LG OLED48C5PUA

LG 48-Inch Class OLED evo AI 4K C5 Series Smart TV User Manual (Model OLED48C5PUA)

This manual provides essential information for the safe and efficient use of your LG OLED evo AI 4K C5 Series Smart TV. Please read it thoroughly before operating the product.

1. Introduction

Welcome to the LG OLED evo AI 4K C5 Series Smart TV experience. This television combines advanced OLED technology with AI processing to deliver exceptional picture and sound quality. This manual will guide you through the setup, operation, and maintenance of your new TV.

2. What's in the Box

Verify that all components are present before beginning installation. If any items are missing or damaged, contact your retailer or LG customer support.

- LG 48-Inch Class OLED evo AI 4K C5 Series Smart TV
- Magic Remote Control
- AAA Batteries (2) for Remote Control
- TV Stand Components
- Power Cable
- Quick Start Guide
- User Manual (this document)



Figure 2.1: This image illustrates the physical dimensions of the LG OLED48C5PUA TV and lists the main items included in the packaging: Magic Remote, Remote Control Batteries, Stand, Quick Start Guide, and Power Cable.

3. Setup

3.1 Unpacking and Placement

Carefully remove the TV from its packaging. It is recommended that two or more people handle the TV due to its size and weight. Place the TV on a stable, level surface or mount it securely to a wall using a compatible VESA mount (sold separately). Ensure adequate ventilation around the TV to prevent overheating.

3.2 Attaching the Stand

If using the included stand, follow these steps:

1. Align the stand base with the mounting holes on the bottom of the TV.
2. Secure the stand using the provided screws. Do not overtighten.



Figure 3.1: The LG OLED48C5PUA TV is shown from the front, resting on its included stand. This view highlights the slim bezel and the central stand design.

3.3 Connecting Peripherals

Connect your external devices (e.g., cable box, Blu-ray player, gaming console) to the appropriate ports on the back of the TV.

- **HDMI Ports:** The TV features four HDMI 2.1 inputs for high-definition audio and video, supporting advanced gaming features like 4K@120Hz, VRR, ALLM, and eARC.
- **USB Ports:** Connect USB storage devices for media playback or software updates.
- **LAN Port:** For a stable wired internet connection.
- **Optical Digital Audio Out:** For connecting to external audio systems or soundbars.
- **Antenna/Cable In:** For connecting an antenna or cable TV signal.



Figure 3.2: This image displays the back panel of the LG OLED48C5PUA TV, detailing the arrangement of ports including HDMI, USB, LAN, Optical Digital Audio Out, and Antenna/Cable In.



Figure 3.3: A detailed view of the connectivity panel on the LG OLED48C5PUA TV, highlighting the HDMI, USB, LAN, and audio output ports for connecting various devices.

3.4 Power Connection

Plug the power cable securely into the TV's power input, then into a functional wall outlet.

4. Operating

4.1 Initial Power On and Setup Wizard

Press the power button on the remote control or the TV. The initial setup wizard will guide you through essential configurations such as language selection, network connection (Wi-Fi or wired), and channel scanning. Follow the on-screen prompts to complete the setup.

4.2 Using the Magic Remote

The LG Magic Remote allows for intuitive control using point-and-click functionality, a scroll wheel for quick browsing, and

voice commands. Point the remote at the screen to move the cursor, or use the directional buttons for traditional navigation.

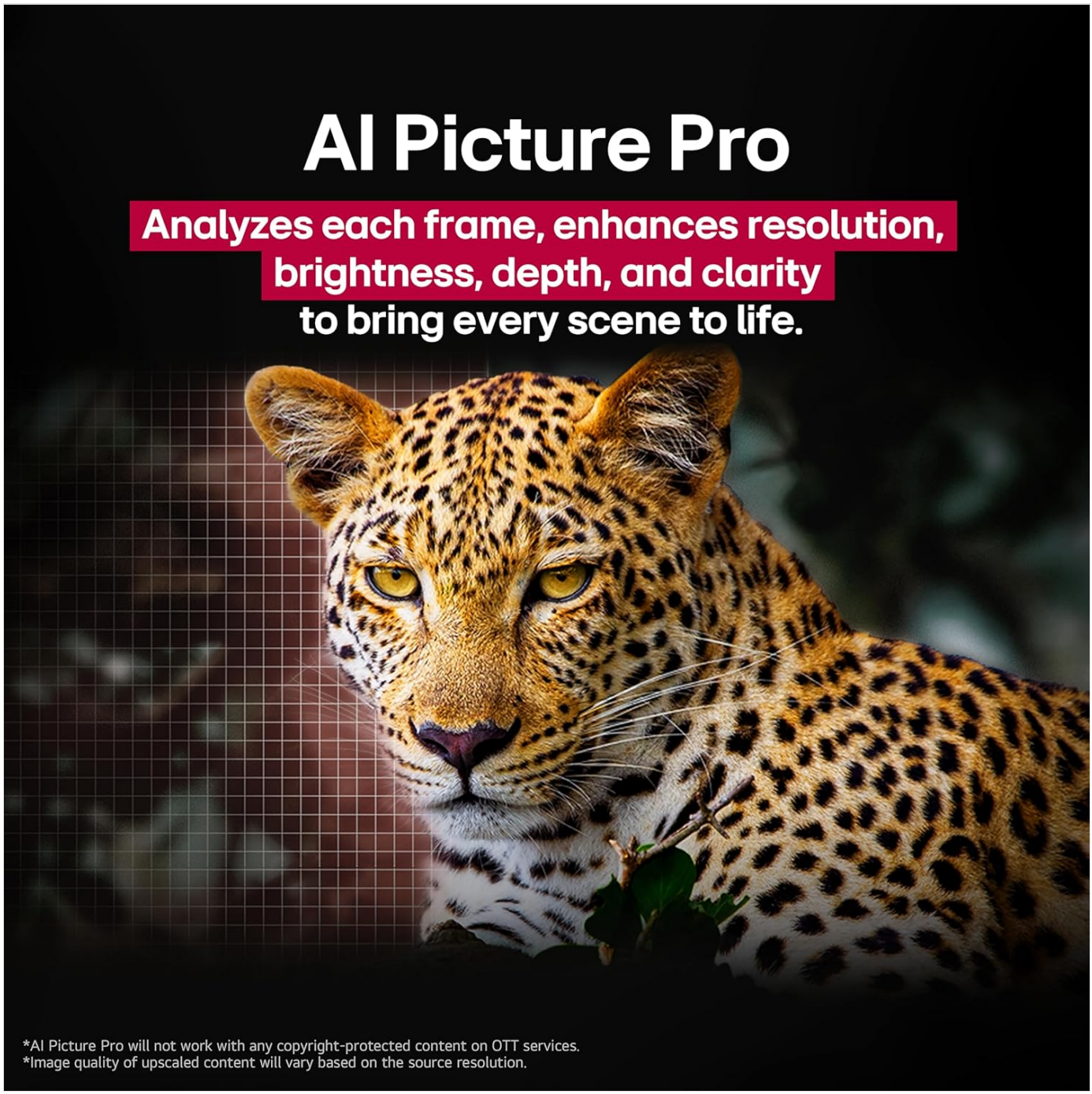

Figure 4.1: This graphic shows the LG Magic Remote and highlights its key functionalities: point-and-click navigation, scroll wheel for quick browsing, and a dedicated AI button for voice commands and smart features.

4.3 Navigating webOS 25

Your LG Smart TV runs on webOS 25, providing a user-friendly interface for accessing streaming services, apps, and smart features. The home screen offers quick access to your favorite content and settings.



Figure 4.2: This image showcases the LG webOS interface, featuring icons for popular streaming apps like Netflix, Disney+, Apple TV+, Prime Video, Hulu, and Sling, along with options for free live channels and cloud gaming.

4.4 AI Voice ID with My Profile

The TV supports AI Voice ID, which recognizes your voice and provides personalized content recommendations and settings. Create individual profiles for each user to tailor the viewing experience.



Figure 4.3: A visual representation of the LG TV's 'My Profile' feature, where AI Voice ID recognizes the user and offers tailored content suggestions across various categories like Home Office, Game, Music, and Sports.

4.5 Picture and Sound Settings

Access the settings menu to customize picture and sound modes. The Personalized Picture and Sound Wizard uses AI to optimize settings based on your preferences, analyzing your favorite images and sound clips to create a tailored experience.

5. Key Features

5.1 α9 AI Processor Gen8

The α9 AI Processor Gen8 is engineered exclusively for LG OLED, enhancing picture and sound quality through advanced AI Super Upscaling and deep learning algorithms. It optimizes content in real-time for a personalized and vivid viewing experience.

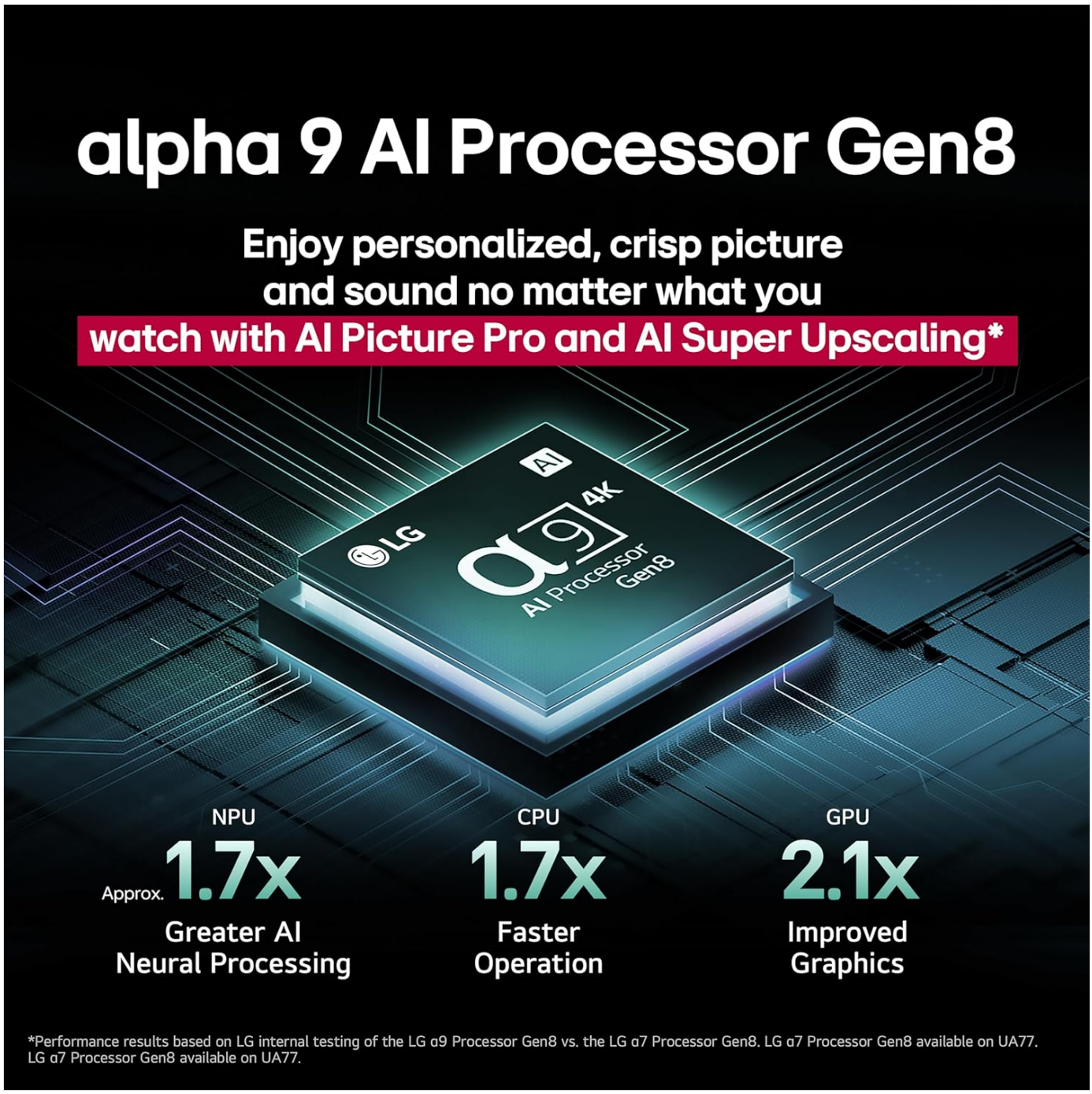

Figure 5.1: This graphic illustrates the internal components of the α9 AI Processor Gen8, detailing its Neural Processing Unit (NPU), Central Processing Unit (CPU), and Graphics Processing Unit (GPU), and their respective performance enhancements.

5.2 Perfect Black and Perfect Color

OLED technology delivers perfect black levels by individually lighting each of its over 8.3 million self-lit pixels. This results in infinite contrast and 100% color fidelity, producing stunningly vibrant and accurate colors even in bright or dark environments.

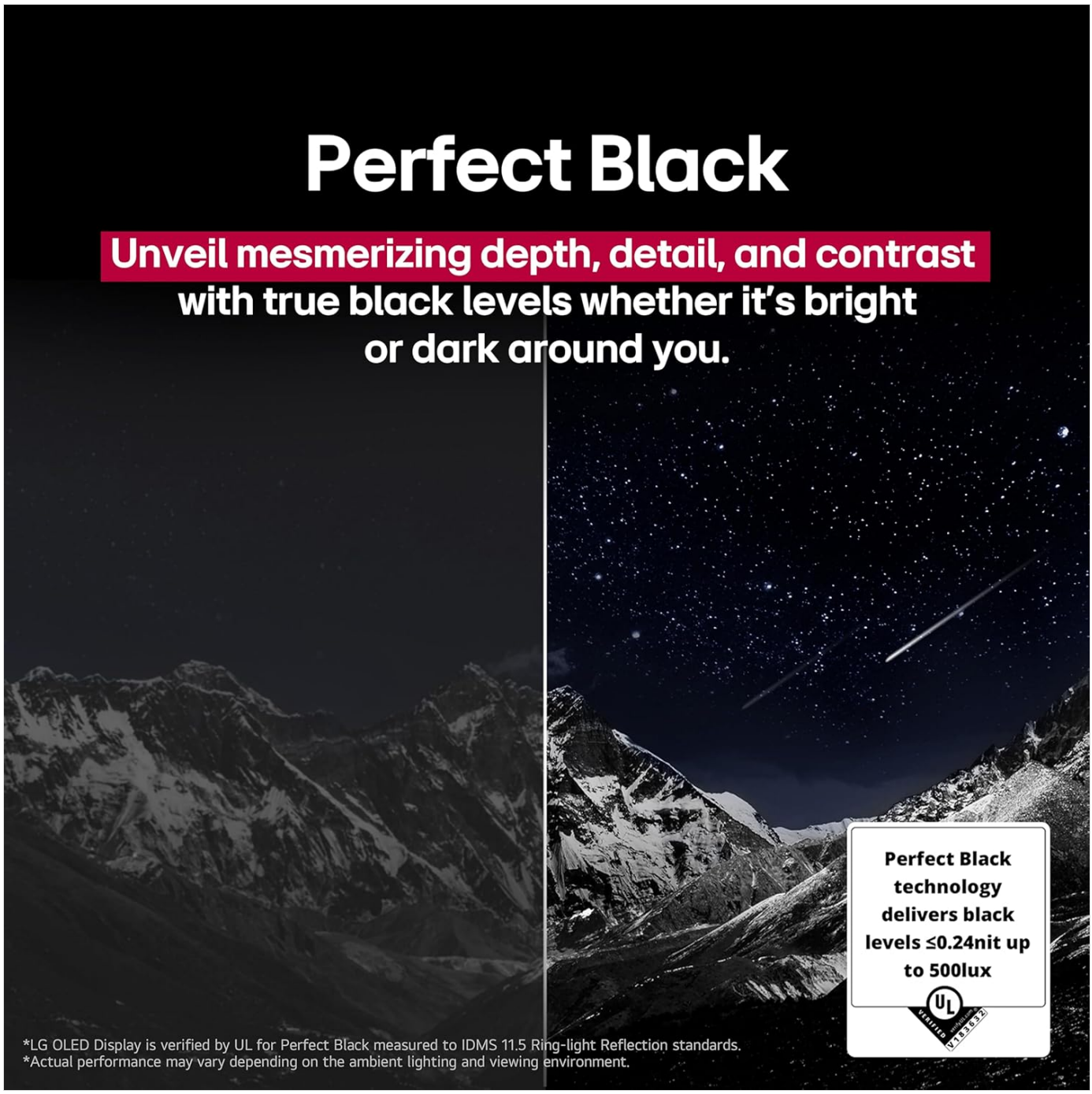

Figure 5.2: A split image showing a dark mountain scene, with one side displaying typical black levels and the other demonstrating the deep, true black levels achieved by LG OLED technology.



Figure 5.3: A vibrant image of fireworks against a night sky, illustrating the 100% color fidelity and color volume achieved by LG OLED technology for accurate and lifelike colors.

5.3 AI Picture Pro

AI Picture Pro analyzes each frame of content, intelligently enhancing resolution, brightness, depth, and clarity to bring every scene to life with remarkable detail and realism.

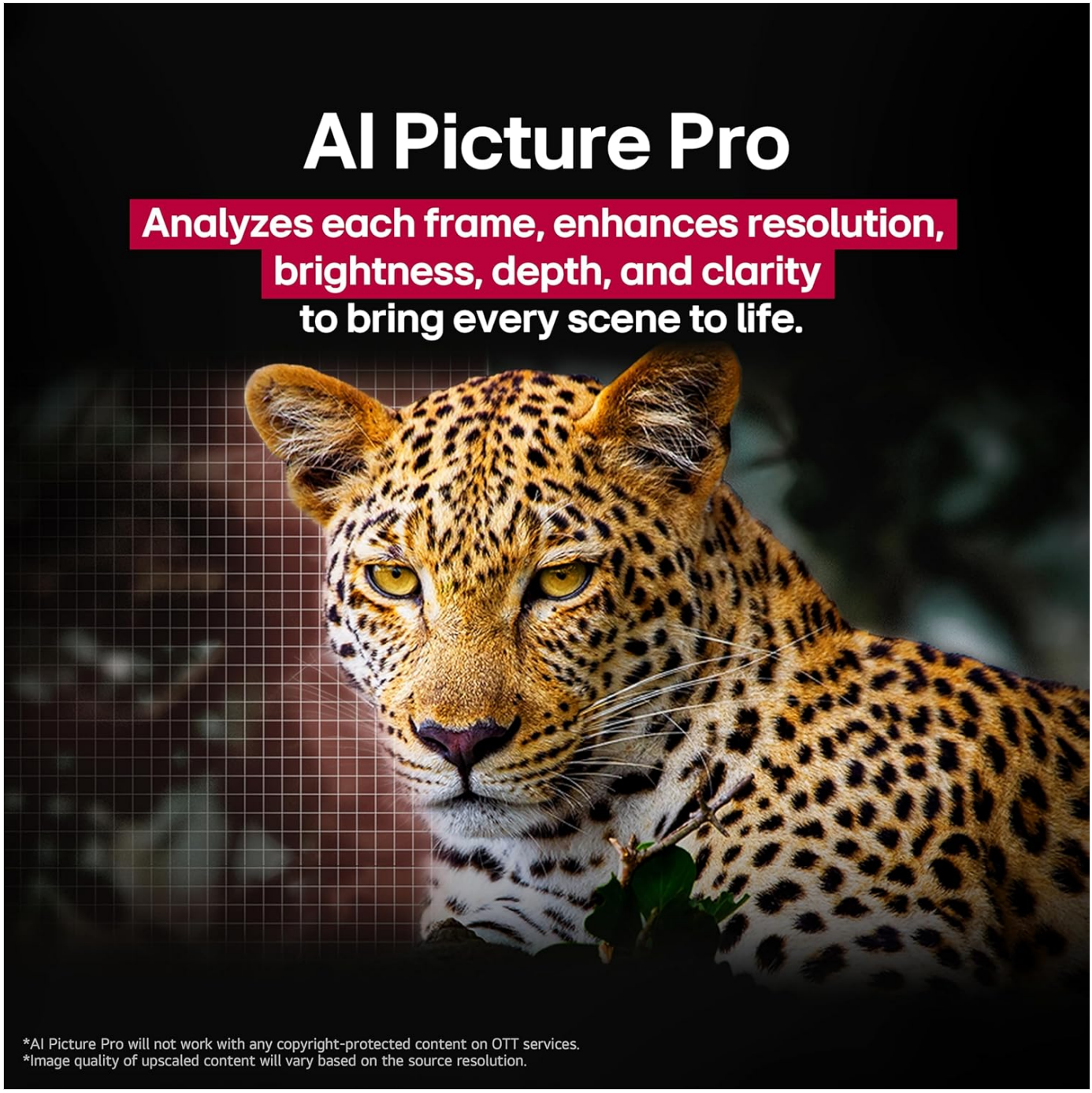

Figure 5.4: A close-up image of a leopard, with a grid overlay suggesting how AI Picture Pro analyzes and enhances resolution, brightness, depth, and clarity in real-time.

5.4 Dolby Vision, Dolby Atmos, and Filmmaker Mode

Experience cinematic magic with Dolby Vision for extraordinary color, contrast, and brightness. Dolby Atmos provides immersive, multi-dimensional sound that flows all around you. Filmmaker Mode preserves the director's original vision, presenting movies exactly as intended.

5.5 Ultimate Gaming Experience

The LG OLED C5 Series TV is optimized for gaming, offering a 0.1ms response time and up to a 144Hz refresh rate for smooth, blur-free motion. It supports NVIDIA G-SYNC, AMD FreeSync Premium, and Variable Refresh Rate (VRR) to eliminate screen tearing and stuttering. Four HDMI 2.1 inputs allow you to connect multiple next-gen gaming consoles and PCs. The Game Dashboard and Game Optimizer provide quick access to game-specific settings and features.

6. Maintenance

6.1 Cleaning the Screen

Gently wipe the screen with a soft, dry microfiber cloth. Do not use harsh chemicals, abrasive materials, or excessive pressure, as this can damage the OLED panel. For stubborn smudges, lightly dampen the cloth with distilled water.

6.2 Cleaning the TV Body

Use a soft, slightly damp cloth to clean the TV's exterior. Avoid spraying liquids directly onto the TV. Ensure the TV is unplugged before cleaning.

6.3 Software Updates

Ensure your TV's software is up to date for optimal performance, security, and access to new features. Software updates can be configured to download and install automatically via webOS. You can also manually check for updates in the TV's settings menu.

7. Troubleshooting

If you encounter issues with your TV, refer to the following common troubleshooting steps:

7.1 No Power

- Check if the power cable is securely connected to both the TV and a functional wall outlet.
- Verify the wall outlet is working by plugging in another device.
- Try a different power outlet.

7.2 No Picture or Sound

- Ensure the correct input source is selected using the remote control.
- Check all cable connections (HDMI, antenna, etc.) for secure fit.
- Restart the TV and any connected devices.
- Adjust the volume and check if the TV is muted.

7.3 Remote Control Not Working

- Replace the batteries in the Magic Remote.
- Ensure there are no obstructions between the remote and the TV.
- Re-pair the Magic Remote if necessary (refer to the on-screen instructions in the TV's settings menu).

7.4 Internet Connection Issues

- Check your router and modem. Restart them if needed.
- Verify the Wi-Fi password if connecting wirelessly.
- Try connecting via an Ethernet cable to the LAN port for a more stable connection.

For further assistance, refer to the on-screen help menu on your TV or visit the LG support website.

8. Specifications

Feature	Detail
Brand	LG

Feature	Detail
Model Number	OLED48C5PUA
Screen Size	48 inches
Display Technology	OLED
Resolution	4K (3840 x 2160)
Refresh Rate	120 Hz (up to 144Hz for gaming)
Processor	α9 AI Processor Gen8
Connectivity	Bluetooth, Ethernet, HDMI (4x HDMI 2.1), USB, Wi-Fi
Special Features	AMD FreeSync, Built-In Speaker, Google Cast, Multiple Voice Assistance, NVIDIA G-Sync, Dolby Vision, Dolby Atmos, Filmmaker Mode, AI Super Upscaling
Product Dimensions (with stand)	42.2" W x 26.6" H x 9.1" D
Item Weight	37 Pounds
On-mode Power Consumption	95 watts
Annual Energy Consumption	176 kWh/year
Included Components	Power Cable, Remote Control, Stand, User Manual

Note: Specifications are subject to change without notice. For the most current information, please refer to the official LG website.

9. Warranty and Support

9.1 Warranty Information

Your LG OLED evo AI 4K C5 Series Smart TV comes with a limited manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official LG website for detailed terms and conditions regarding coverage, duration, and service procedures.

9.2 Customer Support

For technical support, service inquiries, or additional information, please contact LG Customer Service. You can find contact details, FAQs, and support resources on the official LG website:
www.lg.com/us/support

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question