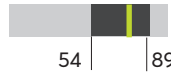




OVERALL SCORE



All LCD, LED, & OLED TVs Ratings

LG 65SJ8500 TV

✓ Recommended

A 65-inch LCD (LED) Ultra HD TV with an LED backlight with local dimming from LG, with 2160p resolution, a 240-hertz refresh rate, four HDMI inputs, and no component-video inputs.

Ratings



TV resolution type	Ultra HD
Screen size (in.)	65
Display type (Backlight)	LCD (LED)
Internet-enabled	Yes
HD picture quality	Very Good
Ultra HD performance	Very Good
Viewing angle	Very Good
Sound quality	Excellent
Motion blur	Very Good
Versatility	Excellent
Energy cost/yr. (\$)	26

Highs

- Excellent HD image detail
- Very good 4K (UHD) performance
- HDR performance is effective
- Wide viewing angle

Lows

- Visible backlight non-uniformity

CRs Take

This 65-inch 4K UHD TV, a step-up model in LG's "Super UHD" LED LCD models, delivers very good high-definition picture quality and very good UHD performance. It also has excellent sound. The TV's HDR performance was generally effective, but below that of the top sets in our ratings. This feature can produce enhanced contrast and brighter specular highlights when done well, something not true of all HDR-compatible TVs this year. (LG 4K TVs support both the HDR10 and Dolby Vision HDR formats; currently, we only test the set's HDR10 performance.) Like many other LG TVs, it has a wider-than-average viewing angle for an LCD-based set, and its "TruMotion 240" refresh rate does a very good job at reducing motion blur. This model comes with LG's updated webOS 3.5 smart TV platform, and it has four HDMI inputs and three USB ports.

Features

Frame rate (Hz)	240
WiFi	Yes
3D-capable	No
3D type	No
Number of 3D glasses included	0
Streaming services	Netflix, YouTube, Amazon Prime Video and Hulu
Web browser	Yes
DLNA-certified	Yes

Detailed Test Results

HD PICTURE QUALITY. HD picture quality was very good. It did an excellent job displaying the finest detail of HD content. Contrast—the difference between the darkest blacks and brightest whites—was good, so images had depth and dimension, typical of most models we test. The brightness level was good, making it a suitable choice for most rooms. Black levels are decent with help from LG's vertically-edge-lit "LED Local Dimming" feature, help maintain some contrast in darker scenes. In scenes with subtly shaded light-to-dark areas, such as a sky during sunset, the model did a very good job producing a smooth transition without distinct, coarse bands. There was notable display non-uniformity that created brighter cloudy areas, most visible on very dark scenes (or in the black bars of a letterboxed movie). We routinely see this issue with LCDs and severity can vary from model to model. The deinterlacing and film mode operations were excellent on HD content; there was little or no trace of jaggies on the edges of objects for video and film-based 1080i video content, such as from cable.

VIEWING ANGLE. This LG has a wide viewing angle overall, better than that of most TVs. It will provide the same picture quality, with fewer problems than most TVs, for typical viewing conditions — say, if your family is seated across a long sectional or in chairs off to the sides. The picture did show some dimming from the sides but not to any point we found distracting. With dark scenes this model didn't fare quite as well. When viewed from the sides, the depth of black levels varied depending on the vertical position of the viewer's head. As we moved closer to the screen this limitation became even more apparent, especially if seated on the floor looking upward where black levels brightened significantly.

ULTRA HD PERFORMANCE. Overall UHD performance was very good and showed very good HD-to-UHD upconversion. All native 4K content (non HDR) we played on this model, including movies and test videos, was presented in full 4K detail with excellent fidelity when played back via the TV's HDMI input. This TV can stream 4K programs from Netflix and YouTube. Images were clean and finely detailed. High-resolution photos were displayed in full 4K detail.

HIGH DYNAMIC RANGE (HDR) PERFORMANCE. HDR performance was generally effective, just short of the best we've seen. The display's lack of brightness capability (by HDR standards) limited its ability to show the benefits of HDR to full effect on our test videos, while revealing some contrast between moderately bright and very bright highlights within a scene. It did a good job reproducing a greater range of nuanced shadow detail from black to white, with no obvious banding on areas of the image that have subtle shade variations. There was no visible loss of near-white shadow detail in the brightest areas. Very bright, colored objects remained nicely saturated, and an extended range of color capability was apparent from our test patterns.

MOTION BLUR. This LG TV has very good motion performance, with minimal blurring on our motion tests, thanks to LG's "TruMotion". This feature is designed to reduce motion blur, a shortcoming of most displays.

SCREEN REFLECTIVITY. Though not as mirror-like as on some models, this screen surface is glossy and therefore susceptible to reflections from a nearby lamp or window. It does a good job reducing glare from ambient light and maintains contrast in a brighter room environment.

SOUND QUALITY. This model has excellent sound quality, among

the best we've tested. Whether you're watching a movie blockbuster, a concert, or TV show, it is able to deliver a top quality listening experience. Bass was very deep, providing almost subwoofer-like fullness to the sound though lacking in definition a bit, and treble was nicely detailed, while the overall sound was a bit closed in. The speakers produced a good volume range so this model should play sufficiently loud in typical room environments and without obvious distortion. You can get better quality from a high performing soundbar or separate home theater system but with this model that shouldn't be necessary.

EASE OF USE. On first power up there is an on-screen guide that helps you through setting up the TV. LG's "Magic Motion" remote allows you to navigate on-screen menus using a traditional button key pad, or a gesture-controlled cursor, for increased flexibility. Using a point-and-click operation, the cursor's movement on the display is linked to the motion of your hand, and is used to make selections. The remote also includes buttons that provide direct access to Netflix and Amazon streaming services.

INTERNET FEATURES. This TV provides advanced Internet capabilities via its "WebOS 3.5" portal with access to a library of applications, and a full Web browser. Movie streaming services include Netflix, YouTube, Amazon Prime Video and Hulu.

CONNECTIONS. This model has four HDMI inputs—one supports ARC (Audio Return Channel), one composite input, and no component input. It also has three USB ports, an optical digital audio out, an Ethernet port, WiFi wireless networking; DLNA, to access files within your home network; Casting, which allows you to send streaming content from your mobile device to the TV via your home network; Screen mirroring, where the image on your smartphone or other compatible device can also appear on the TV. Analog connections are made via a special breakout cable adapter (included) that attaches to the TV as a single plug. That means you plug your component, composite, or stereo cables into a dangling "pigtail" rather than the back of the TV itself. This is actually a more convenient way to make the connections on slim-profile models, but if you lose that adapter you'll have no way to connect your cables directly to the TV. Note: HDMI and other cable connections made to the rear-facing panel will protrude beyond the panel's slim depth.

INCLUDED IN THE BOX. A quick start guide. An electronic manual in the TV's menu. A remote control with batteries. Breakout cable adapters (one composite with stereo audio.). No printed manual is included.

OPTIMIZED PICTURE SETTINGS. Our expert TV testers recommend the following settings for the LG 65SJ8500 to get your image looking like the rated picture quality we saw in our lab. To access the picture controls find the Menu, Home, Settings, or "Gear" icon on your remote or on-screen display, and navigate to the picture settings menu where you'll see most of the controls. To find some other controls you may additionally have to enter the "advanced settings" or the "picture options" sub-menus (name may vary depending on model). Don't worry about making any "mistakes." You can always reset the picture settings to factory default if necessary. Consult your user manual for additional guidance.

PICTURE SETTINGS.

Picture Mode: Expert (Dark Room)
Contrast: 95
Brightness: 50
Gamma: BT.1886
Color: 56
Tint: R11

Sharpness: H: 0, V: 0
Color Temperature: Warm2
Backlight: 70
Color Gamut: Auto
Black Level: Low
Real Cinema: On
LED Local Dimming: High
TruMotion: User (De-Blur: 10)

All other settings should be set to "off" or zero "0". Any individual R,G, or B color subcontrols, if present, should remain at their default settings.

TV FIRMWARE. All models are evaluated using the latest firmware version available at the time of testing. The firmware version of the LG 65SJ8500 was: 03.50.90.

ABOUT CR's OPTIMIZED PICTURE SETTINGS: Our fine-tuned picture adjustments are made with the support of special test patterns and reference videos to yield best image fidelity, and a professionally calibrated reference display is used for comparison. Whether you are watching movies on Blu-ray or sports from your cable box, these settings will ensure you are seeing the programs in the best quality that the model can offer, short of a professional calibration. To optimize the image, we typically turn off (or turn down) the settings from features that can often degrade performance, including; power saving modes (which often dim the image), sharpness, noise reduction (also known as DNR, a feature that can degrade image detail), and "motion smoothing", if present (an effect that can give movies a soap-opera video-like appearance). Optimal settings for your TV may vary a bit from ours due to slight variations between similar samples, or the model's firmware version.

ABOUT ULTRA HD TESTING: We test UHD picture quality using 4K movies, videos, photos, and test patterns to confirm these displays deliver performance to this format's full potential. We check the TV's ability to reproduce 4K image detail, as well as high dynamic range (HDR) for TVs that support this capability. Image quality is tested using a 4K movie player connected to the TV's HDMI input, as well as from files stored on flash drive plugged into the TV's USB port. We also check the quality of 4K streaming from Netflix or YouTube (if the service is supported by the TV), and how well the TV can upscale HD movies to the display's higher UHD resolution while keeping artifacts such as "jaggies" along the edges of image content to a minimum. The best UHD TVs, and HDTVs, present high fidelity images that reveal the full quality of the best source content without degradation.

ABOUT CR's TV VIEWING CONDITIONS: Our picture settings are optimized for a dimmer home viewing environment. If the settings we recommend don't suit your taste or your environment, use the picture controls to achieve an image you consider "just right."

ABOUT FIRMWARE VERSION: Our test results and picture settings are valid for the version of firmware indicated. If your TV's firmware differs from the one shown you either have an older or a newer version. Manufacturers may periodically upgrade the TV's firmware to enhance operation, fix bugs, or add features. Firmware upgrades may be downloadable directly to your TV via a wired or wireless network (if internet capable), or USB port, depending on your TV's capability. You can check your TV's firmware version, or upgrade to the latest firmware by pressing the menu, or home button on your remote and navigating to the appropriate sub-menu, typically under settings. Consult the user manual or manufacturer's website if further guidance is needed.

About

The LG 65SJ8500 is a 65-inch LCD (LED) Ultra HD TV with a native resolution of 3840x2160 (2160p). It uses edge-lit LED backlighting. Rather than the basic 60Hz, it has a faster 240Hz frame rate, a feature designed to reduce motion blur.

It is Internet-enabled and can access online content, including movie streaming and other services. The LG 65SJ8500 includes an Ethernet jack allowing for a wired connection to your home network. It is also WiFi capable, so you can connect it to your home network wirelessly. It is DLNA certified, so you can view digital photos stored on a compatible computer, phone, or other mobile device also connected to your home network.

This TV has four HDMI inputs, and no component-video inputs. It also has three USB ports, which may be used to play media—photos, videos, and music—stored on a flash drive.

The LG 65SJ8500 measures 35 inches high by 57.2 inches wide by 12.3 inches deep, including its base. The panel itself is 2.3 inches thick including any protrusions, and the screen has a glossy finish.

The warranty on this model covers parts for 12 months and labor for 12 months.

Specs

Native resolution	3840x2160
Overall height (in.)	35
Overall width (in.)	57.2
Overall depth (in.)	12.3
Screen shape (aspect ratio)	16:9
Screen finish	Glossy
Digital Tuner (Off-air ATSC and Cable QAM)	Yes
Panel size without base HxWxD (in.)	32.8 x 57.2 x 2.3
Weight including base (lb.)	62.8
Warranty (months): parts/labor/in-home	12/12/Not Stated

Connections

HDMI inputs	4
Component-video	0
Component/Composite-video shared inputs	0
Composite-video	1
USB port	3
VGA input	No
Ethernet port	Yes
Digital-audio output	Optical
Headphone jack (3.5mm audio jack)	No
Other connections	None