

## FWD-85XR90

BRAVIA 9 Series QLED (XR|Mini LED) 85" 4K Display with Google TV & 3 years PrimeSupport



### Specifications

#### Common Item

Marketing Name	BRAVIA 9
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8 digit code	12649510
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Model Year	2024
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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 Coverage (Digital Terrestrial)	VHF / UHF (Depend on country selection)
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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)	2 (Digital) / 1 (Analog)
Number of Tuners (Sat)	2
Color System	PAL/SECAM
CI+	Yes
Color Space	sRGB / BT709, BT2020, AdobeRGB, DCI
Operating System	Android 12
On-board Storage (GB)	32GB

## Display Features

Yes

X-Anti Reflection

Display type	LCD
X-Wide Angle	Yes
Rich Color Enhancer	N/A
Backlight dimming type	Local Dimming

## Display Specs

Screen Size (inch, measured diagonally)	85" (84.6")
Screen Size for WEB (diagonal, cm, integer or 1st decimal)	215 cm
Backlight type	Direct (Full Array Mini 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
Display Resolution	QFHD

Aspect Ratio	16:9
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## Video Features

XR Backlight Master Drive	Yes
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Peak Luminance	XR Contrast Booster 30
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TRILUMINOS	XR Triluminos Pro
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Features for PlayStation®5 Auto HDR Tone Mapping	Yes
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Features for PlayStation®5 Auto Genre Picture Mode	Yes
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XR Clear Image	Yes
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High Peak Luminance	Yes
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Picture modes	Vivid, Standard, Cinema, Professional, Calm, Photo, IMAX Enhanced, Dolby Vision (Vivid / Bright / Dark / Game), FPS game, RTS game
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Auto Wide	Yes
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Wide Mode	Full / Vertical Fit / Horizontal Fit / Original, Full / Vertical Fit / Horizontal Fit / Original
Motion enhancer	XR Motion Clarity, Auto mode
Blinking Type	Line Blinking
24p True Cinema	Yes
Live Colour™ Technology	Yes
CineMotion / Film Mode / Cinema Drive	Yes
4K Processor	XR Processor
HDR (High Dynamic Range) compatibility	Yes (HDR10,HLG,Dolby Vision)
Panel Refresh Rate (Native Hertz)	120Hz
Dynamic Contrast Enhancer	Yes
<h3>Audio Specs</h3>	
Channel	2.2.2ch

Audio Power Output	10W + 10W + 10W + 10W + 10W + 10W + 5W + 5W *1
Speaker Position	Front + Side + Top
Bass / Treble / Balance	Balance
Speaker Type	Acoustic Multi-Audio+
Speaker Configuration	Multi way Multi-amplifier connections (Tweeter x 2, Mid Range x 2, Subwoofer x 2, Beam Tweeter x 2)
Digital audio out (Optical) format	Two channel linear PCM: 48kHz 16bits, Dolby Audio, DTS

## Audio Features

Acoustic Center Sync	Yes (S-CENTER SPEAKER IN)
Ready for 360 Spatial Sound Personalizer	Yes (via Bluetooth)
Simultaneous Sound Output with TV Speaker	Bluetooth A2DP Device
Vertical Surround Engine	Vertical Surround Engine

Acoustic Auto Calibration	Room & User Position Compensation
Speaker Type-2	Frame Tweeter, Beam Tweeter
Clear Phase	Yes
S-Master	S-Master Digital Amplifier
Auto Surround	Yes
DTS audio format support	DTS Digital Surround, DTS Express, DTS-HD Master Audio, DTS-HD High Resolution Audio, DTS:X
Simulated surround sound	S-Force Front Surround
Dolby audio format support	Dolby Audio, Dolby Atmos
Voice Zoom	Voice Zoom 3 (Also available with compatible Sony Soundbar)
HDMI Audio Return Channel(ARC)	Yes (eARC / ARC)
Advanced Auto Volume	Yes
Auto Mute (on no	Yes

signal)

HDMI input Audio format	7.1 channel linear PCM: 32 / 44.1 / 48 / 88.2 / 96 / 176.4 / 192kHz 16 / 20 / 24bits, Dolby Audio, Dolby Atmos, DTS, DTS Express, DTS-HD Master Audio, DTS-HD High Resolution Audio, DTS:X
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ARC output format	Two channel linear PCM: 48kHz 16bits, Dolby Audio, Dolby Atmos, DTS
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## Network Features

Control Menu	Yes
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ECO Dashboard	Yes
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Apple AirPlay	Yes
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Apple HomeKit	Yes
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Home Network Feature	Home Network Client, Home Network Renderer
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Wi-Fi Certified	Yes
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Wi-Fi Standard	a / b / g / n / ac / ax
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Wi-Fi Frequency	2.4GHz / 5GHz / 6GHz (Depend on
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	country)
Internet Browser	Yes
Codec for Home Network	MPEG1:MPEG1 / MPEG2PS:MPEG2 / MPEG2TS (HDV,AVCHD): MPEG2,AVC / MP4 (XAVC S): AVC,MPEG4,HEVC / AVI:Xvid,MotionJpeg / ASF (WMV): VC1 / MOV:AVC,MPEG4,MotionJpeg / MKV:Xvid,AVC,MPEG4,VP8.HEVC / WEBM:VP8 / 3GPP:MPEG4,AVC / MP3 / ASF (WMA) / LPCM / WAV / MP4AAC / FLAC / JPEG,WEBM: VP9 / AC4 / ogg / AAC / ARW (Screen nail only)
Wireless LAN	Integrated

## Convenience Features

Optimization of HDMI input	Prioritize HDMI content type information
Source-Based Tone Mapping(SBTM)	Yes (for HDMI3 / 4)
UVC / UAC support	Yes

Variable Refresh Rate (VRR) Yes (for HDMI3 / 4)

Auto Low Latency Mode (ALLM) Yes (for HDMI1 / 2 / 3 / 4)

Features specified in HDMI2.1 4K120 / eARC / VRR / ALLM / SBTM (Source-Based)

Built-in Mic switch Yes (Left)

X-Protection PRO Y (with Lightning, Surge, Humidity Protection)

Electronic Program Guide (EPG) Yes

USB HDD Recording Yes (1Rec) (Except Italy)

USB playback codecs MPEG1:MPEG1 / MPEG2PS:MPEG2 / MPEG2TS (HDMI) (Screen nail only)

Built-in Mic Yes

Text Input Language ARA / BUL / CAT / HRV / CES / DAN / DUT / ENG / ESP / FIN / FRA / GER / GRE / HUN / ITC / JAP / KOR / LAT / POL / POR / ROM / RUS / SLO / SPA / SWD / TUR / UKR / USA

Chromecast

built-in	Yes
Application Store	Yes (Google Play Store)
BRAVIA Sync (including HDMI-CEC)	Yes
i-Manual	Yes
Parental Control	Yes
Channel Block (with password)	Digital
On Screen Clock	Yes
Sleep Timer	Yes
On/Off Timer	Yes
USB drive format support	Yes (Supported File System: FAT16 / FAT32 / exFAT)
Display Language	AFR,AMH,ARA,ASM,AZE,BEL,BUL,BEN,BOS,CAT,CZ

## Sensing Features

Sensor	Light / Color
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## Energy Saving & Efficiency

SORPLAS	Yes
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EEA SDR RANK	D
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On mode power 1000h SDR(New lot5)	99 kWh / 1000h
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Mercury content(mg)	0.0
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Lead Content	Yes
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Dynamic Backlight Control	Yes
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Power Saving Mode / Back Light Off Mode	Yes
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## General Features

Smart TV	Google TV
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SONY PICTURES CORE Calibrated mode	Yes
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Prime Video Calibrated mode	Yes *2
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Auto Calibration with CalMAN	Yes
Netflix Calibrated mode	Yes (Adaptive Calibrated Mode)
IMAX Certified Model	Yes
SONY PICTURES CORE	10 credits / 24 months
Demo Mode	Yes (e-POP only)

## Accessibility Features

Color Inversion	Yes
Screen Reader	Yes
Audio Description	Yes
Closed Captions (Digital)	Subtitle
Text Magnification	Yes
Accessibility Shortcut	Yes
Voice Search	Yes
Menu timeout settings	Yes
Power-on Volume settings	Yes

TalkBack	Yes
Switch Access	Yes

## Broadcast Features

Teletext	Yes
Teletext number of pages	1000 pages

## Design Features

Stand Position	4way position (Outside / Inside / Outside for Soundbar / Inside for Soundbar)
Stand Color	Dark silver / Hairline
Bezel Design	Seamless Edge
Cable Management	Yes
Frame color	Dark Silver / Vibration finish
Stand Design	Underlay stand

## Inputs and Outputs

4096x2160p (24,50,60Hz),  
3840x2160p

HDMI Signal	(24,25,30,50,60,100,120Hz) *3, 1080p (24,30,50,60,100,120Hz), 1080i (50,60Hz), 720p (24,30,50,60Hz), 576p, 480p
HDCP	HDCP2.3 (for HDMI1 / 2 / 3 / 4)
Bluetooth profile support	Version 5.3, HID / HOGP / SPP / A2DP / AVRCP
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	Pigtail (REAR)
RF (Terrestrial/Cable) Connection Input(s)	1 (Side)
IF (Satellite) Input(s)	2 (Side)
HDMI inputs total	4 (4Side)
Digital Audio Output(s)	1 (Side / Hybrid with S-Center Speaker Input)
USB ports	2 (Side)
Ethernet inputs	1 (Side)

PCMCIA Slot(s)	1 (Side)
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)

## Power

Power consumption (Networked Standby Mode)	2.00W (Wi-Fi) / 2.00W (LAN) / 0.50W (CEC)
Power Requirements (voltage)	220 V - 240 V AC
Power Requirements (frequency)	50 Hz
Rated Power Consumption	528 W
Power Consumption (Standby Mode)	0.50 W

## Regulation and Standard Compliance



VESA® Hole Spacing  
Compatible Yes

VESA® Hole Pitch (W x  
H) 40.0 x 40.0 cm

## Measurements (Approx.)

TV with Stand (Inside  
for Soundbar) (W x H x  
D) Approx. 188.8 x 115.8 x 45.7 cm

Dimension of TV  
without Stand (W x H x  
D) Approx. 188.8 x 108.5 x 4.9 (3.29) cm

TV with Stand  
(Standard position) (W  
x H x D) Approx. 188.8 x 109.7 x 45.7 cm

TV with Stand (Narrow  
position) (W x H x D) Approx. 188.8 x 109.7 x 45.7 cm

TV with Stand  
(Soundbar position)  
(W x H x D) Approx. 188.8 x 115.8 x 45.7 cm

Dimension of Package  
Carton (W x H x D) Approx. 200.4 x 122.0 x 22.6 cm

Stand width  
Approx. 188.2 cm

(Standard position)

Stand width (Narrow position)	Approx. 75.3 cm
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Stand width (Soundbar position)	Approx. 188.2 cm
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AC Cable Length	3500 mm
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## Weights (Approx.)

Stand Width (Inside for Soundbar)	Approx. 75.3 cm
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TV with Stand (Inside for Soundbar)	Approx. 55.7 kg
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Weight of TV without Stand	Approx. 52.4 kg
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TV with Stand (Standard position)	Approx. 55.7 kg
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TV with Stand (Narrow position)	Approx. 55.7 kg
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TV with Stand (Soundbar position)	Approx. 55.7 kg
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Weight of Package Carton(Gross)	Approx. 67 kg
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## Carton Spec

Max Qty of carton stacking (vertical)	2
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Max Qty of carton stacking (horizontal)	N/A
*only for Shop Front	

## Supplied Accessories

Voice Remote Control (supply) included	Yes
Rechargeable Battery	

USB Type-C Cable	Yes
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Voice Remote Control (Supply)	RMF-TX920U
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Remote Control	RMT-TX450E
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Batteries	R03
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Joint Type (Pig-tail43mm) (ASIA) (2pin) (C18) + Bundle

AC Power Cord Spec	(2pin) (round pins Type F) + Bundle (C17) (SWISS) (2pin Type C)
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Operating Instructions	EN,FR,ES,NL,DE,PT,IT,SE,DK,FI,NO,PL,CZ,SK,HU,RO,B
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Quick Setup Guide / Supplement CUE (GA)	EN,FR,ES,NL,DE,PT,IT,DK,NO,SE,FI,PL,CZ,SK,HU,RO,B
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Table Top Stand	Separate (Assembly required)
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## Optional Accessories

Camera Unit (option)	CMU-BC1
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Wallmount Bracket	Sony original Wall-Mount Bracket *4
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## Notes

*1	Except in Power Saving Mode.
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*2	Firmware update may be required.
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*3	100Hz and 120Hz is supported by HDMI IN 3 and IN 4
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Please refer this compatibility list :  
<https://www.sony.net/wall-mount-bracket>

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## Gallery



