

## FWD-83A90J

83" BRAVIA MASTER Series 4K  
Ultra HD, HDR, OLED  
Professional Display



### Overview

#### **Our best-ever OLED professional display: exquisite 4K HDR images with ultimate contrast and human cognitive technology**

Add unprecedented impact to your visual communications with the stunningly styled FWD-83A90J 83" BRAVIA OLED Professional Display. Delivering the ultimate in ultra-bright, high-contrast 4K HDR image quality, it's an awe-inspiring addition to corporate boardrooms, lobbies and reception areas.

Easy to use and optimised for reliable operation in professional environments, BRAVIA MASTER Series takes full advantage of Sony's cutting-edge display and processing technologies for startlingly lifelike 4K Ultra HD HDR images and sound to match.

Our ground-breaking Cognitive Processor XR understands how humans see and hear. Taking vision and sound to the next level, this revolutionary processor uses human perspective analysis to cross-analyse and optimise hundreds of thousands of picture elements, delivering an immersive audiovisual experience that pulls viewers deeper into every scene. Combined with our unique OLED panel, the result is uniquely deep, natural HDR images with rich, vibrant colour and ultimate pure blacks – and complemented by cinematic sound that comes directly from the 83" screen.

For even greater peace of mind there's the added reassurance of our 3 Years warranty with Repair or if necessary advanced exchange handled by local partner, on premise where possible. You can also choose to extend your support for an additional 2 years.

## Features

### **4K image resolution (3840 x 2160 pixels)**

4K offers four times the detail of Full HD, with a resolution of over 8 million pixels bringing extra clarity to corporate display, education and digital signage applications.

### **High contrast OLED screen technology**

Each self-illuminating pixel is precisely controlled, ensuring breathtaking OLED pictures that feel wonderfully deep and natural. XR OLED Contrast boosts colour and contrast for wonderfully pure, true blacks plus areas of spectacular high peak brightness.

### **Wider colour with XR TRILUMINOS Pro™**

Powered by our ground-breaking Cognitive Processor XR, XR TRILUMINOS Pro™ allows BRAVIA to access a wider palette of colours, expressing the subtlest differences as seen in the real world. An enhanced hue and saturation range reveals more natural shades and precise tonal details, even in dark scenes and with hard-to-reproduce pale colours.

### **Spectacularly real 4K HDR images**

XR HDR Remaster detects and analyses individual on-screen objects, adjusting their colour and contrast for even more realism. Object-based processing powered by BRAVIA XR™ fine-tunes hue, saturation, brightness, motion vector, image bandwidth and more. The result: exceptionally real scenes with greater depth, lifelike textures and natural colours.

## **Smoother movement**

OLED XR Motion Clarity™ ensures that even the fastest on-screen action stays smooth and clear. Moving images are precisely controlled to minimise blur, with less reduction in brightness during high-speed scenes.

## **Sound that matches the action**

With our Acoustic Surface Audio+ technology, powerful actuators directly behind the OLED panel create high-fidelity, accurately balanced sound that precisely tracks the action on screen.

## **Do more with Android TV**

Discover a world of apps and online content powered by Android TV. Use Voice Search to find content easily with no typing.

## **Google Chromecast and Apple Airplay**

With Google Chromecast and Apple Airplay built-in, it's easy to mirror content and enjoy it super-sized on BRAVIA.

## **Flexible mounting and installation**

BRAVIA Professional Displays offer flexible installation options, with VESA standard mounting for easy integration into a wide range of environments.

## **Greater peace of mind**

There's the added reassurance of our 3 Years warranty with Repair or if necessary advanced exchange handled by local partner, on premise where possible. You can also choose to extend your support for an additional 2 years.

## Specifications

### Display features

Display type	OLED
--------------	------

## Display specifications

Screen Size for WEB(diagonal, cm, integer or 1st decimal)	210 cm
---	--------

Display resolution (H x V, pixels)	3840 x 2160
------------------------------------	-------------

Screen Size (inch, measured diagonally)	83"(82.5")
---	------------

Viewing Angle (Right/Left)	178(89/89) degree
----------------------------	-------------------

Viewing Angle (Up/Down)	178(89/89) degree
-------------------------	-------------------

Display Resolution	QFHD
--------------------	------

Aspect Ratio	16:09
--------------	-------

## Professional features

HDMI Auto Wake Up	No
-------------------	----

Compatible with TDM Digital Signage/ TEOS Solutions	No
---	----

Operating System	Android 10
------------------	------------

On-board Storage (GB)	16GB
-----------------------	------

## Display system

TV System (Digital Terrestrial)	DVB-T/T2
---------------------------------	----------

TV System (Digital Cable)	DVB-C
---------------------------	-------

TV System (Digital Sat)	DVB-S/S2
-------------------------	----------

Number of Tuners (Terrestrial/Cable)	2(Digital)/1(Analog)
--------------------------------------	----------------------

Number of Tuners (Sat)	2
------------------------	---

## Network features

Apple AirPlay	Yes
---------------	-----

Wi-Fi Direct	Yes
--------------	-----

Wi-Fi Certified	Yes
-----------------	-----

Chromecast built-in	Yes
---------------------	-----

Internet Browser	Vewd
------------------	------

Wireless LAN	Integrated
--------------	------------

## Convenience features

USB playback codecs	MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS(HDV,AVCHD) HEVC/WEBM:VP8/3GPP:MPEG4,AVC/MP3/ASF(WMA)/LPC
---------------------	---

HDMI-CEC	Yes
----------	-----

i-Manual	Yes
----------	-----

On Screen Clock	Yes
-----------------	-----

Sleep Timer	Yes
-------------	-----

On/Off Timer	Yes
--------------	-----

Display Language	AFR,AMH,ARA,ASM,AZE,BEL,BUL,BEN,BOS,CAT,CZE,DAN, SWA,TAM,TEL,THA,TGL,TUR,UKR,URD,UZB,VIE,zh_CN,zh
------------------	--

## Control specs

IP Control	Yes (Authentication required)
------------	-------------------------------

Pro Mode	No
----------	----

## Inputs & outputs

HDMI Signal	4096x2160p(24,50,60Hz), 3840x2160p(24,25,30,50,60,100,120Hz) *1 , 1080p(30,50,60,100,120Hz), 1080/24p, 1080i(50,60Hz), 720p(30,50,60Hz), 720/24p, 576p, 480p
HDCP	HDCP2.3(for HDMI1/2/3/4)
AC Power Input	C18 INLET(REAR)
RF (Terrestrial/Cable) Connection Input(s)	1(Bottom)
IF (Satellite) Input(s)	2(Bottom)
Composite Video Input(s)	Hybrid w/S-Center Speaker Input x1(Side, Mini jack)
HDMI inputs total	4(1Side,3Bottom)
Digital Audio Output(s)	1 (Bottom)
Audio Output(s)	No
Headphone Output(s)	1(side)
Ethernet inputs	1(Bottom)

PCMCIA Slot(s) 1(Side)

---

## Audio specifications

Speaker Position Front

---

Audio Power Output 20W + 20W + 10W + 10W

---

Digital audio out (Optical) format Two channel linear PCM: 48kHz  
16bits, Dolby Audio, DTS

---

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

---

ARC output format Two channel linear PCM: 48kHz  
16bits, Dolby Audio, Dolby Atmos, DTS

---

## Video specifications

Wide Mode Wide  
zoom/Normal/Full/Zoom/14:9  
Normal/Full1/Full2 for PC

---

4:3 Default Yes

---



Video Processing	XR 4K Upscaling
Motion enhancer	XR Motion Clarity, Auto mode
4K Processor	Cognitive Processor XR
HDR (High Dynamic Range) compatibility	Yes(HDR10,HLG,Dolby Vision)
Panel Refresh Rate (Native Hertz)	100Hz
Dynamic Contrast Enhancer	Yes

## Design features

Stand Position	3way position(Standard position/Narrow position/Soundbar position)
Stand Color	Titanium Black
Bezel Design	Metal Flush Surface
Cable Management	Yes
Frame color	Titanium Black
Stand Design	Aluminum Edge Stand
VESA® Hole Spacing	

Compatible Yes

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

## Eco & energy saving

On mode power 1000h SDR(New lot5) 194 kWh/1000h

Mercury content(mg) 0.0

Power Requirements (frequency) 50Hz

Rated Power Consumption 817 W

Power Consumption (in Standby) 0.50 W

Power Requirements (voltage) 220 V - 240 V AC

Power consumption(Networked Standby) 2.00W(Wi-Fi) / 2.00W(LAN) / 0.50W(CEC)

Power Saving Mode / Back Light Off Mode Yes

## Dimensions

Display Only (W x H x D)	Approx. 185.0 x 106.7 x 5.3 (0.73) cm
--------------------------	---------------------------------------

Display with Stand (W x H x D)	Approx. 188.0 x 107.2 x 42.8 cm
--------------------------------	---------------------------------

Package Carton (W x H x D)	Approx. 196.6 x 118.8 x 21.6 cm
----------------------------	---------------------------------

## Weights (Approx.)

Display Only	Approx. 42 kg
--------------	---------------

Display with Stand	Approx. 43.5 kg
--------------------	-----------------

Package Carton(Gross)	Approx. 59 kg
-----------------------	---------------

## Supplied accessories

Voice Remote Control	RMF-TX621E
----------------------	------------

Batteries	LR03
-----------	------

AC Power Cord Spec	Bundle (C17) (EUROPE) (2pin) (round pins Type B) + Bundle (C17) (SWISS) (2pin) (round pins Type C)
--------------------	--

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

---

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

---

Table Top Stand	Separate(assembly required)
-----------------	-----------------------------

---

## Optional accessories

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

---

## PrimeSupport

Included PrimeSupport	3 Years warranty with Repair or if necessary advanced exchange handled by local partner, on premise where possible.
-----------------------	---

---

Optional PrimeSupport Extensions	Optional 2-year support extension available: PSP.FWD83A90J.2X
----------------------------------	---

---

## Notes

\*1

100Hz and 120Hz is supported by  
HDMI IN 2, IN 3 and IN 4

---

## Gallery



