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## BenQ RD280U

# BenQ RD280U Programming Monitor User Manual

**MODEL: RD280U**

**Brand: BenQ**

Your guide to setting up, operating, and maintaining your BenQ RD280U 28.2-inch 4K 3:2 Programming Monitor.

## 1. PRODUCT OVERVIEW

The BenQ RD280U is a 28.2-inch 4K (3840x2560) monitor designed specifically for programmers, featuring a unique 3:2 aspect ratio, Nano Matte Panel, and advanced eye-care technologies. It offers a superior visual experience for coding and productivity tasks.

# BenQ

```
13     var mytag = mytag || {};  
14     mytag.cmd = mytag.cmd || [];  
15     (function() {  
16         var gads = document.createElement('script');  
17         gads.async = true;  
18         gads.type = 'text/script';  
19         var useSSL = 'https:' == document.location.protocol;  
20         gads.src = (useSSL ? 'https:' : 'http:') + '//www.mytagservices.com/tag/js/gpt.js';  
21         var node = document.getElementsByTagName('script')[0];  
22         node.parentNode.insertBefore(gads, node);  
23     })();  
24     mytag.cmd.push(function() {
```



Figure 1.1: Front view of the BenQ RD280U Programming Monitor, showcasing its sleek design and display.

## 2. SETUP AND ASSEMBLY

### 2.1 Unpacking the Monitor

Carefully remove all components from the packaging. Ensure all items listed in the packing list are present and undamaged before proceeding with assembly.

### 2.2 Attaching the Stand

1. Place the monitor face down on a soft, clean surface to prevent scratches.
2. Align the stand neck with the mounting slot on the back of the monitor.
3. Gently push until it clicks into place.
4. Attach the base to the stand neck and secure it with the provided screw.

Alternatively, the monitor supports VESA mount (100x100 mm) for wall or arm mounting.

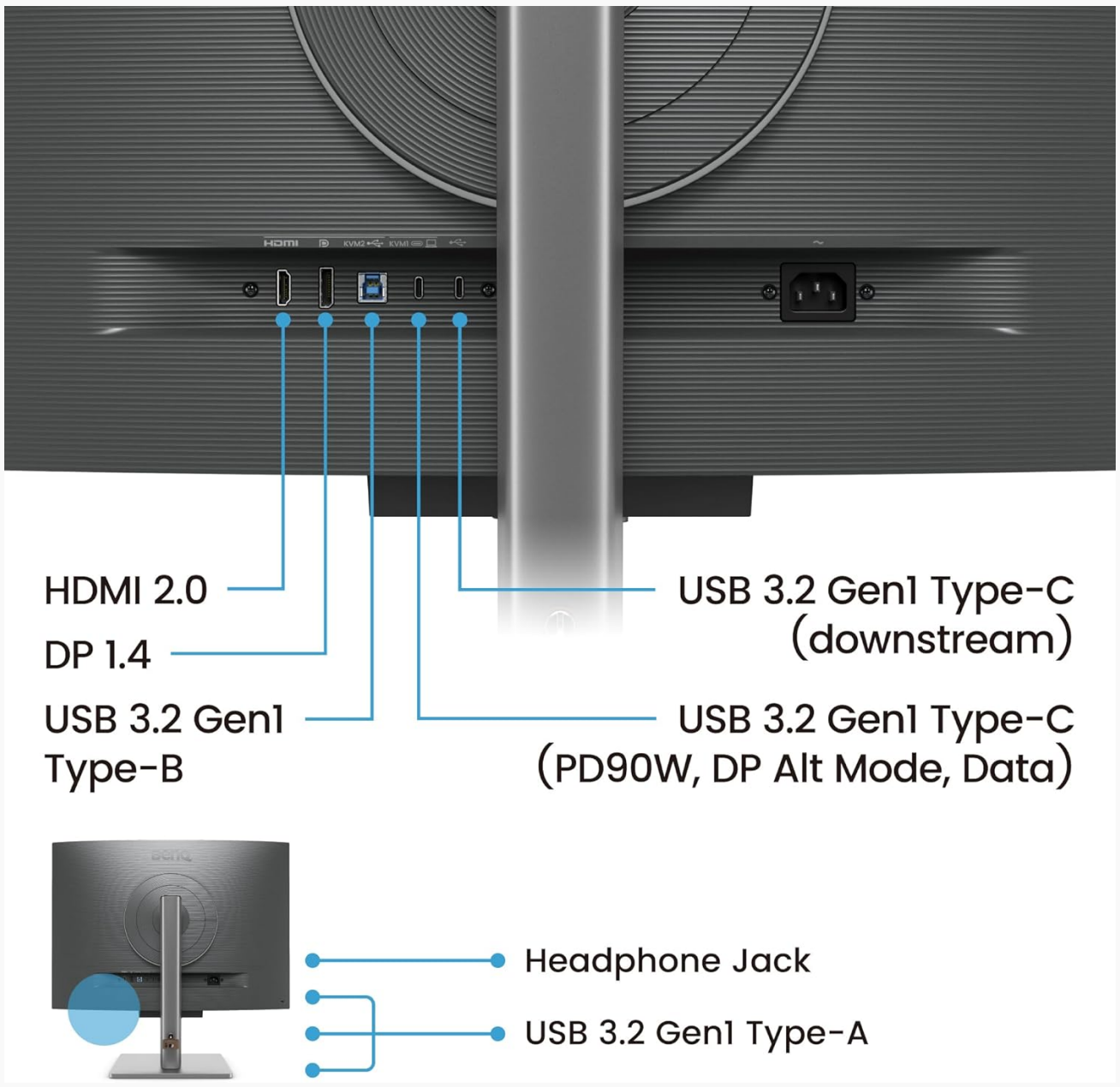


Figure 2.1: Rear view of the BenQ RD280U, showing the stand attachment point and VESA mounting holes.



Figure 2.2: Side view of the BenQ RD280U, illustrating its slim profile.

## 2.3 Connecting to Your Device

The BenQ RD280U offers multiple connectivity options:

- **USB-C (90W Power Delivery, DP Alt Mode, Data):** Connect a single USB-C cable for video, data, and power delivery to your laptop.
- **HDMI 2.0:** For standard video input.
- **DisplayPort 1.4:** For high-resolution video input.
- **USB 3.2 Gen1 Type-B (Upstream):** Connect to your computer to enable the monitor's USB-A ports.

- **USB 3.2 Gen1 Type-A (Downstream):** For connecting peripherals.
- **Headphone Jack:** For audio output.

# Optimal Posture Superior Output



Figure 2.3: Detailed diagram of the BenQ RD280U's input and output ports.

## 3. OPERATING THE MONITOR

### 3.1 Power On/Off

Press the Power key located on the function bar beneath the screen to turn the monitor on or off.

### 3.2 On-Screen Display (OSD) Navigation

The monitor features a 5-way controller and a function key for navigating the OSD menu. Use the 5-way controller to move through options and confirm selections. The function key provides quick access to frequently used settings.

### 3.3 Advanced Coding Modes

The RD280U offers specialized coding modes to enhance code differentiation and readability. You can select between Dark Theme and Light Theme modes to match your Integrated Development Environment (IDE) settings.

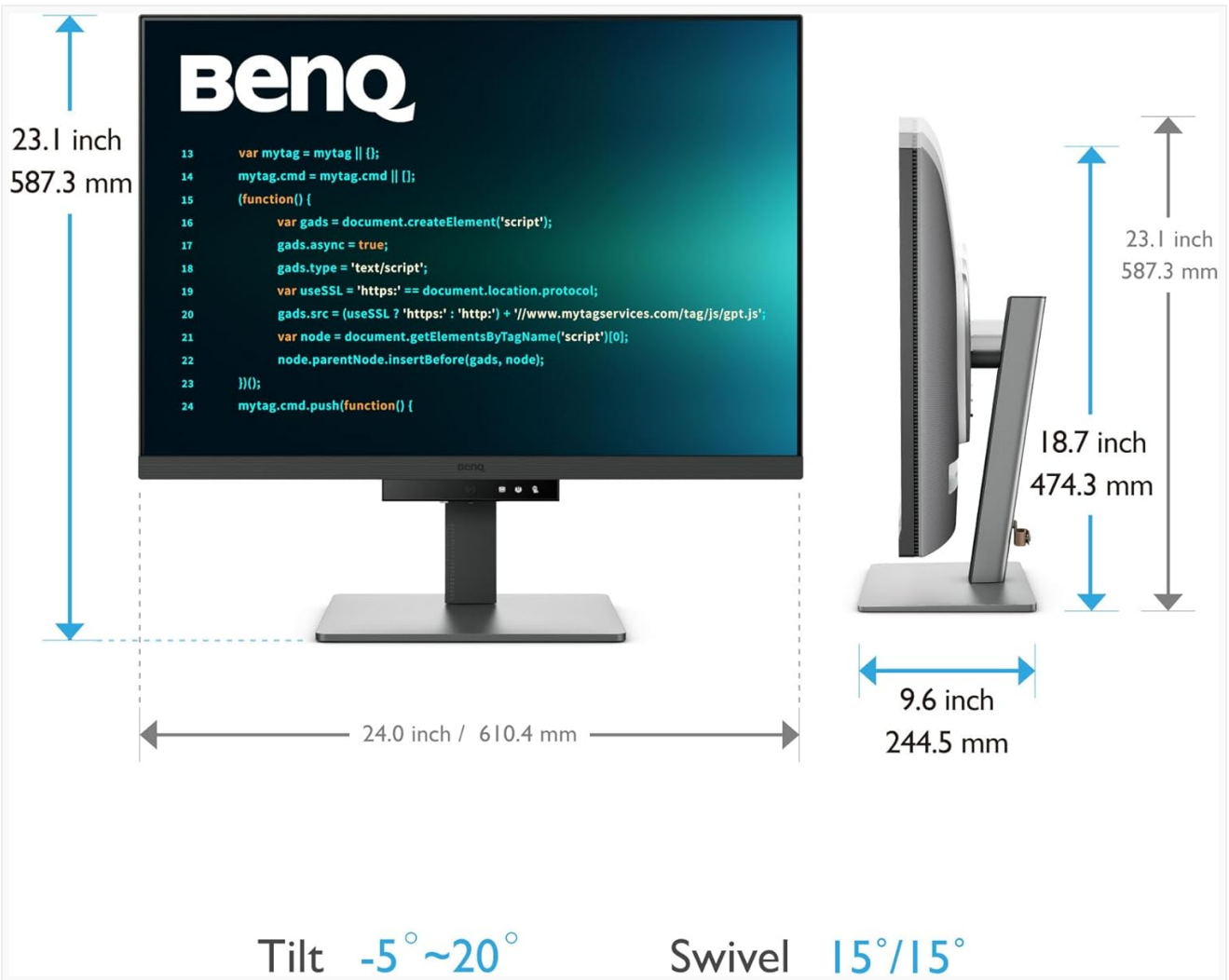


Figure 3.1: Illustration of the Advanced Coding Modes, showing Dark Theme and Light Theme options.

### 3.4 MoonHalo Backlight

The MoonHalo backlight provides immersive and comforting illumination behind the monitor, reducing eye strain in low-light environments. It can be adjusted for brightness and color temperature, and features an auto-dimming function based on ambient light.

# Advanced Coding Modes

Dark Theme

Light Theme

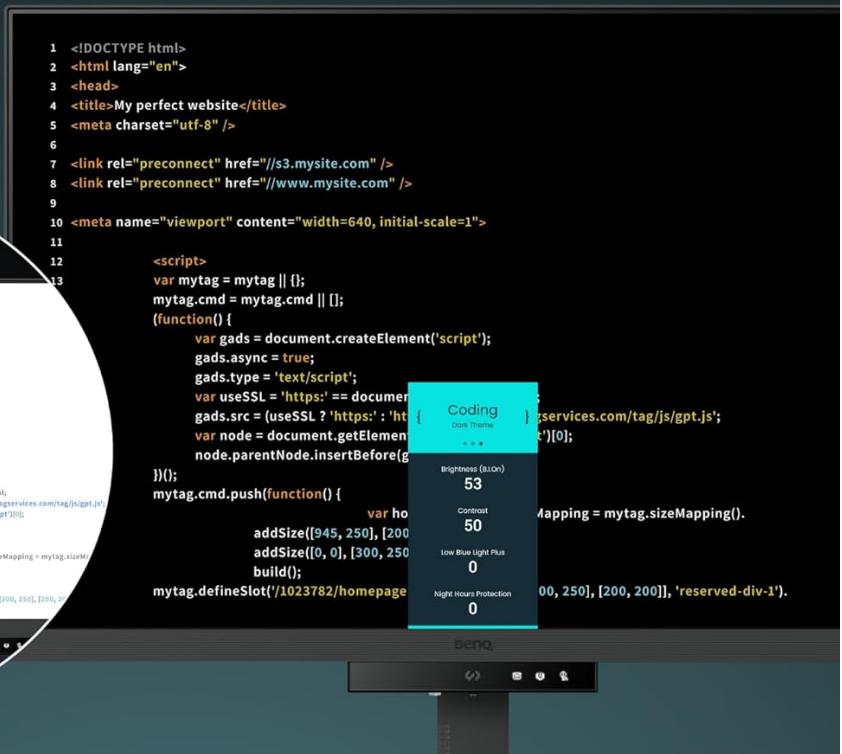
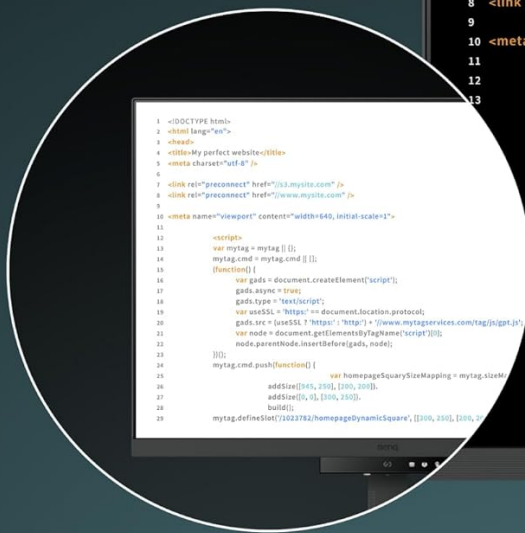


Figure 3.2: The BenQ RD280U with its MoonHalo backlight active, illuminating the wall behind the monitor.

## 3.5 Eye-Care Features

- **Brightness Intelligence Gen2 (B.I. Gen2):** This feature automatically adjusts screen brightness based on ambient light conditions, ensuring optimal viewing comfort throughout the day.
- **Low Blue Light Plus:** Reduces harmful blue light emissions without compromising color accuracy, protecting your eyes during extended use.
- **Night Hours Protection:** When the environment becomes darker, the monitor can automatically activate Night Hours Protection, further reducing screen brightness to prevent eye strain.

## 3.6 KVM Switch Functionality

The integrated KVM (Keyboard, Video, Mouse) switch allows you to control two different computer systems using a single set of keyboard and mouse connected to the monitor. This is particularly useful for developers working with multiple machines.

## 3.7 Nano Matte Panel

The exclusive Nano Matte Panel minimizes glare and reflections, providing a clear and comfortable viewing

experience even in brightly lit environments. This anti-glare, anti-reflective surface is designed to reduce distractions and improve focus.



Figure 3.3: Diagram explaining the layers of the Nano Matte Panel and its anti-glare properties.

### 3.8 Ergonomic Adjustments

The monitor stand allows for various ergonomic adjustments to ensure optimal posture and comfort during long working sessions. These include tilt, swivel, and height adjustment.

## VESA Wall Mount 100x100 mm

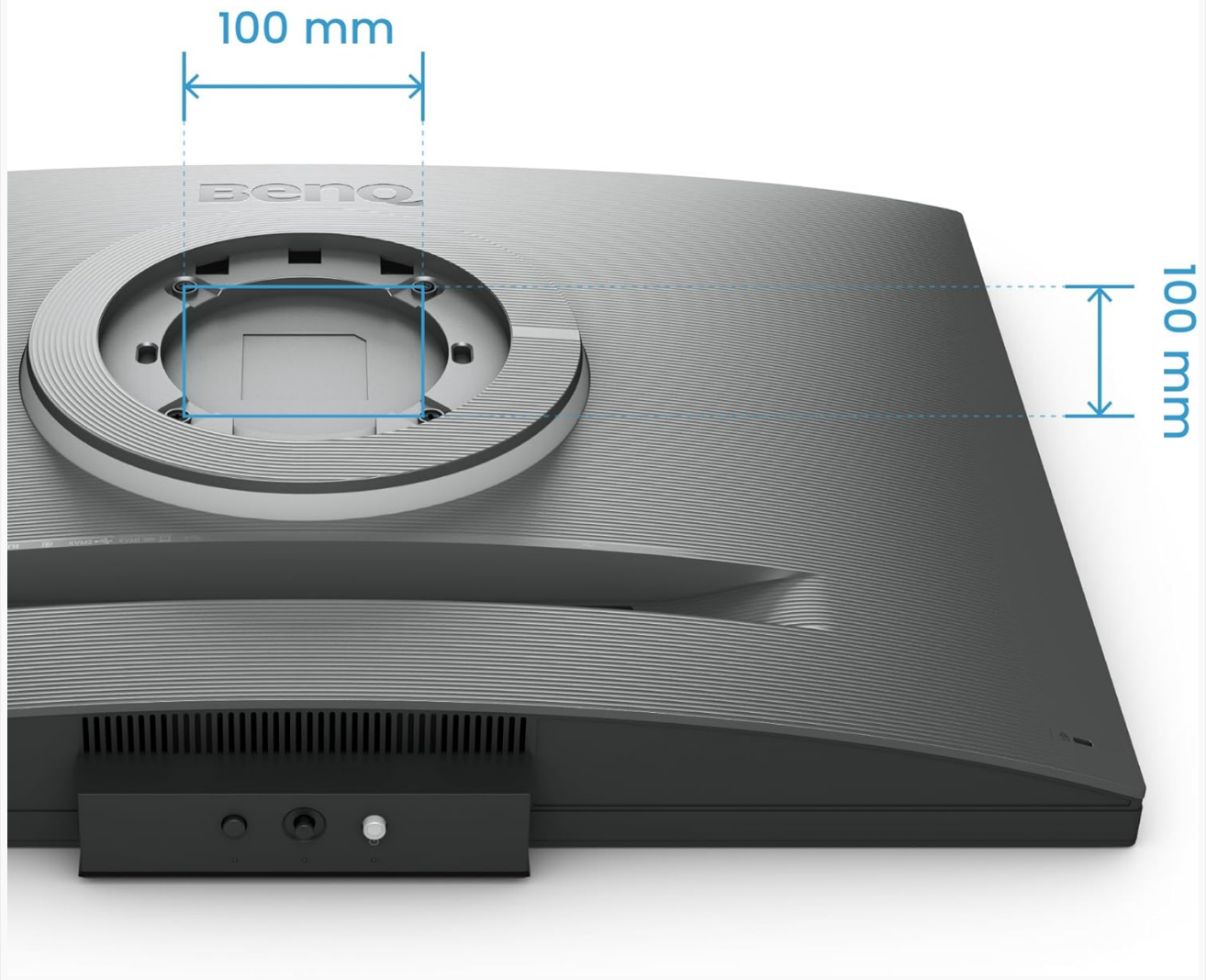


Figure 3.4: Illustration demonstrating the ergonomic adjustments for optimal posture with the BenQ RD280U.

### 3.9 Official Product Video: RD Series How-To Guide

Your browser does not support the video tag.

Video 3.1: A comprehensive guide from BenQ INFTY Lab demonstrating the use of the function bar, coding hotkeys, coding modes, Brightness Intelligence Gen2, Night Hours Protection, and MoonHalo features on the RD series monitors.

## 4. MAINTENANCE

### 4.1 Cleaning the Monitor

- Always unplug the monitor before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a non-ammonia, non-alcohol based screen cleaner.
- Wipe the screen gently. Avoid applying excessive pressure.
- For the monitor casing, use a soft, dry cloth.
- Do not spray cleaners directly onto the screen or into any openings.

### 4.2 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, ideally in its original packaging to protect it from dust and physical damage.

## 5. TROUBLESHOOTING

If you encounter issues with your BenQ RD280U monitor, please refer to the following common troubleshooting steps:

- **No Power:** Ensure the power cable is securely connected to both the monitor and a working power outlet. Check if the power indicator light is on.
- **No Signal:** Verify that the video cable (USB-C, HDMI, or DisplayPort) is correctly connected to both the monitor and your computer. Ensure the correct input source is selected on the monitor via the OSD menu.
- **Flickering or Distorted Image:** Check the video cable for damage or loose connections. Try a different video cable or port. Ensure your graphics card drivers are up to date.
- **Display Issues (e.g., incorrect colors, brightness):** Reset the monitor to factory default settings via the OSD menu. Adjust brightness, contrast, and color temperature settings.
- **USB Ports Not Working:** Ensure the USB 3.2 Gen1 Type-B upstream cable is connected from the monitor to your computer.

If the problem persists after trying these steps, please contact BenQ customer support.

## 6. SPECIFICATIONS

Feature	Specification
Brand	BenQ
Model Number	RD280U
Screen Size	28.2 Inches
Screen Resolution	3840x2560 Pixels (4K)
Aspect Ratio	3:2
Panel Type	IPS
Screen Surface	Nano Matte
USB-C Power Delivery	90W
USB Ports	1x USB 3.0 (Upstream), Multiple USB 3.2 Gen1 Type-A (Downstream)
Video Inputs	HDMI 2.0, DisplayPort 1.4, USB-C
KVM Switch	Yes
VESA Mount Compatible	100x100 mm
Item Weight	16.8 pounds
Product Dimensions	9.6 x 24 x 18.7 inches

## 7. WARRANTY AND SUPPORT

BenQ provides comprehensive warranty coverage for its products. For detailed warranty information, please refer to the warranty card included with your product or visit the official BenQ website.

For technical assistance, troubleshooting, or service inquiries, please contact BenQ Customer Support:

- **BenQ Support Website:** [www.benq.com/en-us/support.html](http://www.benq.com/en-us/support.html)
- Refer to your product packaging for regional contact information.