SONY

KD50X85J
X85J 4K HDR LED with Smart Google TV (2021)

Smart, powerful, and beautiful, the X85J is designed for all your favorite content. Powered by the X1 4K HDR Processor, super-bright 4K HDR pictures come to life with vivid color and realistic contrast. With enhanced Motionflow technology and Google TV, all available in a wide range of sizes, your favorite content just found a new home.

Bullets

- 4K HDR PROCESSOR X1™ – Powerful TV processing that delivers a picture that is smooth and clear, full of rich colours and detailed contrast.
- TRILUMINOS PRO™ – Reproduces more colours than a conventional TV resulting in picture quality that is natural and precise, and closer than ever to real life.
- GOOGLE TV™ – See 700,000+ movies and TV episodes, plus live TV, all in one place. Google TV brings your favorite content from across your apps and subscriptions and organizes them just for you. Watch content from Netflix, Amazon Prime Video, Disney+, YouTube, the Apple TV app, and many more.[1]
- MOTIONFLOW XR™ – On-screen motion stays smooth and clear, allowing fast moving sequences in sports, action movies, and games to be seen with lifelike clarity.
- 4K X-REALITY PRO™ – Our unique 4K database upscales all the HD content you love to near-4K resolution bringing back real-world detail and texture.[3]
- HIGH DYNAMIC RANGE (HDR) & DOLBY Vision™ – Enjoy immersive and engaging cinematic content as the creator intended with HDR4 and Dolby Vision5.
- GOOGLE ASSISTANT – Use your voice to easily find your favourite movies, shows, and music. Get answers on screen, control smart home devices, and more.[1]
- APPLE AIRPLAY – Works with AirPlay 2 to easily stream content from your Apple device. [6]
- ULTRA-SLIM WALL MOUNT COMPATIBLE – Hang your TV like a work of art with the optional SU-WL855 ultra-slim wall-mount bracket available for 55" class, 65" class, and 75" class X85J series TVs.[7]

Features

Enjoy your favourite content with rich colours and detailed contrast

The 4K HDR Processor X1™ powers the X85J TV to deliver a picture that is full of rich colours and detailed contrast. Complimented by a multitude of advanced features, such as TRILUMINOS™ Pro providing a wider spectrum of colour, Motionflow XR™ for smooth and clear action, and 4K X-Reality PRO™ which enhances anything you watch to near-4K quality. Enjoy your favourite content just as the creator's intended, powered by the 4K HDR Processor X1.

Advanced colour and gradation

By widening the colour spectrum, TRILUMINOS™ Pro, powered by the 4K HDR Processor X1™,

reproduces more colours than a conventional television. It analyzes and processes data in every image to make colours even more natural and precise, so picture quality is closer than ever to real life. See exactly what the creator intended with the advanced colour and gradation of TRILUMINOS Pro.

The entertainment you love. With help from Google.

See 700,000+ movies and TV episodes, plus live TV, all in one place. Google TV™ brings your favorite content from across your apps and subscriptions and organizes them just for you. Searching is easy – just ask Google. Press the Google Assistant button on your remote and try saying "find action movies" to search across your favorite apps.[1]

Smooth and clear, even in fast scenes

TV that keeps up with real life. Motionflow XR™ refresh rate technology 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 pictures, rich with real-world detail and texture, powered by our 4K HDR Processor X1. Even content filmed in Full HD are upscaled close to 4K resolution by 4K X-Reality™ PRO using a unique 4K database.[3]

Dazzling detail and colour with HDR and Dolby Vision™

High Dynamic Range (HDR)[4] picture is the way TV was always meant to be watched. Ultra-high resolution and HDR video content combine to bring dazzling detail, colour, and contrast to everything you watch, while keeping a far wider range of brightness. Dolby Vision™ brings scenes to life with striking highlights, deeper darks, and vibrant colours.[5] Sony TVs deliver picture-perfect reality, creating an immersive and engaging cinematic experience.

Watch what you love, control it with your voice

Your TV is now more helpful than ever. Use your voice to find movies, stream apps, play music, and control the TV. Ask Google to find a specific title, search by genre, or get personalized recommendations on what to watch by saying, "what should I watch?" Even get answers on screen, control smart home devices, see security cameras, and more. Press the Google Assistant button on the remote to get started.[1]

All your favourite streaming apps in one place

Sony TVs with Google TV give you access to all your favourite streaming apps in one place. Including Netflix, Amazon Prime Video, Disney+, YouTube, the Apple TV app, and many more. Get access to all your favourite movies and TV shows in a simple, easy-to-navigate interface and use Google Assistant to quickly find new content to watch.[1]

Works with AirPlay 2

With Apple AirPlay 2, you can share pictures, video, or audio to your television right from your iPhone, iPad, or Mac. Watch movies and shows from your favorite apps and the Apple TV app, or even from Safari. Share your photos with everyone in the room.[5]

Mount your Sony TV like a work of art

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Make the most of your living space. The optional SU-WL855 ultra slim wall-mount bracket is designed to hang select Sony BRAVIA™ OLED and LED TVs flush to the wall, just like any other work of art. Pull out your TV and swivel it left to right to adjust the screen angle for optimal viewing.[7] *(Available for 55" class, 65" class, 75" class X85J series TVs)*

Specification

Audio Features	
ARC output format	Two channel linear PCM: 48kHz 16bits, Dolby Audio, Dolby Atmos, DTS
Acoustic Auto Calibration	Room Compensation
Advanced Auto Volume	Yes
Audio Out	-
Auto Mute (on no signal)	Yes(Audio only)
Auto Surround	Yes
Clear Audio+	-
Clear Phase	Yes
DTS audio format support	DTS Digital Surround
Dolby audio format support	Dolby Audio, Dolby Atmos
FM Radio	-
HDMI Audio Return Channel(ARC)	Yes (eARC/ARC)
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
Headphone/Speaker Link	-
S-Master	S-Master Digital Amplifier
Simulated surround sound	-
Sound modes	Standard, Dialog, Cinema, Music, Sports, Dolby Audio
Speaker Type-2	X-Balanced Speaker
Vertical Surround Engine	Vertical Surround Engine
Voice Zoom	-
Audio Specs	

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Audio Power Output	10W + 10W
Bass/Treble/Balance	Balance
Channel	2ch
DSEE/DSEE-HX	-
Digital audio out (Optical) format	Two channel linear PCM: 48kHz 16bits, Dolby Audio, DTS
Speaker Configuration type	Full Range (Bass Reflex) (35 x 85mm) x 2
Speaker Position	Down Firing
Speaker Type	Bass Reflex Speaker

Broadcast Features

Teletext	-
Teletext number of pages	-

Carton Spec

Max Qty of carton stacking (horizontal) *only for Shop Front	0
Max Qty of carton stacking (vertical)	6

Common Item

8 digit code	12483300,12508500
Model Year	2021

Convenience Features

Accessibility Shortcut	Yes
Application Store	Yes (Google Play Store)
Audio Description	Yes
Auto Low Latency Mode (ALLM)	Yes (for HDMI3/4)
Auto Picture Mode	Yes

Auto Shut-off	Yes
Built-in Mic	Yes
Built-in Mic switch	-
Channel Block (with password)	Analog & Digital
Chromecast built-in	Yes
Control for HDMI (HDMI CEC)	-
Display Language	AFR,AMH,ARA,ASM,AZE,BEL,BUL,BEN,BOS,CAT,CZE,DAN,DEU,GRE,ENG,SPA,EST,BAQ,PER,FIN,FRA,GLG,GUJ,HIN,HRV,HUN,IND,ISL,ITA,HEB,JPN,KAZ,KAN,KOR,KIR,LAO,LIT,LAV,MAC,MAL,MON,MAR,MAY,BUR,NOB,NEP,NLD,ORI,PAN,POL,POR,RUM,RUS,SOL,SLV,ALB,SRP,SWE,SWA,TAM,TEL,THA,TGL,TUR,UKR,URD,UZB,VIE,zh_CN,zh_HK,zh_TW,ZUL
Electronic Program Guide (EPG)	Yes
Features specified in HDMI2.1	4K120/eARC/VRR*1 /ALLM
HDMI-CEC	Yes
On Screen Clock	Yes
On/Off Timer	Yes
Parental Control	Yes
Photo Frame Mode	-
Scene Select	-
Screen Reader	Yes
Show/Hide Channels	Yes(Digital&Analog)
Sleep Timer	Yes
Switch Access	Yes
TalkBack	Yes
Text Input Language	ENG / FRA / GER / HEB / ITA / RUS / SPA / VIE / JPN
Text Magnification	Yes
Twin Picture	-
USB HDD Recording	-
USB drive format support	Yes (Supported File System: FAT16/FAT32/exFAT/NTFS)

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USB playback codecs	MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS(HDV,AVCHD):MPEG2,AVC/MP4(XAVC S):AVC,MPEG4,HEVC/AVI:Xvid,MotinJpeg/ASF(WMV):VC1/MOV:AVC,MPEG4,MotionJpeg/MKV:Xvid,AVC,MPEG4,VP8.HEVC/WEBM:VP8/3GPP:MPEG4,AVC/MP3/ASF(WMA)/LPCM/WAV/MP4 AAC/FLAC/JPEG,WEBM:VP9/AC4/ogg/AAC/ARW(Screen nail only)
Variable Refresh Rate (VRR)	Yes (for HDMI3/4)*1
Voice Search	Yes
X-Protection PRO	Y (with Lightning, Surge, Humidity Protection)
i-Manual	Yes
Customizing Capability	
RS-232C Control	Yes
Design Features	
Bezel Design	Flush Surface
Cable Management	Yes
Frame color	Black
Illumination LED	-
Stand Color	Black
Stand Design	Slim Blade stand
Stand Position	-
Stand Swivel	-
Stand Tilt	-
Display Features	
Display Type	LED
Pixel Contrast Booster	Yes
Rich Color Enhancer	-

Screen Size for WEB(diagonal, cm, integer or 1st decimal)	-
X-Wide Angle	-
Display Specs	
Aspect Ratio	16:9
Display Resolution	QFHD
Screen Size (inch, measured diagonally)	-
Screen Size for WEB(diagonal, cm, integer or 1st decimal)	126 cm
Viewing Angle (Right/Left)	3840 x 2160
Viewing Angle (Up/Down)	50"(49.5")
Energy Saving & Efficiency	
Dynamic Backlight Control	Yes
ECO Friendly	Yes
EE Class for Egypt	-
EEA SDR RANK	-
Energy Star® compliant	-
ErP Rank For EU	-
Lead Content	-
Mercury content(mg)	-
On mode power 1000h SDR(New lot5)	-
Peak luminance ratio for EU	-
Power Consumption (On Mode) for Energy Star (For Americas)	-
Power Consumption (Standby Mode) for Energy Star (For Americas)	-

Power Saving Mode / Back Light Off Mode	Yes
General Features	
Auto Calibration with CalMAN	Yes
BRAVIA CORE	-
Closed Captions (Analog)	Yes
Closed Captions (Digital)	Closed Caption
Demo Mode	Yes(e-POP only)
Emergency Warning System	-
Hotel Mode Menu	-
IMAX Certified Model	-
Netflix Calibrated mode	Yes
Tencent Calibrated mode	Yes
Inputs and Outputs	
4K 60P High-Quality formats	HDMI IN1, IN2 ports for 4K(up to 18Gbps) signal, HDMI IN3, IN4 port for 4K(up to 48Gbps) signal
AC Power Input	C8 INLET(REAR)
Analog Audio Input(s) (Total)	1(Side Analog Conversion)
Audio Output(s)	-
Bluetooth profile support	version 4.2,HID/HOGP/SPP/A2DP/AVRCP
Component Video (Y/Pb/Pr) Input(s)	-
Composite Video Input(s)	1(Side, Mini jack)
Digital Audio Output(s)	1(Side)
Ethernet inputs	1(Side)
HDCP	HDCP2.3(for HDMI1/2/3/4)

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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)
HDMI Signal	4096x2160p(24,60Hz), 3840x2160p(24,30,60,120Hz)*2 , 1080p(30,60,120Hz), 1080/24p, 1080i(60Hz), 720p(30,60Hz), 720/24p, 480p
HDMI inputs total	4(4Side)
Headphone Output(s)	1(side)
IF (Satellite) Input(s)	-
Media Connect	-
PC In (D-Sub) + Audio In (Stereo Mini)	-
PCMCIA Slot(s)	-
RF (Terrestrial/Cable) Connection Input(s)	1(Side)
RS-232C Input(s)	1(Side)
Subwoofer Output(s)	-
USB ports	2(Side)
Measurements (Approx.)	
AC Cable Length	1600mm
AC Power Adapter size(W x H x D)	-
DC Cable length of AC adaptor(mm)	-
Dimension of Package Carton (W x H x D)	1225 x 782 x 141 mm / 48 1/4 x 30 7/8 x 5 5/8 inch
Dimension of TV with Floor Stand (W x H x D)	-
Dimension of TV without Stand (W x H x D)	1119 x 649 x 70 mm / 44 1/8 x 25 5/8 x 2 7/8 inch
Floor Stand Width	-
Stand width (Narrow position)	-

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Stand width (Soundbar position)	-
Stand width (Standard position)	665 mm / 26 1/4 inch
TV with Stand (Narrow position) (W x H x D)	-
TV with Stand (Soundbar position) (W x H x D)	-
TV with Stand (Standard position) (W x H x D)	1119 x 715 x 286 mm / 44 1/8 x 28 1/4 x 11 3/8 inch

Network Features

Apple AirPlay	Yes
Apple HomeKit	Yes
Codec for Home Network	MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS(HDV,AVCHD):MPEG2,AVC/MP4(XAVC S):AVC,MPEG4,HEVC/AVI:Xvid,MotinJpeg/ASF(WMV):VC1/MOV:AVC,MPEG4,MotionJpeg/MKV:Xvid,AVC,MPEG4,VP8.HEVC/WEBM:VP8/3GPP:MPEG4,AVC/MP3/ASF(WMA)/LPCM/WAV/MP4 AAC/FLAC/JPEG,WEBM:VP9/AC4/ogg/AAC/ARW(Screen nail only)
Home Network Feature	Home Network Client, Home Network Renderer
Internet Browser	Vewd (Not pre-installed)
Photo Sharing Plus / Photo Share	-
Related Info	Yes (US / Canada / MX(STB))
Screen mirroring(Miracast™)	Yes (only for B2B purpose)
USB Tethering	-
Video & TV SideView (iOS/Android)	Yes
Wi-Fi Certified	Yes
Wi-Fi Direct	Yes
Wi-Fi Frequency	2.4GHz/5GHz(for Wi-Fi Direct: 2.4GHz Only)
Wi-Fi Standard	a/b/g/n/ac
Wireless LAN	Integrated

Optional Accessories

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Floor Stand (Option)	-
VC Camera and MIC	-
Wallmount Bracket	SU-WL855(Refer to Country/Area Handling Chart)

Power	
Annual Power Consumption	156 kWh per year
Annual Power consumption For Jordan	-
Power Consumption (Home Mode) for WEB	-
Power Consumption (in Standby)	0.5 W
Power Requirements (frequency)	60Hz for UL cUL 50/60Hz for other
Power Requirements (voltage)	AC 120V for UL cUL AC 110-240V for other,-
Power consumption(Networked Standby)	-
Rated Power Consumption	148 W

Regulation and Standard Compliance	
VESA® Hole Pitch(W x H)	300 x 300 mm / 11 7/8 x 11 7/8 inch
VESA® Hole Spacing Compatible	Yes

Sensing Features	
Sensor	Light

Supplied Accessories	
AC Plug Convertor	-
AC Power Adaptor	-
AC Power Cord Spec	Bundle (C7L) (US) (2pin) (flat blades)
Android TV Setup Guide	-

Batteries	LR03
Floor Stand (Supply)	-
IR Blaster	-
Operating Instructions	US,FR,ES
Quick Setup Guide / Supplement CUE (GA)	US,FR,ES,PT
Remote Control	-
Support Belt	-
Voice Remote Control (Supply)	RMF-TX520U
Wall-Mount Bracket	-
TV System	
CI+	-
Color Space	sRGB/BT709,BT2020,AdobeRGB,DCI
Color System	NTSC
Intelligent Signal Booster	-
Number of Tuners (Sat)	-
Number of Tuners (Terrestrial/Cable)	1(Digital/Analog)
On-board Storage (GB)	16GB
Operating System	Google TV
TV System (Analog)	M
TV System (Digital Cable)	Clear QAM
TV System (Digital Sat)	-
TV System (Digital Terrestrial)	ATSC/ATSC3.0(NEXTGEN TV)
Tuner Channel Coverage (Analog)	VHF: 2-13/UHF: 14-69/CATV: 1-135
Tuner Channel Coverage (Digital Cable)	CATV: 1-135
Tuner Channel Coverage (Digital Sat)	-
Tuner Channel Coverage (Digital Terrestrial)	VHF: 2-13/UHF: 14-69(14-36 for ATSC3.0)

Video Features	
24p True Cinema	Yes
4:3 Default	Yes
4K Processor	4K HDR Processor X1
Auto Wide	Yes
CineMotion/Film Mode/Cinema Drive	Yes
Clear Resolution Enhancer	-
Dual database processing	Yes
Dynamic Contrast Enhancer	Yes
Face Area Detection	Yes
HDR (High Dynamic Range) compatiblity	Yes(HDR10,HLG,Dolby Vision)
HDR Remaster	Object-based HDR remaster
LED Motion Mode	-
Live Colour™ Technology	Yes
Mastered in 4K	-
Motion enhancer	Motionflow XR 960 (Native 120Hz), Auto mode
Object-based Super Resolution	XR Super Resolution
Panel Refresh Rate (Native Hertz)	120Hz
Peak Luminance	-
PhotoTV HD / BRAVIA for China	Yes
Picture modes	Vivid,Standard,Cinema,Game,Graphics,Photo,Custom,Dolby Vision Bright,Dolby Vision Dark
Precision Color Mapping	- (Integrated into XR Triluminos Pro)
Smoothing	-
TRILUMINOS	TRILUMINOS PRO

Video Processing	4K X-Reality PRO
Wide Mode	Wide Zoom/Normal/Full/Zoom,Normal/Full1/Full2 for PC
Video Specs	
Video Signal (analog)	-
Weights (Approx.)	
TV with Stand (Narrow position)	-
TV with Stand (Soundbar position)	-
TV with Stand (Standard position)	13.3 kg / 29.3 lb
Weight of Package Carton(Gross)	19 kg / 41.9lb.
Weight of TV with Floor Stand	-
Weight of TV without Stand	12.7 kg / 28 lb

[1]User must accept Google Terms of Service (http://www.google.com/policies/terms/), 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 TV. 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 TV without connecting to a Google account allows only basic TV features and certain apps. 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 TV. App availability varies by region and device.

[2]4K: 3,840 x 2,160 pixels. Game title supporting 4K/120fps required.

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

[4]Requires HDR compatible content from supported streaming services or HDR compatible content device connected via HDMI input (sold separately).

[5]Dolby Vision content compatible with streaming services or compatible content device connected via HDMI input (sold separately).

[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.

[7]SU-WL855 wall-mount bracket is available for select Sony OLED and LED models ranging from 55" class to 75" class. TV and wall mount system sold separately. Hardware included with wall-mount bracket.

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