

## FWD-55A90J

55" 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-55A90J 55" 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 55" 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) | 139 cm |
|---|--------|

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

|   |            |
|---|------------|
| Screen Size (inch, measured diagonally) | 55"(54.6") |
|---|------------|

|                            |                   |
|----------------------------|-------------------|
| 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)<br>HEVC/WEBM:VP8/3GPP:MPEG4,AVC/MP3/ASF(W      |
| 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,<br>SWA,TAM,TEL,THA,TGL,TUR,UKR,URD,UZB,VIE,z |

## Control specs

|            |                               |
|------------|-------------------------------|
| IP Control | Yes (Authentication required) |
| Pro Mode   | No                            |

## Inputs & outputs

4096x2160p(24,50,60Hz),  
3840x2160p(24,25,30,50,60,100,120Hz)

|  |  |
|--|--|
| HDMI Signal                                | 1080p(30,50,60,100,120Hz), 1080/24p, 1080i(50,60Hz), 720p(30,50,60Hz), 720i(50,60Hz), 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<br>16bits, Dolby Audio, DTS   |
| HDMI Audio Return Channel(ARC)     | Yes (eARC/ARC)  |
| HDMI input Audio format            | 5.1 channel linear PCM:<br>32/44.1/48/88.2/96/176.4/192kHz<br>16/20/24bits, Dolby Audio, Dolby Atmos, DTS |
| ARC output format                  | Two channel linear PCM: 48kHz<br>16bits, Dolby Audio, Dolby Atmos, DTS                                    |

## Video specifications

|  |  |
|--|--|
| Wide Mode                              | Wide zoom/Normal/Full/Zoom/14:9<br>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 | 2way position(Standard position/Soundbar position) |
|----------------|--|

|             |                |
|-------------|----------------|
| Stand Color | Titanium Black |
|-------------|----------------|

|              |               |
|--------------|---------------|
| Bezel Design | Seamless Edge |
|--------------|---------------|

|                  |     |
|------------------|-----|
| Cable Management | Yes |
|------------------|-----|

|             |                |
|-------------|----------------|
| Frame color | Titanium Black |
|-------------|----------------|

|              |                     |
|--------------|---------------------|
| Stand Design | Aluminum Edge Stand |
|--------------|---------------------|

|                               |     |
|-------------------------------|-----|
| VESA® Hole Spacing Compatible | Yes |
|-------------------------------|-----|

|                         |                |
|-------------------------|----------------|
| VESA® Hole Pitch(W x H) | 30.0 x 30.0 cm |
|-------------------------|----------------|

## Eco & energy saving

|                                   |               |
|-----------------------------------|---------------|
| On mode power 1000h SDR(New lot5) | 113 kWh/1000h |
|-----------------------------------|---------------|

|                     |     |
|---------------------|-----|
| Mercury content(mg) | 0.0 |
|---------------------|-----|

|                                |      |
|--------------------------------|------|
| Power Requirements (frequency) | 50Hz |
|--------------------------------|------|

|             |       |
|-------------|-------|
| Rated Power | 399 W |
|-------------|-------|

## Consumption

|   |  |
|---|--|
| Power Consumption (in Standby)          | 0.50 W                                       |
| Power Requirements (voltage)            | 220 V - 240 V AC                             |
| Power consumption(Networked Standby)    | 2.00W(Wi-Fi) /<br>2.00W(LAN) /<br>0.50W(CEC) |
| Power Saving Mode / Back Light Off Mode | Yes  |

## Dimensions

|                                |                                     |
|--------------------------------|-------------------------------------|
| Display Only (W x H x D)       | Approx. 122.3 x 70.9 x 4.1(0.56) cm |
| Display with Stand (W x H x D) | Approx. 128.2 x 70.9 x 31.7 cm      |
| Package Carton (W x H x D)     | Approx. 139.1 x 83.6 x 18.0 cm      |

## Weights (Approx.)

|                       |                 |
|-----------------------|-----------------|
| Display Only          | Approx. 18.6 kg |
| Display with Stand    | Approx. 20.3 kg |
| Package Carton(Gross) | Approx. 29 kg   |

## Supplied accessories

|   |  |
|---|--|
| Voice Remote Control                    | RMF-TX621E   |
| Batteries                               | LR03   |
| AC Power Cord Spec                      | Bundle (C17) (EUROPE) (2pin) (round pins Type C)<br>(SWISS) (2pin) (round pins Type C) |
| Operating Instructions                  | GB,FR,ES,NL,DE,PT,IT,SE,DK,FI,NO,PL,CZ,SK,H  |
| Quick Setup Guide / Supplement CUE (GA) | GB,FR,ES,NL,DE,PT,IT,DK,NO,SE,FI,PL,CZ,SK,H  |
| Table Top Stand                         | Separate(assembly required)  |

## Optional accessories

|                   |  |
|-------------------|--|
| Wallmount Bracket | SU-WL450(Terminal access limitation, refer to SU-WL450 product page), SU-WL850(Refer to Country/Area Handling Chart) |
|-------------------|--|

## PrimeSupport

|                       |   |
|-----------------------|---|
| Included PrimeSupport | 3 Years warranty with Repair or if necessary advanced exchange handled by local partner, on premise where possible. |
| Optional              | Optional 2-year support   |

PrimeSupport  
Extensions

extension available:  
PSP.FWD55A90J.2X

---

## Notes

\*1

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

---

## Gallery



