

TCL 32R84

TCL 32R84 Series 4K UHD QD-Mini LED Gaming Monitor User Manual

Model: 32R84

1. INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your TCL 32R84 Series 4K UHD QD-Mini LED Gaming Monitor. Please read this manual thoroughly before using the product to ensure correct usage and optimal performance. Keep this manual for future reference.



Image 1.1: Front view of the TCL 32R84 Series Gaming Monitor.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the monitor and ensure user safety:

- Do not expose the monitor to rain or moisture.
- Do not open the monitor casing; refer all servicing to qualified personnel.
- Ensure proper ventilation around the monitor.
- Use only the power adapter supplied with the monitor.
- Avoid placing heavy objects on the power cord.
- Clean the screen with a soft, lint-free cloth. Avoid harsh chemicals.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- TCL 32R84 Series Gaming Monitor
- Monitor Stand (Base and Neck)
- Power Adapter and Cable

- HDMI Cable
- DisplayPort Cable
- USB-C Cable
- User Manual (this document)

4. SETUP

4.1 Assembling the Stand

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand neck to the monitor panel.
3. Secure the stand base to the stand neck.
4. Place the assembled monitor on a stable, flat surface.



Image 4.1: Illustration of the adjustable stand and its range of motion.

4.2 Connecting to a Device

The monitor supports multiple input options. Choose the appropriate cable for your device.

2 HDMI Inputs and 1 DisplayPort – Multiple high-speed connections for connection to your PC and more.

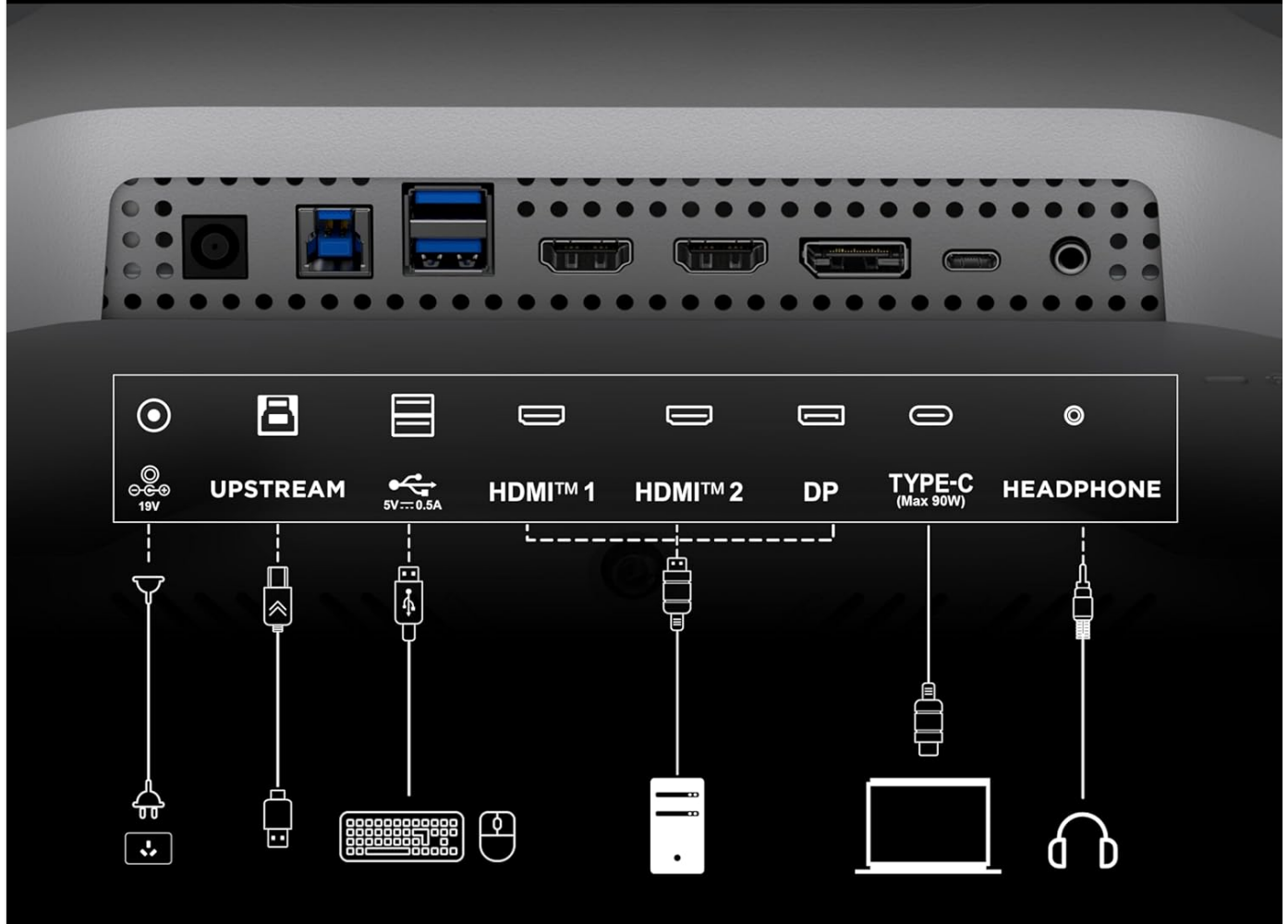


Image 4.2: Rear panel showing available input and output ports.

- **HDMI:** Connect an HDMI cable from your computer or console to one of the monitor's HDMI ports (HDMI1 or HDMI2).
- **DisplayPort:** Connect a DisplayPort cable from your computer to the monitor's DP port.
- **USB-C:** Connect a USB-C cable from a compatible device (e.g., laptop) to the monitor's USB-C port for video, data, and power delivery.
- **Headphone:** Connect headphones to the 3.5mm audio jack.
- **USB Upstream:** Connect a USB-A to USB-B cable from your computer to the monitor's USB Upstream port to enable the monitor's USB-A ports.

4.3 Power Connection

1. Connect the power adapter to the monitor's power input.

2. Plug the power cable into a wall outlet.

4.4 Initial Power On

Press the power button (usually located on the back or bottom of the monitor) to turn on the display. The monitor should automatically detect the active input source.

5. OPERATING INSTRUCTIONS

5.1 On-Screen Display (OSD) Navigation

The monitor's settings are controlled via a joystick button, typically located on the rear or bottom of the monitor. Push the joystick in to confirm selections, and move it up/down/left/right to navigate menus.

5.2 Key Features and Settings

5.2.1 QD-Mini LED Technology

The QD-Mini LED backlight system provides precise local dimming, enhancing contrast and brightness for a superior visual experience. This technology contributes to deeper blacks and brighter highlights.

QD-Mini LED – High zone dimming for stunning contrast.



Image 5.1: Visual representation of QD-Mini LED's high zone dimming for contrast.

5.2.2 TCL Halo Control System

This advanced technology suite, including a powerful light-emitting microchip, super condensed micro lens, and HVA panel, works to minimize halo effects around bright objects on dark backgrounds, improving picture accuracy.

TCL Halo Control System – Creating an all-new level of picture accuracy.

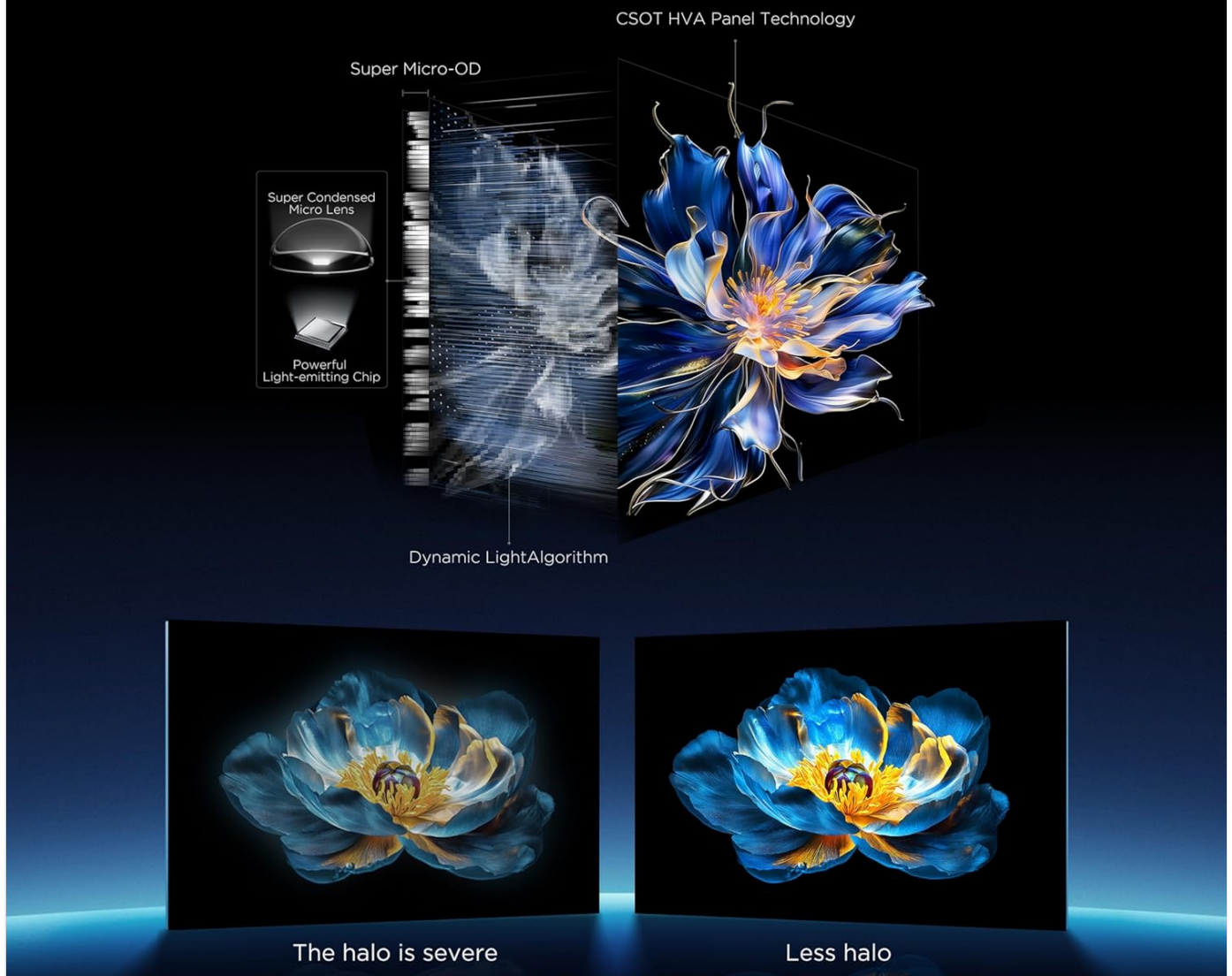


Image 5.2: Comparison showing reduced halo effect with Halo Control System.

5.2.3 Resolution and Refresh Rate

The monitor features a 4K UHD (3840x2160) resolution and a 165Hz native refresh rate. Adjust these settings in your operating system's display settings for optimal clarity and fluid motion.

4K UHD (3840x2160) Resolution – See everything in crystal clarity.



Image 5.3: Visual difference between 4K UHD and lower resolutions.

165Hz Native Refresh Rate – Ultra-fluid motion.

165Hz



Image 5.4: Depiction of ultra-fluid motion at 165Hz.

5.2.4 HDR1400 Brightness and LD1400 Precise Dimming

The monitor supports HDR1400 for ultra-bright highlights and deep contrast. The LD1400 Precise Dimming Series provides scene-by-scene backlight control for balanced contrast.

HDR1400 Brightness – High contrast with dazzling specular highlights.



1400 nits

Image 5.5: Visual comparison of HDR1400 brightness.

LD1400 Precise Dimming Series –

Adaptive local dimming for deep blacks and great contrast.

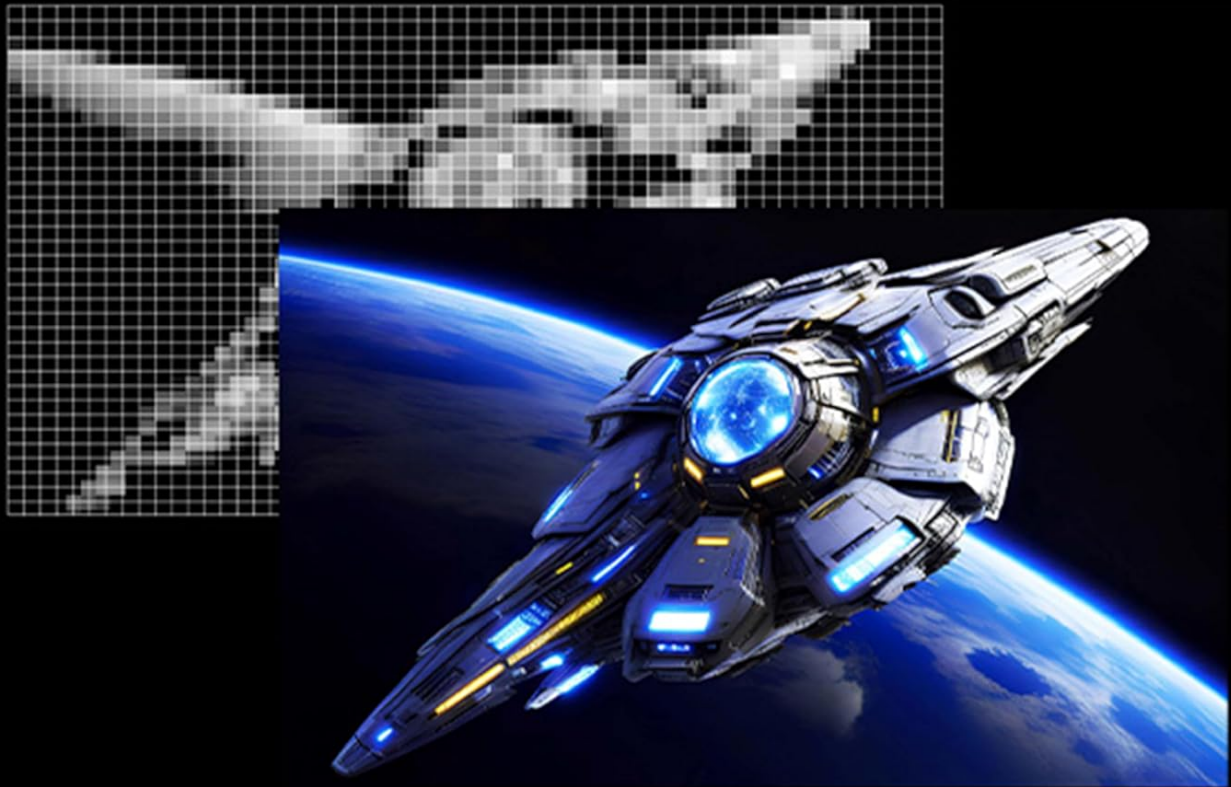


Image 5.6: Representation of LD1400 Precise Dimming for adaptive local dimming.

5.2.5 1ms (GTG) Response Time

Experience lightning-fast responsiveness with a 1ms Gray-to-Gray (GTG) response time, crucial for competitive gaming to minimize motion blur.

1ms (GTG) – Lightning-fast response.



Image 5.7: Visualizing the impact of 1ms GTG response time on fast-moving images.

5.2.6 AMD FreeSync Premium and NVIDIA G-SYNC Compatibility

The monitor supports AMD FreeSync Premium and is compatible with NVIDIA G-SYNC, eliminating screen tearing and stuttering for a smoother gaming experience. Ensure these features are enabled in your graphics card settings.

AMD FreeSync – Smoother motion with no tearing.



Image 5.8: Demonstrating smoother motion with AMD FreeSync Premium enabled.

5.2.7 QLED Technology

QLED technology delivers rich, vibrant colors across a wide spectrum, enhancing the realism and immersion of your content.

QLED – Rich, vibrant colors.



Image 5.9: Visual representation of QLED's vibrant color reproduction.

5.2.8 RGB Lighting Effects

The monitor features dynamic RGB lighting on the rear, providing an immersive ambient glow. These effects can typically be customized through the OSD menu.

RGB Lighting Effects – Dynamic, immersive ambient glow.

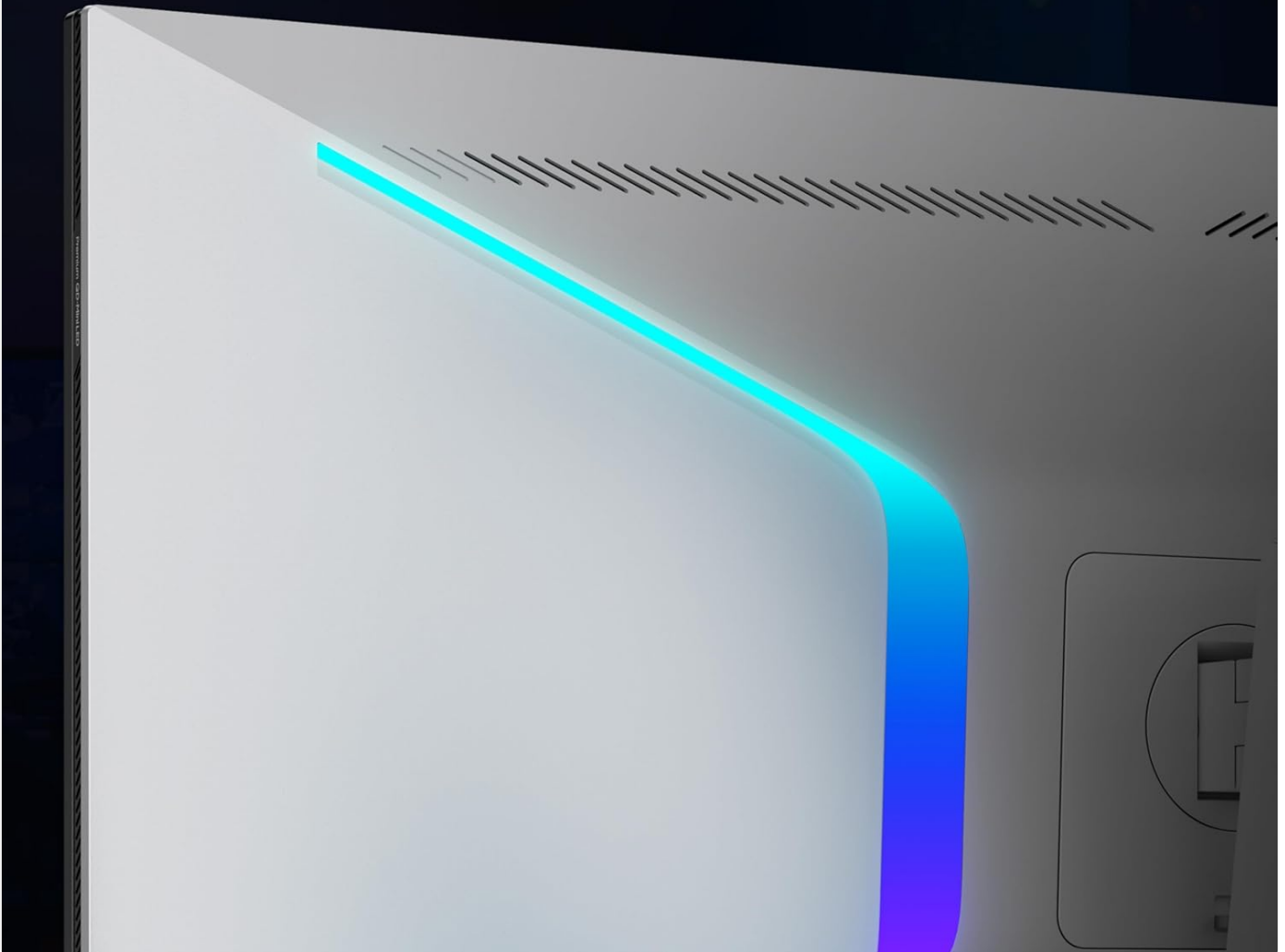


Image 5.10: Rear view highlighting the RGB lighting effects.

5.2.9 Crosshair Aim Guide

For gaming, the monitor includes an on-screen crosshair aim guide. This feature can be enabled via the OSD to assist with aiming accuracy.

Crosshair Aim Guide – Aim faster and more accurately.



Image 5.11: Example of the Crosshair Aim Guide in use during gameplay.

5.2.10 USB-C Power Delivery

The USB-C port supports power delivery, allowing you to charge compatible laptops or devices while simultaneously receiving video and data signals through a single cable.

USB-C Power Deliver – One cable to game and charge, without clutter.



Image 5.12: USB-C Power Delivery for simplified connectivity.

5.2.11 Built-in Stereo Speakers

The monitor includes built-in stereo speakers for audio output. Volume can be adjusted via the OSD or your connected device.

Built-In Stereo Speakers – Big sound without extra gear.



Image 5.13: Visual representation of built-in stereo speakers.

5.2.12 Adjustable Stand

The monitor stand allows for tilt, swivel, and height adjustments to achieve an ergonomic viewing position.

- **Tilt:** Adjust the screen angle forward or backward.
- **Swivel:** Rotate the screen horizontally.
- **Height Adjustment:** Raise or lower the screen to eye level.

6. MAINTENANCE

6.1 Cleaning the Monitor

- **Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a screen-specific cleaning solution. Do not spray liquid directly onto the screen.
- **Casing:** Use a soft, dry cloth to clean the monitor casing. Avoid abrasive cleaners or solvents.

6.2 Storage

When storing the monitor for extended periods, ensure it is powered off, unplugged, and stored in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on screen	Power cable disconnected; input cable disconnected; incorrect input source selected.	Check power and input cable connections. Select the correct input source via the OSD.
Image flickering or unstable	Incorrect refresh rate; faulty cable; graphics card issue; FreeSync/G-SYNC settings.	Adjust refresh rate in OS. Try a different cable. Update graphics drivers. Verify FreeSync/G-SYNC settings.
No sound from speakers	Volume too low; incorrect audio output selected in OS; faulty cable.	Increase monitor volume via OSD. Select monitor as audio output in OS. Check audio cable if using 3.5mm jack.
Colors appear incorrect	Color settings misconfigured; HDR mode issues.	Reset color settings in OSD. Calibrate colors. Ensure HDR settings are correct in OS and monitor.

8. SPECIFICATIONS

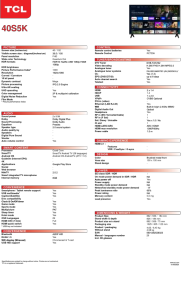



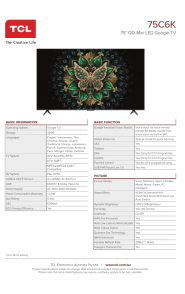
Feature	Detail
Model Number	32R84
Screen Size	32 Inches
Display Resolution	3840x2160 (4K UHD)
Max Refresh Rate	165Hz
Response Time	1ms (GTG)
Panel Type	QD-Mini LED, HVA Panel
HDR Support	HDR1400 (VESA DisplayHDR 1400 Certified)
Adaptive Sync	AMD FreeSync Premium, NVIDIA G-SYNC Compatible
Connectivity	2x HDMI, 1x DisplayPort, 1x USB-C (with Power Delivery), USB Upstream, Headphone Out
Dimensions (L x W x H)	7.8 x 71.3 x 41.9 cm (Product)
Weight	13.6 kg
Color	Black/White

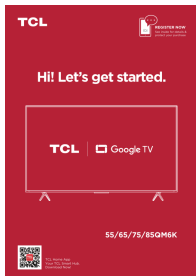
9. WARRANTY AND SUPPORT

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

TCL Support Website: www.tcl.com/ca/en/support

Related Documents - 32R84

	<p>TCL 40S5K Smart TV Specifications and Features</p> <p>Detailed specifications for the TCL 40S5K Smart TV, covering screen size, audio capabilities, smart features, connectivity, design, and power consumption. Includes information on picture quality, HDR formats, and gaming experience.</p>
	<p>TCL Google TV User Guide: Setup, Operation, and Troubleshooting</p> <p>This user guide provides comprehensive instructions for setting up and operating your TCL Google TV, including connections, basic functions, advanced settings, troubleshooting tips, and warranty information.</p>
	<p>TCL 115QM7K Google TV: Quick Start Guide & Warranty Information</p> <p>Comprehensive guide for setting up your TCL 115QM7K Google TV, including installation, power-up, remote usage, port descriptions, troubleshooting, and limited warranty details.</p>
	<p>TCL QM6K Series Google TV: Quick Start Guide & Setup Instructions</p> <p>Comprehensive guide for setting up your TCL QM6K Series QD-Mini LED QLED 4K UHD Smart Google TV, including installation, remote control, connectivity, troubleshooting, and warranty information.</p>
	<p>TCL 75C6K 75-inch QD-Mini LED Google TV Specifications</p> <p>Detailed specifications for the TCL 75C6K 75-inch QD-Mini LED Google TV, covering its operating system, connectivity, picture and sound features, smart TV capabilities, dimensions, and VESA mount compatibility. Includes information from TCL Electronics Australia.</p>



[TCL QM6K Series Smart TV Quick Start Guide](#)

Quick start guide for TCL QM6K Series Smart TVs (models 55/65/75/85QM6K), covering setup, registration, safety, warranty, and troubleshooting. Learn how to connect, power up, and get started with your new Google TV.