

BenQ PD3205U

BenQ PD3205U 32-inch 4K UHD Monitor Instruction Manual

Model: PD3205U

1. INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your BenQ PD3205U 32-inch 4K UHD Monitor. Please read this manual thoroughly before using the product to ensure proper functionality and safety.



Figure 1.1: Front view of the BenQ PD3205U Monitor.

2. SAFETY INSTRUCTIONS

- Ensure the monitor is placed on a stable, level surface to prevent accidental falls.
- Do not block ventilation openings. Proper airflow is essential to prevent overheating.
- Use only the power cord and adapters supplied with the monitor.
- Avoid exposing the monitor to moisture, extreme temperatures, or direct sunlight.
- Disconnect the power cable from the outlet before cleaning the monitor.

3. WHAT'S IN THE BOX

Verify that all components are present before proceeding with setup:

- BenQ PD3205U Monitor
- Monitor Stand (Base and Arm)
- Power Cable
- HDMI Cable
- DisplayPort (DP 1.4) Cable
- USB-C Cable (90W Power Delivery)
- USB-B Cable (for KVM functionality)
- Hotkey Puck G2
- Quick Start Guide
- Safety Instructions
- Factory Calibration Report

4. SETUP

4.1 Physical Assembly

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the monitor arm to the base plate. The base plate is designed for tool-free installation.
3. Secure the assembled stand to the back of the monitor. The monitor supports VESA mounting if you prefer an alternative mounting solution.

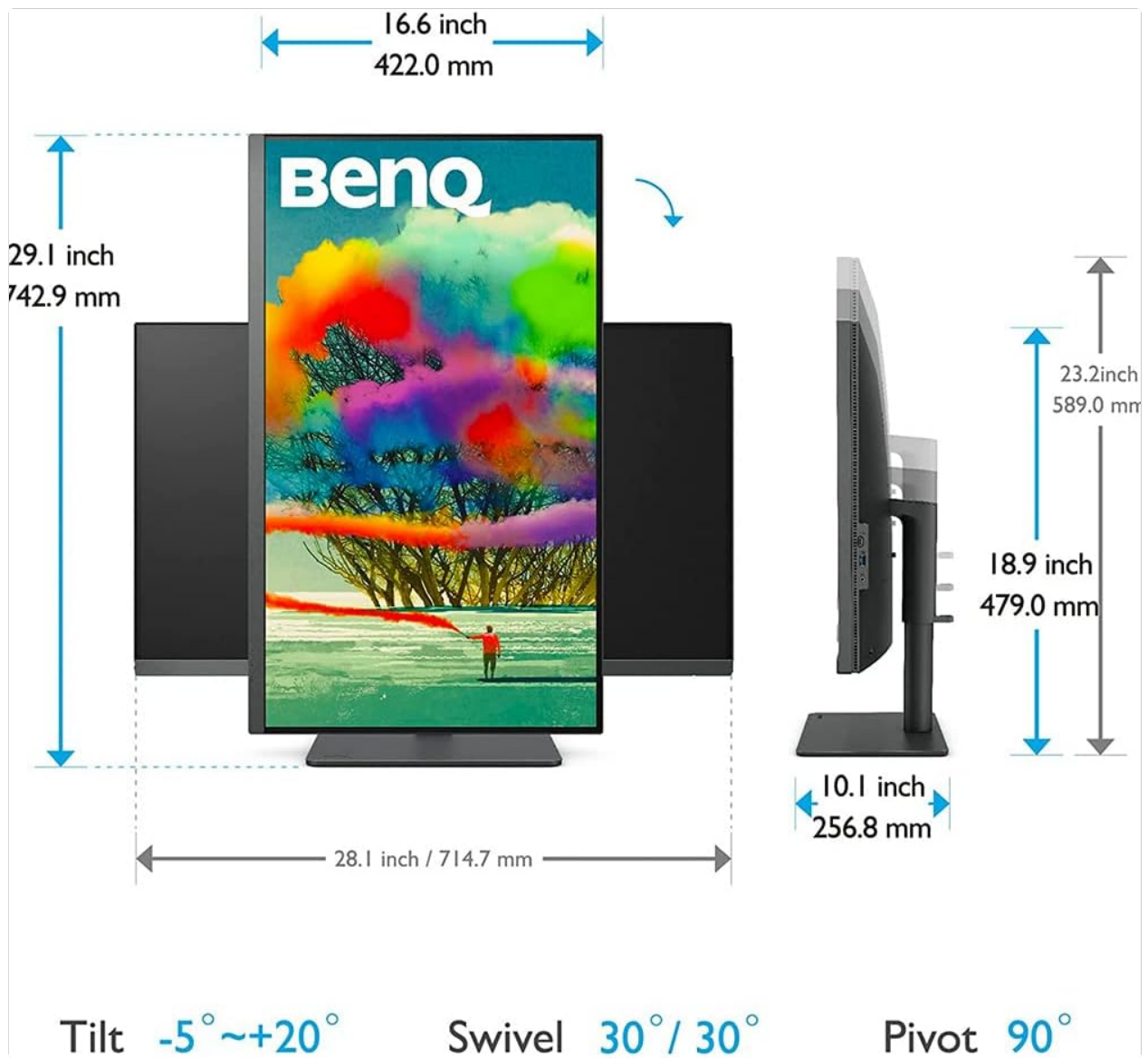


Figure 4.1: Monitor dimensions and ergonomic adjustment ranges.

4.2 Connectivity

The BenQ PD3205U offers versatile connectivity options:

- **USB-C (90W Power Delivery):** Connect your laptop or Mac for video, data transfer, and power delivery through a single cable.
- **HDMI 2.0:** Connect to various devices such as gaming consoles or media players.
- **DisplayPort 1.4:** For high-resolution video input.
- **USB Hub (USB 3.1, USB-B):** Connect peripherals like keyboards, mice, and external drives. The USB-B cable is required for KVM functionality.
- **Headphone Jack:** For audio output.

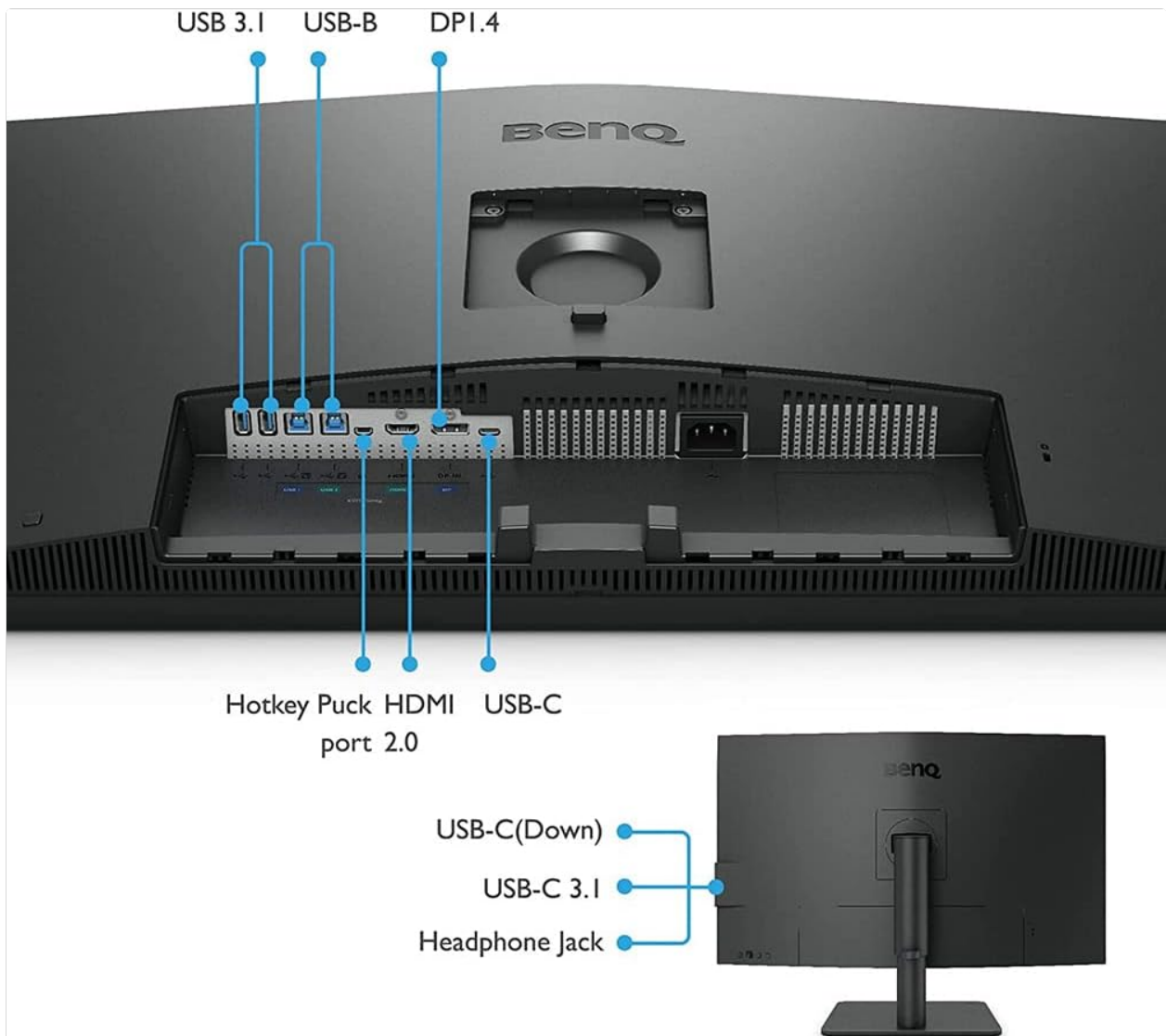


Figure 4.2: Rear view of the monitor with labeled input/output ports.

4.3 Hotkey Puck G2

The included Hotkey Puck G2 provides quick access to monitor settings and KVM switching. Connect it to the dedicated port on the monitor.



5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the power button located on the back of the monitor to turn it on or off.

5.2 Ergonomic Adjustments

Adjust the monitor for optimal viewing comfort:

- **Height Adjustment:** Raise or lower the monitor to eye level.
- **Tilt:** Adjust the screen's vertical angle (-5° to $+20^{\circ}$).
- **Swivel:** Rotate the screen horizontally (30° left/right).
- **Pivot:** Rotate the screen 90° for portrait mode viewing.

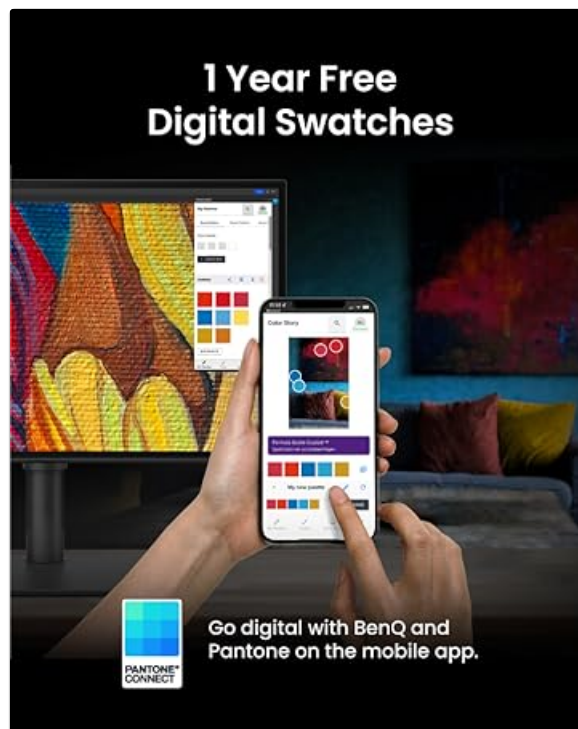


Figure 5.1: Demonstrating the monitor's ergonomic flexibility.

5.3 Color Modes and Accuracy (AQCOLOR Technology)

The BenQ PD3205U features AQCOLOR Technology for precise color reproduction. It is factory calibrated and comes with a report ensuring 99% sRGB and Rec.709 color gamut coverage with an average Delta E ≤ 3 .



Figure 5.2: Calman Verified and Pantone Validated for color accuracy.

Access various color modes via the On-Screen Display (OSD) menu or Hotkey Puck G2:

- **sRGB Mode:** Standard color space for general use and web content.
- **Rec.709 Mode:** Standard for HDTV and video production.
- **M-Book Mode:** Simulates Mac colors for consistent workflow.
- **Darkroom Mode:** Adjusts image brightness and contrast for work in dark environments.
- **CAD/CAM Mode:** Enhances contrast for lines and shapes in technical drawings.
- **Animation Mode:** Brightens dark areas without overexposing bright regions.

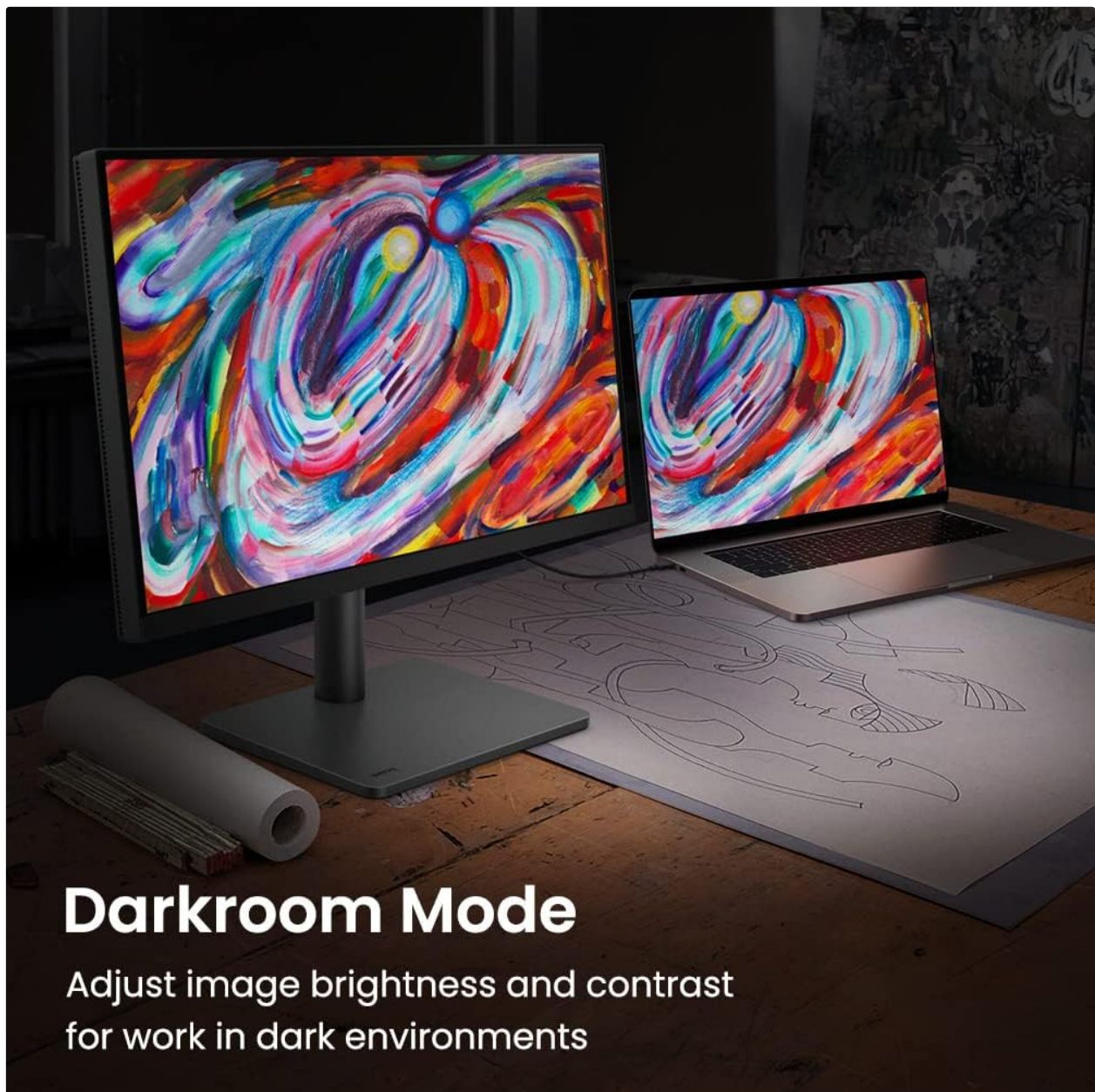
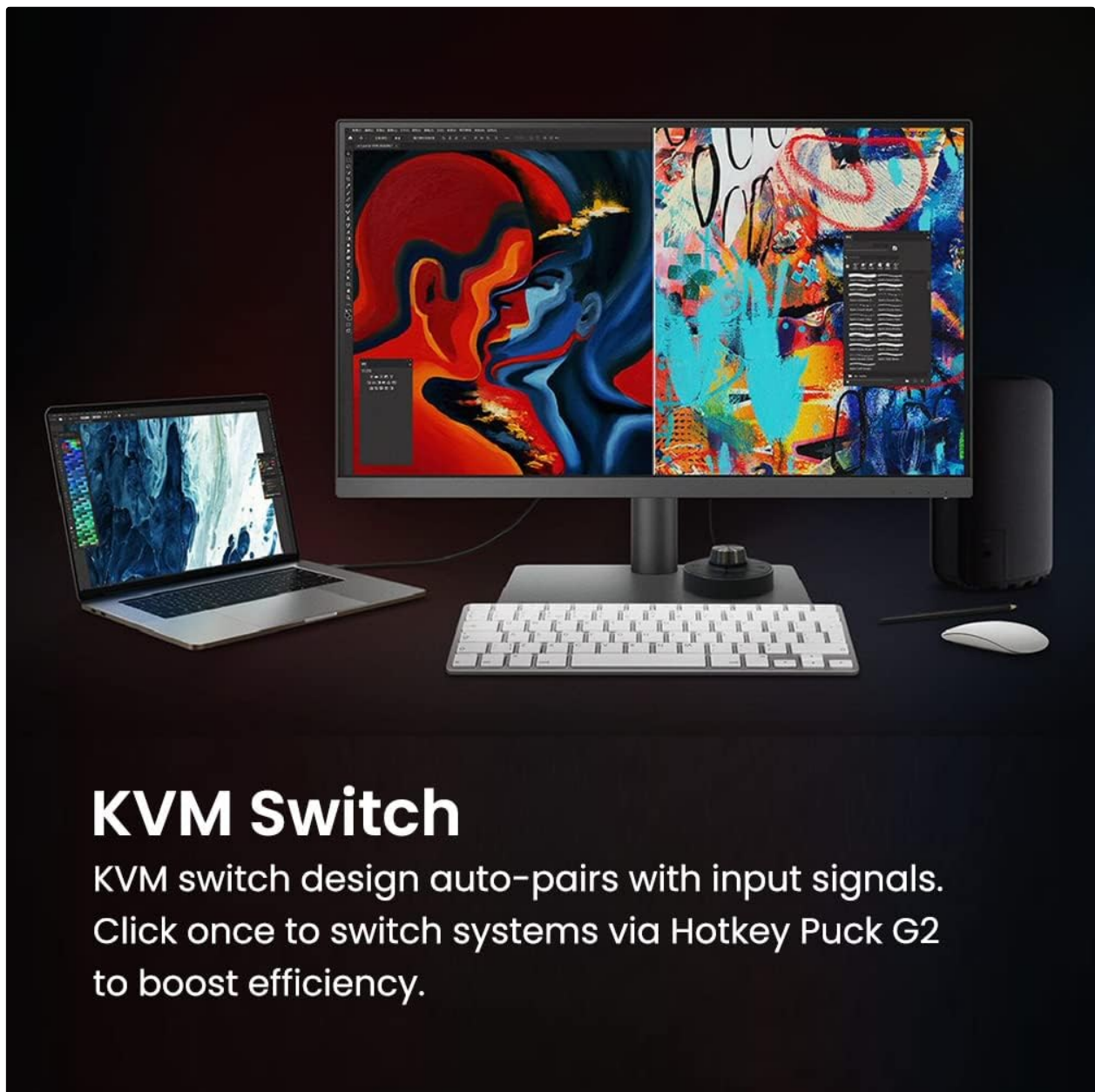


Figure 5.3: Darkroom Mode for enhanced visibility in low-light conditions.

5.4 KVM Switch

The KVM (Keyboard, Video, Mouse) switch allows you to control two different computer systems using a single keyboard and mouse connected to the monitor. The KVM switch auto-pairs with input signals. Use the Hotkey Puck G2 to switch between systems.



KVM Switch

KVM switch design auto-pairs with input signals. Click once to switch systems via Hotkey Puck G2 to boost efficiency.

Figure 5.4: KVM Switch in action, allowing control of two systems with one set of peripherals.

5.5 DualView and Picture-in-Picture (PIP/PBP)

The monitor supports DualView, allowing you to display content from two different sources side-by-side. Picture-in-Picture (PIP) and Picture-by-Picture (PBP) modes are also available for enhanced multitasking.

5.6 Built-in Speakers

The monitor includes built-in speakers for audio output, reducing the need for external speakers.

5.7 Eye-Care Features

The BenQ PD3205U incorporates eye-care technologies for reduced eye strain:

- **Low Blue Light:** Reduces harmful blue light emissions.
- **Flicker-Free:** Eliminates screen flickering at all brightness levels.



**TÜV Rheinland
Certification**



Low Blue Light



Flicker-free

Flicker-Free™



Figure 5.5: TÜV Rheinland Certified eye-care features including Low Blue Light and Flicker-Free technology.

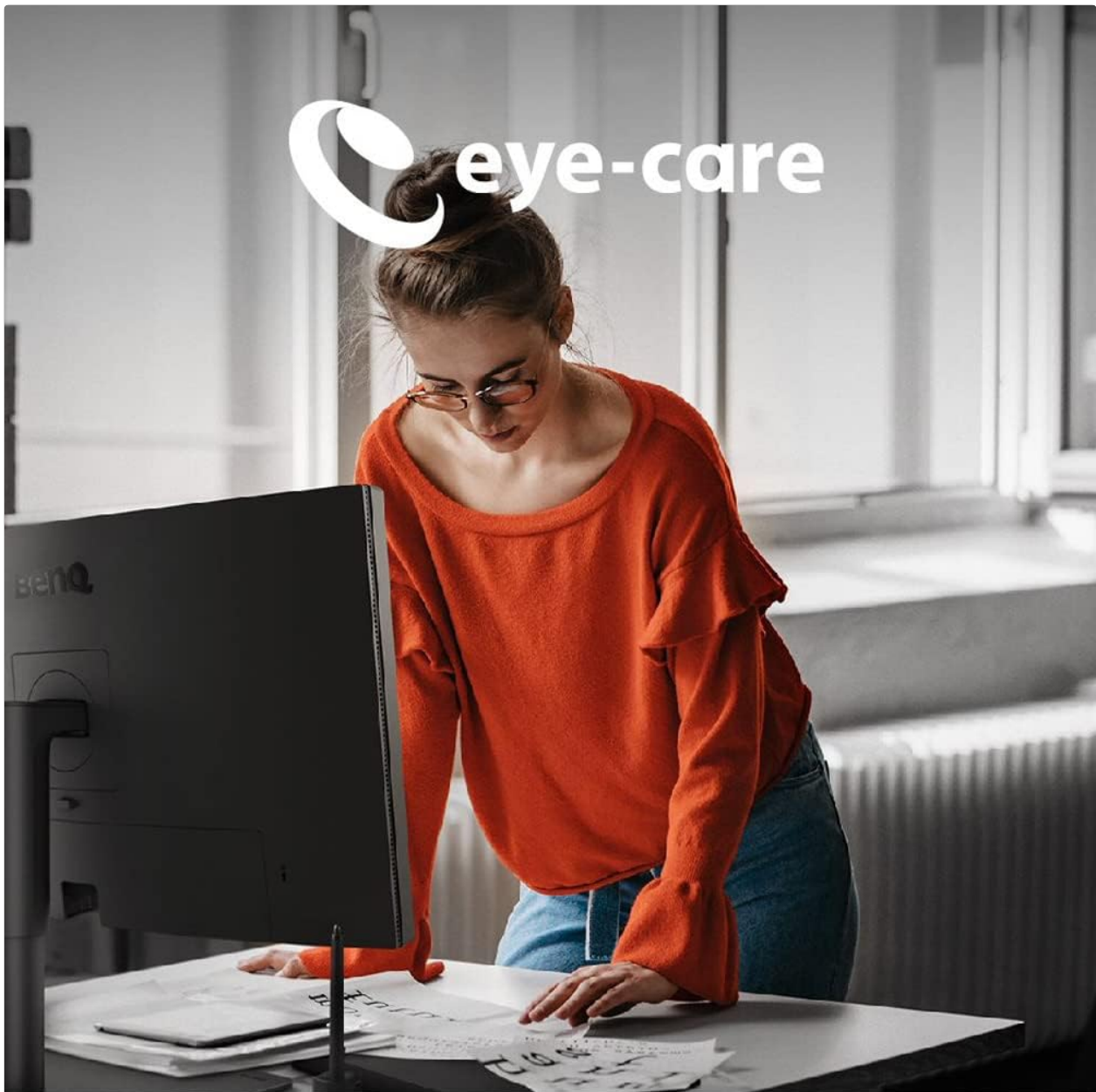


Figure 5.6: BenQ Eye-Care for comfortable viewing.

5.8 Display ColorTalk Software

The Display ColorTalk software helps ensure consistent color across multiple BenQ monitors. This is particularly useful for professional workflows requiring precise color matching between displays.

Video 5.1: Demonstration of Display ColorTalk Color Consistency Software for matching colors across multiple monitors.

5.9 Palette Master Ultimate Software Calibration

For advanced color calibration, the PD series monitors are compatible with Palette Master Ultimate software. This allows for hardware calibration to maintain color accuracy over time.

Video 5.2: Overview of PD Series Palette Master Ultimate Software Calibration for maintaining color accuracy.

5.10 Monitor Overview

A general overview of the BenQ PD3205U monitor's features and design.

Video 5.3: A brief overview of the BenQ PD3205U Monitor.

6. MAINTENANCE

6.1 Cleaning the Monitor

To clean the monitor, first disconnect the power cable. Use a soft, lint-free cloth lightly dampened with water or a mild, non-abrasive screen cleaner. Do not spray cleaner directly onto the screen.

6.2 General Care

Avoid placing heavy objects on the monitor or its cables. Keep the monitor away from strong magnetic fields and direct heat sources.

7. TROUBLESHOOTING

If you encounter issues with your BenQ PD3205U monitor, refer to the following common solutions:

- **No Power:** Ensure the power cable is securely connected to both the monitor and a working power outlet.
- **No Signal:** Verify that the video input cable (HDMI, DisplayPort, USB-C) is correctly connected to both the monitor and your computer. Check the input source selection in the OSD menu.
- **Flickering Screen:** Ensure the video cable is securely connected. Check for any external interference. The monitor features Flicker-Free technology to minimize this issue.
- **Incorrect Color Display:** Check the selected color mode in the OSD menu. If using multiple monitors, ensure they are calibrated or matched using Display ColorTalk.
- **KVM Not Switching:** Ensure the USB-B cable is connected from the monitor to your primary computer, and the USB-C cable (or other video/USB upstream) is connected to the secondary computer. Use the Hotkey Puck G2 to switch inputs.

8. SPECIFICATIONS

Feature	Detail
Standing Screen Display Size	31.5 Inches
Screen Resolution	3840x2160 (4K UHD)
Panel Type	IPS
Color Gamut	99% Rec.709 & sRGB
Delta E	≤3 (Average)
Connectivity	DisplayPort 1.4, HDMI 2.0, USB-C (90W), USB 3.0 Hub (3 ports), USB 2.0 Hub (3 ports), Headphone Jack
Ergonomics	Tilt, Pivot, Swivel, Height Adjustment
Special Features	AQCOLOR Technology, ICC Sync, KVM Switch, DualView, HotKey Puck, Built-In Speakers, Eye-Care (Low Blue Light, Flicker-Free)
Item Weight	20.7 pounds

Feature	Detail
Product Dimensions	3.98 x 11.08 x 9.13 inches
Color	Metallic Grey

9. WARRANTY AND SUPPORT

The BenQ PD3205U monitor typically comes with a 3-year manufacturer's warranty. For detailed warranty information, technical support, or service inquiries, please refer to the official BenQ website or contact their customer service directly.