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BRAVIA 2 II 50” class 4K HDR LED Google TV (2025)

Bullets

- The 4K Processor X1™ delivers a lifelike picture that is full of rich colors and sharp details.
- See natural and precise picture quality with a wide array of colors and dynamic contrast.
- Get access to all your favorite streaming apps in one place with Google TV™. With Google Assistant™, simply use your voice to search and ask questions.[1]
- Easily stream to your TV with support for Apple AirPlay® 2 and Google Cast™.[6,7]
- Movies are included with the SONY PICTURES CORE app.[2]
- See blur-free picture quality in fast-moving sports and action-packed movies powered by Motionflow™ XR.
- Bring back lost texture and detail and see all your content upscaled to near-4K resolution with 4K XR-Reality™ PRO.[4]
- Take your PS5® gaming to the next level with BRAVIA exclusive features – Auto HDR Tone Mapping and Auto Genre Picture Mode – that optimizes picture quality for gaming and streaming.[8]
- Game Menu puts all your gaming picture settings and exclusive assist features in one place.
- Eco Dashboard keeps all your energy efficiency settings in one place.

Features

Powerful TV processing

See lifelike picture quality in incredible 4K resolution. The powerful 4K Processor X1™ enhances the picture to deliver scenes full of rich colors and sharp details. Everything you watch is upscaled close to 4K quality with smooth and clear motion.

Beautiful 4K HDR picture

See your favorite content burst to life on screen with High Dynamic Range (HDR) contrast. Every scene is enhanced to make colors and shadows even more natural and precise, so picture quality is closer than every to real life.

Everything you stream. All on one screen.

With 700,000+ movies and TV episodes, live TV, and more available across 10,000+ apps, Google TV™ brings together your favorite entertainment from across your apps and organizes it all, just for you.[1]

Movies included with SONY PICTURES CORE

Instantly enjoy top movies with the SONY PICTURES CORE app. Your BRAVIA TV comes with movie credits included so you can immediately watch some of the latest releases. You’re also subscribed to a regularly updated selection of new and classic movies to stream anytime.[2]

Smooth and clear, even in fast scenes

TV that keeps up with real life. Motionflow™ XR keeps movement smooth and clear, allowing fast moving action sequences in sports and movies to be seen with lifelike clarity.

Upscale everything you watch

See glorious 4K picture quality, rich with real-world detail and texture. Even content filmed in HD is upscaled close to 4K resolution by 4K X-Reality™ PRO.[4]

Do more on your TV with your voice

Your TV is more helpful than ever. Ask Google to find movies, stream apps, play music, and control the TV – all with your voice. Even get answers, control smart home devices, and more. Press the Google Assistant™ button on the remote to get started.[1]

Exclusive features for PlayStation® 5

Get detailed, responsive game play with BRAVIA TV exclusive features for PlayStation® 5. Auto HDR Tone Mapping instantly optimizes HDR settings during your PS5® initial setup for detailed, high-contrast scenes. Auto Genre Picture Mode automatically switches the TV to Game Mode when gaming to ensure reduced input lag, and back to Standard Mode when streaming for optimized picture quality.[8]

All your game settings in one place

With Game Menu, quickly manage your gaming picture settings and exclusive assist features in a single convenient interface. Get access to features like Black Equalizer to reveal details in even the darkest shadows, apply a Crosshair overlay so you always have your enemy in your sights, and use the Screen Size feature to shrink your screen for precision gaming on your big TV.

All your favorite streaming apps in one place

BRAVIA Google TVs™ give you access to all your favorite streaming apps in an easy-to-navigate interface, including Netflix, Prime Video, Disney+, YouTube, Apple TV, Crunchyroll, and many more.[1]

Family-friendly smart TV

Kids Profiles give kids their very own Google TV™ experience with apps and entertainment designed just for them. Kids can pick from a selection of playful avatars and themes, and parents can restrict what streaming services are shown, limit watch time, and set a bedtime.[1,5]

Effortlessly stream to your TV

Easily stream movies, shows, photos, and more from your Apple® device with AirPlay® 2 or Android™ device with Google Cast™.[6,7]

All your energy-saving settings in one place

With Eco Dashboard, energy saving settings are centrally managed so it’s easy to make informed, eco-conscious decisions. You can customize energy saving settings for your TV usage, viewing environment, and the content you are watching.

Specification

Accessories	
What's in the Box	Voice Remote Control (Supply): RMF-TX820U, Batteries: LR03, AC Power Cord Spec: Bundle (C7L) (US) (2pin) (flat blades), Operating Instructions: EN,FR,ES, Quick Setup Guide / Supplement CUE (GA): EN,FR,ES, Table Top Stand: Separate (Assembly required)
Optional Accessories	Wallmount Bracket: Sony original Wall-Mount Bracket* * Please refer this compatibility list: https://www.sony.net/wall-mount-bracket
Built-in Tuner	
TV System (Analog)	M
Tuner Channel Coverage (Analog)	VHF: 2-13/UHF: 14-69/CATV: 1-135
Tuner Channel Coverage (Digital Terrestrial)	VHF: 2-13/UHF: 14-69
Tv System (Digital Cable)	Clear QAM
Tuner Channel Coverage (Digital Cable)	CATV: 1-135
TV System (Digital Sat)	-
Tuner Channel Coverage (Digital Sat)	-
Number of Tuners (Terrestrial/Cable)	1(Digital/Analog)
Number of Tuners (Sat)	-
CI+	-

TV System	
TV System (Digital Terrestrial)	ATSC
Operating System	Android 12
Audio Features	
HDMI Audio Return Channel (ARC)	Yes (eARC/ARC)
Connectivity	
Smartphone Connectivity - Screen Mirroring (Miracast™)	-
Smartphone Connectivity - Video & TV SideView (iOS/Android)	-
Smartphone Connectivity - Photo Sharing Plus / Photo Share	-
USB HDD Recording	-
USB Playback Codecs	MPEG1:MPEG1/MPEG2 PS:MPEG2/MPEG2 TS(HDV,AVCHD):MPEG2,MPEG4,AVC,AVS,HEVC/MP4(XAVC S):AVC,MPEG4,HEVC,AV1,VP8,WMV,MotionJpeg,/AVI:MotionJpeg,HEVC,MPEG4,WMV,AVC,VP8/ASF(WMV)/MOV:AVC,HEVC,MPEG4,WMV/MKV:AVC,MPEG4,VP8,HEVC,VP9,WMV,AV1,3GPP:MPEG4,AVC,HEVC,MPEG2,WMV,VP8,AV1/MP3/ASF(WMA)/LPCM/WAV/MP4AAC/FLAC/JPEG/WEBM:AV1,VP9/AC4/ogg/AAC
HDMI-CEC	Yes
USB Drive Format Support	Yes (Supported File System: FAT16/FAT32/NTFS)
HDCP	HDCP2.3(for HDMI1/2/3/4)
IF (Satellite) Input(s)	-
Component Video (Y/Pb/Pr) Input(s)	-
Audio / Headphone Output(s)	-
Network Features	
Wi-Fi Standard	Wi-Fi 6E
Convenience Features	
Chromecast built-in	Yes
Inputs and Outputs	
Bluetooth profile support	Version 5.3,HID/HOGP/SPP/A2DP/AVRCP
RF (Terrestrial/Cable) Connection Input(s)	1(Side)
Composite Video Input(s)	-
HDMI inputs total	4(4Side)
Digital Audio Output(s)	1(Side)
USB ports	2(Side)
Ethernet inputs	1(Side)
RS-232C Input(s)	1(Side)* * Only for the United States/Canada/Mexico/Dominican Republic models.
Design	
Frame Color	Black
Stand Design	Slim T Shape Stand
Dimensions and Weight	

Screen Size (inch, measured diagonally)	50" (49.5")
Dimension of TV with Floor Stand (W x H x D)	-
Dimension of Package Carton (W x H x D)	1207 x 758 x 149 mm / 47 5/8 x 29 7/8 x 5 7/8 inch
Weight of TV with Floor Stand	-
Weight of Package Carton (Gross)	14 kg / 30.9lb.
Regulation and Standard Compliance	
VESA® Hole Pitch (W x H)	200 x 200 mm / 7 7/8 x 7 7/8 inch
Measurements (Approx.)	
Dimension of TV without Stand (W x H x D)	1111 x 655 x 80 mm / 43 3/4 x 25 7/8 x 3 1/4 inch
Weights (Approx.)	
Weight of TV without Stand	9.8 kg / 21.6 lb
Model Year	
Model Year	2025
Display Features	
Display type	LCD
Picture (Panel)	
Backlight Dimming Type	Frame Dimming
Backlight Type	Direct LED
Display Specs	
Display resolution (H x V, pixels)	3840 x 2160
Picture (Processing)	
Picture Modes	Vivid, Standard, Cinema, Game, Graphics, Photo, Professional
Color Enhancement	Yes
Motion Enhancer (Native Hz)	60Hz
Contrast Enhancement	Yes
HDMI Video Input Signal Format	4096x2160p(24,60Hz), 3840x2160p(24,30,60Hz), 1080p(24,30,60Hz), 1080i(60Hz), 720p(24,30,60Hz), 480p, 480i * * Only for the United States/Canada/Mexico models. For other models, 4096x2160p(24,50,60Hz), 3840x2160p(24,25,30,50,60Hz), 1080p(24,30,50,60Hz), 1080i(50,60Hz), 720p(24,30,50,60Hz), 576p, 576i 480p, 480i.
HDMI PC Input Signal Format	640x480(31.5kHz,60Hz), 800x600(37.9kHz,60Hz), 1024x768(48.4kHz,60Hz), 1280x1024(64.0kHz,60Hz), 1152x864(67.5kHz,75Hz), 1600x900(55.9kHz,60Hz), 1680x1050(65.3kHz,60Hz), 1920x1080(67.5kHz,60Hz), 3840x2160p(30Hz), 3840x2160p(60Hz, 8bits)
Video Features	
Video Processing	4K X-Reality PRO
Motion enhancer	Motionflow XR 240 (Native 60Hz)
4K Processor	4K Processor X1
HDR (High Dynamic Range) compatiblity	Yes (HDR10, HLG)
Power and Energy Saving	

Peak Luminance Ratio for EU	-
Mercury Content (mg)	-
Presence of Lead	-
Power Consumption (On Mode) for Energy Star	-
Power Consumption (Standby Mode) for Energy Star	-
Energy Star® Compliant	-
Dynamic Backlight Control	Yes
Power Saving Mode / Back Light Off Mode	Yes
Power Requirements (voltage/frequency)	60Hz for UL cUL 50/60Hz for other
Power Consumption (In Operation)	114 W
Power Consumption (In Standby)	0.5 W
Software	
On-board Storage (GB)	16GB
Internet Browser	-
Electronic Program Guide (EPG)	Yes
Text Input Language	ARA / ENG / FIN / FRA / GER / HEB / HIN / ITA / JPN / KOR / NOR / PER / POR / RUS / SPA / THA / VIE / zh_CN / zh_TW / zh_HK
Application Store	Yes (Google Play Store)
Sleep Timer	Yes
On/Off Timer	Yes
Display Language	AFR,ARA,BUL,BEN,BOS,CAT,CZE,DAN,DEU,GRE,ENG,SPA,EST,PER,FIN,FRA,GUJ ,HIN,HRV,HUN,IND,ITA,HEB,KAZ,KAN,LIT,LAV,MAC,MAL,MAR,MAY,NOB,NLD,PAN, POL,POR,RUM,RUS,SOL,SLV,ALB,SRP,SWE, zh_CN, zh_TW, zh_HK , ZUL, SWA, VIE, TAM ,TEL, THA, TUR,UKR, TGL
Closed Captions (Analog)	Yes
Teletext	-
Sound (Processing)	
DTS Audio Format Support	DTS Digital Surround, DTS Express, DTS-HD Master Audio, DTS-HD High Resolution Audio, DTS:X
Sound Modes	-
Simulated Surround Sound	-
Dolby Audio Format Support	Dolby Audio, Dolby Atmos
Audio Specs	
Speaker Type	Open Baffle Speaker
General Features	
SONY PICTURES CORE	5 credits/12 months

1. User must accept Google Terms of Service (http://www.google.com/policies/terms/), Google Play Terms of Service (https://play.google.com/intl/en-US_us/about/play-terms/index.html), and Privacy Policy (http://www.google.com/policies/privacy/) to use this product. User consents to a mandatory software update at set-up and such other additional updates that may be required in the future by Google and/or Sony. User must connect to a Google Account to use certain advertised features, including voice to activate linked apps, and install certain apps and operating software during setup. Use of this product without connecting to a Google Account allows only basic features and certain apps. Features and specifications are subject to change without notice. Wireless connectivity requires 802.11 home network (802.11n recommended). Network services, content, operating system, and software of this product may be subject to separate or third-party

terms and conditions and changed, interrupted, or discontinued at any time and may require fees, registration, and credit card information. Apps must be compatible with this product. App availability varies by region and device. Google TV is the name of this device's software experience and a trademark of Google LLC. Google, Google Meet, YouTube, YouTube Music, and Chromecast built-in are trademarks of Google LLC.

2. Purchase an eligible TV and register for SONY PICTURES CORE™ by February 23, 2028 to be eligible for promotion offers. Available movies subject to change. Terms and conditions apply, for full details see https://electronics.sony.com/sony-pictures-core. Network services, content, and operating system and software of product may be subject to separate or third-party terms and conditions and changed, interrupted, or discontinued at any time and may require fees, registration, and credit card information.
3. Dolby Atmos and DTS:X content compatible with streaming services or compatible content device connected via HDMI input (sold separately).
4. Upscaled, simulated and enhanced 4K images will vary based on source content.
5. This feature is for users of streaming apps. TV broadcasts cannot be accessed when using Kids Profile. Some TV functions may not be available while using Kids Profile, such as changing settings or inputs.
6. This Sony TV is compatible with AirPlay 2 and HomeKit. iOS 12.2 or later or macOS 10.14.4 or later is required. Apple ID account required. Subscriptions may be required to access certain content. Apple, the Apple logo, Apple TV, Apple Home, AirPlay and Siri are trademarks of Apple Inc., registered in the U.S. and other countries.
7. Google Cast compatibility dependent on app.
8. To activate Auto HDR Tone Mapping, must enable feature when pairing PS5 to the TV for the first time; or will need to perform factory reset on PS5 and enable the feature during initial setup. Auto Genre Picture Mode works when Auto Picture Mode on the TV is set to ON. Both features are supported only when PS5 and TV are directly connected, or via compatible Sony soundbar. Applicable TV models: Z9K, A95K, A95L, A80K, A80L, XR80, XR80M2, X95K, X95L, XR90, X93L, XR70, XR50, X90K, X90L, X85K, S30, S20M2, X80K
9. Actual look may differ depending on TV size.
10. Amazon Alexa enabled devices (sold separately) compatible with Sony TVs powered by Google TV™. Amazon account required. Subscriptions may be required to access certain content. Amazon, Prime Video, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.
11. BRAVIA Connect app must be installed on a smartphone. The smartphone and the product must be connected to the same home network. Download app at Google Play and the App Store. Network services, content, and operating system and software subject to terms and conditions and may be changed, interrupted or discontinued at any time and may require fees, registration, and credit card information. Feature availability of the integrated remote with TVs and home theater products may vary depending on home theater product.
12. PS5® system, DualSense controller, and vertical stand sold separately.
13. A PS4™ or PS5® console is required to stream your games to other devices. PS Remote Play can be used with a mobile data connection or Wi-Fi. Broadband internet with at least 5Mbps is required. For a better PS Remote Play experience, a high-speed connection of at least 15Mbps is recommended using either Wi-Fi or mobile data connection. Titles that require a VR headset (PlayStation®VR or PlayStation®VR2) or additional peripherals (other than a DUALSHOCK®4, DualSense™, or DualSense Edge™ wireless controller) are not compatible with PS Remote Play.
14. Screen images simulated. For illustrative purposes only.
15. Depending on the TV app used, or the Bluetooth audio device connected, some app operations performed from the Bluetooth audio device may not work. In such cases, use the TV remote control to operate the app.
16. Venom: The Last Dance © & ™ 2025 MARVEL
17. ©2024 Sony Interactive Entertainment Inc. Developed by Team Asobi. Astro Bot is a trademark of Sony Interactive Entertainment LLC.
18. Gran Turismo 7 ©2023 Sony Interactive Entertainment Inc. Developed by Polyphony Digital Inc. “Polyphony Digital logo”, “Gran Turismo” and “GT” are registered trademarks of Sony Interactive Entertainment Inc. Manufacturers, cars, names, brands and associated imagery featured in this game in some cases include trademarks and/or copyrighted materials of their respective owners. Any depiction or recreation of real world locations, entities, businesses, or organizations is not intended to be or imply any sponsorship or endorsement of this game by such party or parties. All rights reserved.
19. Compared to FY18 model (55X9000F) and BRAVIA 2 II 55”. BRAVIA 2 II reduces packaging size by 15%, total weight by 23%, and CO2 emissions by 12%. The ratio may vary by model and size.
20. IMAX Enhanced content enables full IMAX Enhanced experience with compatible streaming services such as SONY PICTURES CORE (formerly BRAVIA CORE), or compatible content device connected via HDMI input (sold separately).
21. Game title supporting VRR and/or 4K/120fps required. VRR results may vary depending on the game you're playing. If enabling VR results in any unexpected visual effects, you can turn it off at any time.
22. Clean exterior surfaces gently with a dry, clean cloth.

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