

FWD-50X80L

50" BRAVIA 4K HDR Display with
Google TV, including 3 years
PrimeSupport



Overview

Your everyday entertainment, upgraded. This is the Sony BRAVIA X80L TV.

Featuring our ultra-wide Triluminos Pro colour palette, you'll see shades and hues on the X80L that you won't find on other displays.

Our X1 Processor is the power behind these bright, colourful pictures, analysing content in real-time, and enhancing everything displayed on screen.

The sound is delivered by our unique X-Balanced Speaker Unit for a thrilling, high-quality audio experience, with powerful bass.

Minimalist and timeless, the TV has been designed to suit any interior with a Flush Surface Bezel that is discreet and sleek, keeping your focus on the pictures on screen.

You'll access 700,000+ movies and TV episodes from across your streaming services on this Google TV, and everything is organised into topics and genres to suit your personal interests.

Our new dedicated Gaming Menu allows you to optimise your gaming performance - quickly. It includes Motion Blur Reduction, a Black Equaliser, Crosshair (available in six different styles), and Custom Screen, that allows you to maximise your view when you

need to see more detail in every corner of a game and minimise it when you need your eyes to focus on a target.

You can even save up to 32% more energy with our new BRAVIA range! Our new ECO Dashboard puts all of your eco settings in one place that's intuitive and user-friendly, so you can save energy without hassle or jargon.*

PrimeSupport: Our professional service package

You enjoy all the fantastic picture & sound quality of our consumer TV range, combined with the added peace of mind of our PrimeSupport Professional Service package and after sales support which includes:

- Access to our Elite helpdesk for integrator-focused, knowledgeable technical support
- Advanced Exchange of any faulty products, with technical assistance for swap & install on premise, wherever possible
- 3 years standard cover, with option to extend by additional 2 years

*Default setting versus most energy efficient setting using ECO Dashboard. Consumption difference measured by 85X95L, percentage may differ by model

Features

Colours that bring the real world home with TRILUMINOS PRO

See billions of colours on screen, just as they are in the real world, thanks to our 4K HDR Processor X1™ and a wide colour panel.

4K HDR Processor X1

Sony's powerful 4K HDR Processor X1 enhances colour, clarity and contrast for outstandingly lifelike 4K HDR picture quality.

A clearer picture, whatever you watch

Even your favourite content in 2K and HD are upscaled close to 4K quality. Our 4K X-Reality™ PRO uses a unique 4K database to recreate missing data.¹

See everything, even in fast action scenes

Motionflow™ XR creates and inserts extra frames between the originals. With more images seen every second, action is smoother and sharper.

Brightness optimised, tuned to your room

A light sensor optimises brightness to room conditions, boosting brightness in light rooms and reducing it in dark ones so you always get an enhanced picture.

Great sound with more bass

Complementing the TVs slimness, our uniquely-shaped X-Balanced Speaker™ drives movies and music with clear sound and rich bass.

Room-filling Dolby Atmos® sound

Hear movie soundtracks and music playlists with more depth, clarity and detail. Dolby Atmos® draws you in deeper for seriously immersive spatial sound.²

What you want to watch all in one place

Browse 700,000+ movies and TV episodes from across your streaming services, all in one place and organised into topics and genres based on what interests you.³

Just say what you want to see - Hands-free Voice Search

Find favourites faster with voice search. Jump right to a show or movie just by saying it or try browsing with a voice search like “find action movies”. Just say “Ok Google” to get started

Auto HDR Tone Mapping

Auto HDR Tone Mapping instantly optimises HDR settings during

your PS5™ initial setup. Even in dark shadow and bright highlights, you'll see fine details and true colours

Auto Genre Picture Mode

BRAVIA™ automatically switches into Game Mode with PS5™ to minimise lag and maximise responsiveness. It switches back to Standard Mode when watching movies for more expressive scenes.⁴

Game Menu - One place for all your game settings

Never has it been easier to fine-tune your game status, settings and assist functions. All the essentials are at your fingertips for ease and comfort.⁵

Flush Surface.

Enthralling viewing.

Our unique Flush Surface design gives the TV a clean, contemporary look. This is beauty that doesn't get in the way of your viewing.⁶

All your eco in one place

The Eco Dashboard keeps all eco-related settings in one place, making it easy to change them individually or in one go.

Greater peace of Mind

There's the added reassurance of our 3 Years PrimeSupport Professional service package as standard, with access to our EU-wide Elite Help Desk for technical support & advanced product exchange handled by local partner, on premise where possible. You can also choose to extend your support for an additional 2 years.

Notes

¹4K: 3,840 x 2,160 pixels. Upscaled, simulated and enhanced 4K images will vary based on source content.

²Dolby Vision and/or Atmos content compatible streaming services or compatible content device connected via HDMI input

(sold separately) required.

³Some apps, contents and/or features may not be available in all countries. Subject to availability.

User must connect to a Google account to use certain advertised features.

Google TV is the name of this device's software experience and a trademark of Google LLC. Google, YouTube, Chromecast built-in, Google Meet, and other marks are trademarks of Google LLC.

⁴This function works when Auto Picture Mode is ON

⁵Some features will be available via a future firmware update. Available functions may vary depending on model, region, or country.

⁶Actual look may differ depending on TV size.

Specifications

Common Item

Model Year	2023
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TV System

TV System (Analog)	B/G,D/K
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Tuner Channel Coverage (Analog)	45.25MHz-863.25MHz(Depend on country selection)
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TV System (Digital Terrestrial)	DVB-T/T2
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Tuner Channel	VHF/UHF(Depend on country)
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Coverage (Digital Terrestrial)	selection)
TV System (Digital Cable)	DVB-C
Tuner Channel Coverage (Digital Cable)	VHF/UHF/cable(Depend on country selection)
TV System (Digital Sat)	DVB-S/S2
Tuner Channel Coverage (Digital Sat)	Intermediate Frequency 950-2150MHz
Number of Tuners (Terrestrial/Cable)	1(Digital/Analog)
Number of Tuners (Sat)	1
Color System	PAL/SECAM/NTSC3.58(Video only)/NTSC4.43(Video only)
CI+	Yes
Color Space	sRGB/BT709,BT2020,AdobeRGB,DCI
Operating System	Android 10
On-board Storage (GB)	32GB

Display Features

X-Anti Reflection	-
Display type	LCD
X-Wide Angle	-
Pixel Contrast Booster	-
Rich Color Enhancer	-
Backlight dimming type	Frame Dimming

Display Specs

Screen Size (inch, measured diagonally)	50"(49.5")
Screen Size for WEB(diagonal, cm, integer or 1st decimal)	126 cm
Backlight type	Direct LED
Display resolution (H x V, pixels)	3840 x 2160
Viewing Angle (Right/Left)	178(89/89) degree

Viewing Angle (Up/Down)	178(89/89) degree
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Display Resolution	QFHD
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Aspect Ratio	16:9
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Video Features

XR Backlight Master Drive	-
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Object-based Super Resolution	-
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Peak Luminance	-
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TRILUMINOS	TRILUMINOS PRO
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HDR Remaster	Object-based HDR remaster
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Smoothing	-
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Features for PlayStation®5 Auto HDR Tone Mapping	Yes
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Features for PlayStation®5 Auto Genre	Yes
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Picture Mode	
XR Clear Image	-
Precision Color Mapping	- (Integrated into TRILUMINOS PRO)
LED Motion Mode	-
Face Area Detection	-
Mastered in 4K	-
Picture modes	Vivid, Standard, Cinema, Game, Graphics, Photo, Custom, Vision (Vivid/Bright/Dark)
Auto Wide	Yes
Wide Mode	Wide zoom/Normal/Full/Zoom/14:9, Normal/Full/PC
4:3 Default	Yes
Video Processing	4K X-Reality PRO
Motion enhancer	Motionflow XR 200/240Hz (Native 50/60Hz), Auto motion
Blinking Type	Frame Blinking
24p True Cinema	Yes

Live Colour™ Technology	Yes
PhotoTV HD / BRAVIA 照片秀 for China	Yes
CineMotion/Film Mode/Cinema Drive	Yes
4K Processor	4K HDR Processor X1
HDR (High Dynamic Range) compatibility	Yes(HDR10,HLG,Dolby Vision)
Panel Refresh Rate (Native Hertz)	50/60Hz
Dual database processing	-
Dynamic Contrast Enhancer	Yes

Audio Specs

Channel	2ch
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Audio Power Output	10W + 10W
Speaker Position	Down Firing
Bass/Treble/Balance	Balance
Speaker Type	Bass Reflex Speaker
Speaker Configuration	Full Range (Bass Reflex) x 2
DSEE/DSEE-HX	-
Digital audio out (Optical) format	Two channel linear PCM: 48kHz 16bits, Dolby Audio, DTS(Pass through mode only)

Audio Features

Acoustic Center Sync	-
Ready for 360 Spatial Sound Personalizer	-
Simultaneous Sound Output with TV Speaker	-
Vertical Surround Engine	-
Acoustic Auto Calibration	Room Compensation

Speaker Type-2	X-Balanced Speaker
Clear Phase	Yes
Clear Audio+	-
S-Master	S-Master Digital Amplifier
Auto Surround	Yes
DTS audio format support	DTS Digital Surround
Sound modes	-
Simulated surround sound	-
Dolby audio format support	Dolby Audio, Dolby Atmos
Voice Zoom	-
HDMI Audio Return Channel(ARC)	Yes (eARC/ARC)
Advanced Auto Volume	Yes
Auto Mute (on no signal)	Yes
FM Radio	-

Audio Out	-
Headphone/Speaker Link	-
HDMI input Audio format	5.1 channel linear PCM: 32/44.1/48/88.2/96/176.4/192kHz 16/20/24bits, Dolby Audio, Dolby Atmos, DTS
ARC output format	Two channel linear PCM: 48kHz 16bits, Dolby Audio, Dolby Atmos, DTS(Pass through mode only)

Network Features

Control Menu	Yes
ECO Dashboard	Yes
USB Tethering	-
Apple AirPlay	Yes
Apple HomeKit	Yes
Home Network Feature	Home Network Client, Home Network Render
Wi-Fi Direct	Yes
Wi-Fi Certified	Yes

Screen mirroring(Miracast™)	Yes (only for B2B purpose)
Video & TV SideView (iOS/Android)	Yes
Related Info	Yes (UK, Ireland, Netherlands, Belgium, Luxembourg)
Wi-Fi Standard	a/b/g/n/ac
Wi-Fi Frequency	2.4GHz/5GHz(for Wi-Fi Direct: 2.4GHz Only)
Photo Sharing Plus / Photo Share	-
Internet Browser	Yes
Codec for Home Network	MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS(H.261):AVC,MPEG4,HEVC/AVI:Xvid,MotionJpeg/ASF (Windows Mail only)
Wireless LAN	Integrated

Convenience Features

Function by Camera	-
UVC/UAC support	Yes
Multi-View	-

Color Inversion	-
TalkBack	Yes
Variable Refresh Rate (VRR)	-
Auto Low Latency Mode (ALLM)	Yes (for HDMI3/4)
Features specified in HDMI2.1	eARC/ALLM
Built-in Mic switch	Yes(Center)
X-Protection PRO	Y (with Lightning, Surge, Humidity Protection)
Electronic Program Guide (EPG)	Yes
USB HDD Recording	Yes(1Rec)(Except Italy)
Twin Picture	-
Photo Frame	

Mode	-
USB playback codecs	MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS(HDV,AVC)
Built-in Mic	Yes
Screen Reader	Yes
Audio Description	Yes
Text Magnification	Yes
Accessibility Shortcut	Yes
Switch Access	Yes
Auto Picture Mode	Yes
Text Input Language	ARA / BUL / CAT / HRV / CES / DAN / DUT / ENG / ES
Chromecast built-in	Yes

Voice Search	Yes*1 *1 Hands Free feature(Built-in Mic) availability depends on model
Application Store	Yes (Google Play Store)
BRAVIA Sync (including HDMI-CEC)	Yes
Control for HDMI (HDMI CEC)	-
Scene Select	-
i-Manual	Yes
Parental Control	Yes
Channel Block (with password)	Digital
Show/Hide Channels	-
On Screen Clock	Yes
Sleep Timer	Yes

On/Off Timer Yes

USB drive

format

Yes (Supported File System: FAT16/FAT32/exFAT/NTFS)

support

Display

Language

AFR,AMH,ARA,ASM,AZE,BEL,BUL,BEN,BOS,CAT,CZE,D

Auto Shut-off -

Sensing Features

Sensor

Light

General Features

Smart TV

Google TV

BRAVIA CORE

Calibrated mode

-

Auto Calibration with
CalMAN

Yes

Netflix Calibrated
mode

-

Tencent Calibrated
mode

-

IMAX Certified Model	-
Closed Captions (Analog)	-
Closed Captions (Digital)	Subtitle
Demo Mode	Yes(e-POP only)
Emergency Warning System	-
Hotel Mode Menu	-

Broadcast Features

Teletext	Yes
Teletext number of pages	1000 pages

Customizing Capability

RS-232C Control	-
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Design Features

Style	-
Stand Position	-

Stand Color	Black
Bezel Design	Flush Surface
Cable Management	Yes
Frame color	Black
Stand Design	Slim T shape Wedged Stand
Illumination LED	-
Stand Swivel	-
Stand Tilt	-

Inputs and Outputs

Media Connect	-
HDMI Signal	4096x2160p(24,50,60Hz), 3840x2160p(24,25,30,50,60Hz), 1080p(24,30,50,60Hz), 1080i(50,60Hz), 720p(24,30,50,60Hz), 576p, 480p
HDCP	HDCP2.3(for HDMI1/2/3/4)
Bluetooth profile support	Version 4.2,HID/HOGP/SPP/A2DP/AVRCP
4K 60P High-Quality formats	HDMI IN1, IN2, IN3, IN4 ports for 4K(up to 18Gbps) signal

AC Power Input	C8 INLET(REAR)
RF (Terrestrial/Cable) Connection Input(s)	1(Side)
IF (Satellite) Input(s)	1(Side)
Composite Video Input(s)	1(Side, Mini jack)
Component Video (Y/Pb/Pr) Input(s)	-
HDMI inputs total	4(4Side)
PC In (D-Sub) + Audio In (Stereo Mini)	-
Analog Audio Input(s) (Total)	1(Side Analog Conversion)
Digital Audio Output(s)	1(Side)
Audio Output(s)	-
Headphone Output(s)	-
Subwoofer Output(s)	-
USB ports	2 (Side)
Ethernet inputs	1(Side)
RS-232C Input(s)	-

PCMCIA Slot(s)	1(Top)
HDMI PC Input 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)

Eco and Energy saving

Power Requirements (voltage)	220 V - 240 V AC
Power Requirements (frequency)	50 Hz
Power Consumption (Home Mode) for WEB	-
Power Consumption (in Standby)	0.50 W
Power consumption(Networked Standby)	2.00W(Wi-Fi) / 2.00W(LAN) / 0.50W(CEC)

SORPLAS	-
EEA SDR RANK	G
ECO Friendly	Yes
On Mode Power Consumption (Lot 5)	73 kWh/1000h
ErP Rank For EU	-
Peak luminance ratio for EU	-
Mercury content(mg)	0.0
Lead Content	Yes
Dynamic Backlight Control	Yes
Power Saving Mode / Back Light Off Mode	Yes

Regulation and Standard Compliance

VESA® Hole Spacing Compatible	Yes
VESA® Hole Pitch(W x H)	20.0 x 20.0 cm

Measurements (Approx.)

Dimension of TV
without Stand with
Camera (W x H x D) -

TV with Stand (Front
position) (W x H x D) -
*Measured incl.
camera if bundled

TV with Stand (Back
position) (W x H x D) -
*Measured incl.
camera if bundled

Stand Width (Front
position style) -

Stand Width (Back
position style) -

Dimension of TV
without Stand (W x H x D) Approx. 111.9 x 64.9 x 7.0 cm

TV with Stand
(Standard position) (W x H x D) Approx. 111.9 x 71.6 x 28.4 cm

TV with Stand (Narrow

position) (W x H x D)	-
TV with Stand (Soundbar position) (W x H x D)	-
Dimension of TV with Floor Stand (W x H x D)	-
Dimension of Package Carton (W x H x D)	Approx. 122.5 x 78.2 x 14.1 cm
Stand width (Standard position)	Approx. 75.8 cm
Stand width (Narrow position)	-
Stand width (Soundbar position)	-
Floor Stand Width	-
AC Power Adapter size(W x H x D)	-
DC Cable length of AC adaptor(mm)	-
AC Cable Length	1500mm

Weights (Approx.)

TV with Stand (Front position style/Back position style)	-
Weight of TV without Stand	Approx. 12.4 kg
TV with Stand (Standard position)	Approx. 13.1 kg
TV with Stand (Narrow position)	-
TV with Stand (Soundbar position)	-
Weight of TV with Floor Stand	-
Weight of Package Carton(Gross)	Approx. 18 kg

Carton Spec

Max Qty of carton stacking (vertical)	6
Max Qty of carton stacking (horizontal) *only for Shop Front	N/A

Supplied Accessories

Camera Unit (Bundle)	-
Voice Remote Control (Supply)	RMF-TX810U
Remote Control	RMT-TX450E
AC Plug Convertor	-
Wall-Mount Bracket	-
Android TV Setup Guide	-
Batteries	LR03+R03
Floor Stand (Supply)	-
AC Power Adaptor	-

AC Power Cord Spec Bundle (C7L) (UK) (3pin) (flat blades)

IR Blaster -

Support Belt -

Operating Instructions EN,FR,ES,NL,DE,PT,IT,SE,DK,FI,NO,PL,CZ,SK,HU,RO,BG

Quick Setup Guide / Supplement CUE (GA) EN,FR,ES,NL,DE,PT,IT,DK,NO,SE,FI,PL,CZ,SK,HU,RO,BG

Table Top Stand Separate (Assembly required)

Optional Accessories

Camera Unit (option) CMU-BC1

Floor Stand (Option) -

Wallmount Bracket SU-WL450(Terminal access limitation, refer to SU-WL450 product page)

PrimeSupport

Included
PrimeSupport

3 Years with advanced exchange
handled by local partner, on
premise where possible.
Optional +2 years extension.

Gallery

