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> Hisense 50U8R 50V-inch 4K Mini LED Quantum Dot TV User Manual

Hisense 50U8R

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Model: 50U8R | Brand: Hisense

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Hisense 50U8R 50V-inch 4K Mini LED Quantum Dot TV. Please read these instructions thoroughly before using your television and retain them for future reference. This television features advanced Mini-LED PRO backlight technology, a HI-VIEW AI Engine PRO, Quantum Dot wide color gamut, and a 2.1.2 spatial surround sound system for an immersive viewing experience.



Figure 1: Front view of the Hisense 50U8R 50V-inch 4K Mini LED TV.

SETUP

1. Unpacking and Component Check

Carefully remove the television from its packaging. Ensure all included components are present:

- Hisense 50U8R TV Unit
- User Manual
- Bluetooth/Infrared Remote Control
- AAA Batteries (x2) for remote control
- Power Cord
- Anti-tip strap (1 set)
- Stand (1 set)

2. Stand Installation

Attach the included stand to the television according to the instructions provided in the separate quick setup guide. Ensure the stand is securely fastened to prevent tipping.

3. Connecting External Devices

Your Hisense 50U8R TV offers various connectivity options:

- **HDMI:** Connect up to 4 HDMI devices (e.g., game consoles, Blu-ray players). HDMI 1 and HDMI 2 support HDMI 2.1 features like 144Hz VRR.
- **USB:** Two USB ports are available (1x USB 2.0, 1x USB 3.0) for connecting external storage devices for media playback or recording.
- **Wi-Fi & Bluetooth:** For wireless network access and connecting Bluetooth devices like headphones or soundbars.
- **LAN:** For a wired internet connection.
- **Optical Digital Audio Output:** For connecting to an external audio system.

4. Power Connection

After connecting all necessary devices, plug the power cord into the TV and then into a wall outlet.

OPERATING INSTRUCTIONS

1. Power On/Off

Press the power button on the remote control or on the TV to turn the television on or off.

2. Remote Control

The included remote control operates via both Bluetooth and infrared. It requires two AAA batteries. The remote features dedicated buttons for popular streaming services for quick access.

天井から音が降ってくるような立体音場を表現 2.1.2空間サラウンドシステム



AI サウンド

Dolby
ATMOS

最大出力60W※の2.1.2ch音響システムを搭載。テレビの下部に左右各1つ、加えて中央部のサブウーファー、上向きのトップスピーカー2つを配置。左右だけでなく、天井からも音が降ってくるような3D音響を実現。さらにAIサウンドの最適化調整により、音響の潜在能力を最大限に引き出し、クラスを超えるパフォーマンスを実現。

※画像はイメージです。※100U8Rは最大出力70Wの2.1.2ch音響システムになります。

Figure 2: Hisense TV remote control with direct access buttons for streaming services.

3. Smart TV Features (VIDAA OS)

Your TV runs on the VIDAA OS, providing quick access to a wide range of streaming services and smart features. Popular services like Netflix, Amazon Prime Video, Disney+, YouTube, and more are pre-installed. The system also supports voice control.



Figure 3: The VIDAA OS interface showing various streaming applications.

4. Screen Sharing

Share content from your smartphone or tablet to the TV using AirPlay 2 (for Apple devices) or Anyview Cast (for Android and Windows devices). This allows you to view photos, videos, and other content on the larger TV screen.



Figure 4: Screen sharing functionality from mobile devices to the TV.

5. Recording Features

Connect an external HDD via USB to record TV programs. The TV supports simultaneous recording of two programs and features a chapter function to skip unwanted content.



Figure 5: External HDD recording and dual program recording capabilities.

KEY FEATURES

Mini-LED PRO Backlight

The Hisense 50U8R features a newly developed Mini-LED PRO backlight. This technology efficiently and precisely illuminates high-brightness light, offering improved brightness and more precise area control compared to previous models. This results in a precise contrast expression that approaches OLED quality.



Figure 6: Visual comparison of traditional TV backlight and Mini-LED PRO backlight.

Quantum Dot Wide Color Gamut

Quantum Dot technology significantly improves color expression, especially for green and red tones, achieving a wide color gamut close to reality. Pantone validated colors provide richer hues and a deeper immersive experience.

どこにいてもクッキリなコントラスト
広視野角シートPRO※1

ハイコントラストで高画質な広視野角仕様のADSパネルを採用。斜めから見ても色が褪せることなく、みんなで高画質を楽しめます。さらに、広視野角シートPRO搭載によって、斜めから見る時の光漏れを90%以上※2抑えます。どこから見てもくっきり見やすい映像を実現します。

※1 50V型は広視野角シートPRO非搭載
※2 光漏れ：ハイセンス65U8R(2025年モデル)と65U8N(2024年モデル)との比較

Figure 7: Illustration of enhanced color reproduction with Quantum Dot technology.

HI-VIEW AI Engine PRO

Developed in collaboration with TVS, the HI-VIEW AI Engine PRO is the central processing unit for optimizing picture quality, sound, and energy efficiency. It ensures optimal performance for all entertainment content.

U8Rの特徴 | AIエンジン

Hisense
HI-VIEW AI Engine PRO

AI ピクチャー AI シナリオ
AI サウンド AI エネルギー

画質も、音質も、省エネも。
すべての「最適」をくれるAIエンジン
HI-VIEW AIエンジン PRO

詳細は右へスクロールして確認 >>

Figure 8: The HI-VIEW AI Engine PRO, optimizing picture, sound, and energy.

AI Clear Motion PRO & 144Hz VRR

The AI Clear Motion PRO, combined with a 144Hz VRR (Variable Refresh Rate) compatible panel, ensures smooth and clear images even during fast-moving scenes. It reduces motion blur and judder, making it ideal for sports and gaming. The TV supports HDMI 2.1, ALLM (Auto Low Latency Mode), and AMD FreeSync Premium for an enhanced gaming experience.



Figure 9: AI Clear Motion PRO for smooth, clear images and 144Hz VRR for gaming.

2.1.2 Spatial Surround Sound System & Dolby Atmos

The TV is equipped with a 2.1.2 channel sound system, featuring two main speakers, a central subwoofer, and two upward-firing top speakers, delivering a maximum output of 60W. This configuration creates a 3D sound experience, making sound appear to come from above. It supports Dolby Atmos for an immersive audio experience, enhancing the sense of presence like in a movie theater.



Figure 10: The 2.1.2 spatial surround sound system for immersive audio.

Low Reflection Wide Viewing Angle Panel PRO

The panel surface incorporates a low-reflection film to suppress external light reflections, allowing for a clear screen with minimal glare even in bright rooms. The wide viewing angle ADS panel ensures colors do not fade when viewed from an angle, providing high-quality visuals for everyone. Additionally, the Wide Viewing Angle Sheet PRO reduces light leakage from oblique angles by over 90%. *Note: The 50V model does not feature the Low Reflection Wide Viewing Angle Panel PRO.*



Figure 11: Low reflection film reduces glare for better viewing.

MAINTENANCE

Screen Cleaning

To clean the screen, gently wipe it with a soft, dry, lint-free cloth. For stubborn marks, slightly dampen the cloth with water or a specialized screen cleaner. Avoid using harsh chemicals, abrasive materials, or excessive pressure, as these can damage the screen.

Cabinet Cleaning

Wipe the TV cabinet with a soft, dry cloth. Do not use liquid or aerosol cleaners directly on the cabinet, as they may contain substances that could damage the finish or internal components.

Dust Removal

Regularly dust the ventilation openings on the back of the TV to ensure proper airflow and prevent overheating.

TROUBLESHOOTING

If you encounter issues with your television, please refer to the following common solutions before contacting customer support.

Problem	Possible Solution
No power	Ensure the power cord is securely plugged into both the TV and the wall outlet. Check if the wall outlet is functioning by plugging in another device.
No picture, but sound is present	Check the input source. Press the 'Input' button on your remote to cycle through available inputs. Ensure all HDMI cables are securely connected.
No sound, but picture is present	Check the volume level and ensure the TV is not muted. If using external audio, ensure it is properly connected and powered on. Check audio output settings on the TV.
Remote control not working	Replace the batteries in the remote control. Ensure there are no obstructions between the remote and the TV's IR sensor. If it's a Bluetooth remote, try re-pairing it according to the TV's settings menu.

Problem	Possible Solution
Poor picture quality	Check the signal source (antenna, cable box, streaming device). Adjust picture settings (brightness, contrast, sharpness) in the TV menu. Ensure the resolution of the input source matches the TV's capabilities.
Smart TV features not working / No internet connection	Check your Wi-Fi or wired LAN connection. Restart your router. Go to the TV's network settings to reconnect or troubleshoot the connection.

SPECIFICATIONS

Feature	Detail
Screen Size	50V-inch
Display Technology	Mini LED
Resolution	4K (3840 x 2160)
Refresh Rate	144 Hz
HDR Support	HDR10, HDR10+, HLG, Dolby Vision
Picture Enhancement	Mini-LED PRO, HI-VIEW AI Engine PRO, AI Clear Motion PRO, Quantum Dot Wide Color Gamut
Audio System	2.1.2ch Spatial Surround Sound, Dolby Atmos
Max Audio Output	60W
Connectivity	Bluetooth, HDMI (x4), USB (x2), Wi-Fi, LAN, Optical Digital Audio
HDMI Ports	4 (HDMI 1 & 2 support 144Hz VRR)
USB Ports	1x USB 2.0, 1x USB 3.0
Operating System	VIDAA OS
Screen Mirroring	AirPlay 2, Anyview Cast
Dimensions (D x W x H) with Stand	28.8 x 111 x 70.6 cm
Weight with Stand	13.5 kg
Power Consumption	180 W
VESA Mount Standard	300 x 200 mm

WARRANTY AND SUPPORT

Warranty Information

This Hisense 50U8R television comes with a **3-year manufacturer's warranty**. Please retain your proof of purchase

for warranty claims. The warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the warranty card included with your product or visit the official Hisense website.

Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact Hisense customer support. Contact details can typically be found on the Hisense official website or in the warranty documentation.