual
- Screws and Screwdriver for stand assembly

### 3. SETUP

#### 3.1 Assembling the Stand

1. Carefully remove the monitor from its packaging, keeping it protected on a soft, flat surface.
2. Attach the stand neck to the monitor's rear panel using the provided screws. Ensure it is securely fastened.
3. Connect the stand base to the stand neck and tighten the thumb screw or use the provided screwdriver to secure it.
4. Gently place the assembled monitor on a stable, flat desk.



Figure 3.1: Monitor stand assembly. The image displays the monitor being attached to its base and stand.

## 3.2 Connecting to a Device

The Z-EDGE U28I4K monitor supports multiple input types. Choose the appropriate cable for your device.

- **HDMI Connection:** Connect one end of the HDMI cable to the HDMI port on your computer/device and the other end to an HDMI input port (HDMI 1 or HDMI 2) on the monitor.
- **DisplayPort Connection:** Connect one end of the DisplayPort cable to the DisplayPort on your computer/device and the other end to a DisplayPort input port (DP 1 or DP 2) on the monitor.
- **Audio Output:** Connect external speakers or headphones to the 3.5mm audio output jack on the monitor if desired.

## Enhanced Eye Fatigue Relief

Delivers luxury eye health through cutting-edge filtration, ensuring crisp visuals without eye strain



**Anti-blue light**



**Flicker-free**



**Anti-glare**



Figure 3.2: Rear view of the monitor showing DC 12V power input, two HDMI 2.1 ports, two DisplayPort 1.4 ports, and an audio output jack.

## 3.3 Power Connection

Connect the power adapter to the DC 12V input on the monitor, then plug the power cable into a wall outlet.

**Important: Use only the power adapter provided with your monitor.**

## 4. OPERATING THE MONITOR

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### 4.1 Power On/Off

Press the power button located on the back or bottom of the monitor to turn it on or off. The power indicator light will illuminate when the monitor is on.

### 4.2 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Navigate the menu using the buttons typically found on the back or bottom right of the monitor.

#### Common OSD Settings:

- **Brightness/Contrast:** Adjust the overall luminance and contrast ratio.
- **Color Settings:** Modify color temperature, gamma, and individual RGB levels.
- **Input Source:** Manually select between HDMI 1, HDMI 2, DP 1, or DP 2.
- **Picture Mode:** Select preset display modes (e.g., Standard, Game, Movie, Text).
- **Response Time/Overdrive:** Adjust the pixel response time for faster transitions.
- **FreeSync/Adaptive Sync:** Enable or disable adaptive synchronization technology.
- **Low Blue Light:** Reduce blue light emission to minimize eye strain.
- **Flicker-Free:** Ensure the display is free from visible flickering.

# 144Hz Refresh Rate

With up to 144Hz refresh rate and 1ms response, the monitor lowers input lag, providing smooth gaming experience for gamers.



**144Hz 1ms**

**75Hz 4ms**

Figure 4.1: The IPS panel provides saturated colors for vivid images, with specifications like 1000:1 contrast ratio, 16.7 million colors, and 300 cd/m<sup>2</sup> brightness.

# Ultra-Slim Bezel Design

Ultra-Slim bezel design makes multi-monitor setups seamless.



Figure 4.2: Enhanced eye fatigue relief features including anti-blue light, flicker-free, and anti-glare technologies for comfortable viewing.

## 4.3 Refresh Rate and Response Time

The monitor supports up to a 144Hz refresh rate and 1ms response time for optimal performance in fast-paced applications and gaming.





Figure 4.3: Visual representation of 144Hz refresh rate providing smooth motion compared to lower refresh rates.


# IPS Panel


Saturated Colors for Vivid Images

## Z-EDGE



 **1000:1**  
Contrast ratio

 **16.7**  
Million Colors

 **300 cd/m<sup>2</sup>**  
Brightness


 **8Bit**  
8Bit

Figure 4.4: Comparison of 144Hz 1ms response time versus 75Hz 4ms, highlighting the reduced motion blur and improved clarity with faster response times.

## 5. MAINTENANCE

### 5.1 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 non-abrasive screen cleaner.
- Do not spray cleaner directly onto the screen.
- Avoid using benzene, thinner, ammonia, or abrasive cleaners, as these can damage the monitor's surface.

### 5.2 Storage

When storing the monitor for an extended period, ensure it is powered off and disconnected from all cables.

Store it in a cool, dry place, preferably in its original packaging to protect it from dust and physical damage.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power	Power cable not connected; Power outlet faulty; Power adapter faulty.	Ensure power cable is securely connected to monitor and outlet. Test outlet with another device. Contact support if adapter is suspected faulty.
No Signal	Input cable not connected; Incorrect input source selected; Computer/device not outputting signal.	Check HDMI/DisplayPort cable connections. Select correct input source via OSD menu. Restart computer/device.
Flickering Screen	Loose cable connection; Refresh rate mismatch; DCR (Dynamic Contrast Ratio) enabled.	Ensure cables are firmly connected. Adjust refresh rate in display settings. Disable DCR in OSD menu.
Poor Image Quality (Blurry/Distorted)	Incorrect resolution; Cable quality; Graphics driver issues.	Set display resolution to 3840x2160. Try a different high-quality cable. Update graphics drivers.
No Audio from Monitor	Volume too low; Incorrect audio output selected on computer; External speakers not connected/powered.	Increase monitor volume via OSD. Select monitor as audio output device in OS settings. Ensure external speakers are connected and powered.

If the problem persists after trying these solutions, please contact Z-EDGE customer support.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	U28I4K
Screen Size	28 Inches
Panel Type	IPS
Resolution	3840x2160 (4K UHD)
Refresh Rate	144Hz

Feature	Detail
Response Time	1ms (MPRT)
Brightness	300 cd/m²
Contrast Ratio	1000:1
Color Support	16.7 Million Colors (8-bit)
Viewing Angle	178° (H/V)
HDR Support	HDR10
Connectivity	2x HDMI 2.1, 2x DisplayPort 1.4, 1x Audio Out (3.5mm)
VESA Mount	100x100mm
Dimensions (with stand)	19 x 64 x 46 cm
Weight (with stand)	5.96 kg
Power Input	DC 12V

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

Z-EDGE products typically come with a limited manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official Z-EDGE website for detailed warranty terms and conditions. Keep your purchase receipt as proof of purchase for warranty claims.

### 8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Z-EDGE customer support:

- **Website:** [www.z-edge.com](http://www.z-edge.com) (Check for support contact details, FAQs, and driver downloads)
- **Email:** Refer to the official website for the most current support email address.
- **Phone:** Refer to the official website for the most current support phone number.

When contacting support, please have your monitor's model number (U28I4K) and serial number ready.