

FWD-50X80J

50" BRAVIA 4K Ultra HD, HDR,
LED Professional Display



Overview

Vibrant, true-to-life pictures and sound plus smart connectivity

Add extra impact to your business communications with the FWD-50X80J BRAVIA Professional Display that combines lifelike 4K HDR picture quality with smart connectivity, elegant styling and easy operation.

Optimised for professional applications, BRAVIA delivers richly coloured, high-contrast 4K HDR images, with 4K X-Reality PRO upscaling lower-resolution images closer to true 4K quality.

The display's clean, minimal design keeps your audience focused on what really matters, while Dolby Atmos delivers pure, immersive sound.

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.

More contrast, colour and clarity

Our 4K HDR Processor X1™ cleans and refines picture signals, using advanced algorithms to cut noise and boost detail. Even lower-resolution images are upscaled closer to 4K with lifelike colour and textures for more impactful signage and presentations.

See finer detail

4K X-Reality PRO upscales pictures closer to true 4K quality. Images are sharpened and refined in real time, revealing extra detail from lower-resolution picture sources.

Wider colour with TRILUMINOS Display

Powered by our X1 processor, TRILUMINOS Display maps colours from a wider palette, faithfully reproducing a world of more vivid, lifelike hues and tones. Sony's unique TRILUMINOS algorithms detect colour from saturation, hue and brightness to ensure accurate reproduction of subtle natural shades. The result: a wider gamut of rich colours, bringing you even closer to what you'd see in the real world.

Smoother movement

Motionflow™ XR inserts additional picture frames between the originals, ensuring smoother, sharper detail in fast-moving sequences.

Refined style to match any space

BRAVIA features a slim, contemporary blade design with a narrow screen bezel that adds an extra touch of refinement to any business environment.

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.

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

| | |
|---------------------------------|---------------|
| Brightness (cd/m ²) | 440 |
| Contrast Ratio | 5000:1 |
| Dynamic contrast ratio | 300000:1 |
| Response time (ms) | 9 |
| Panel type | VA |
| Backlight dimming type | Frame Dimming |
| Display type | LCD |

Display specifications

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|---|-------------------|
| 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 |
| Screen Size (inch, measured diagonally) | 50"(49.5") |
| 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

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|---|------------|
| HDMI Auto Wake Up | No |
| Compatible with TDM Digital Signage/ TEOS Solutions | No |
| Operating System | Android 10 |
| On-board Storage | |

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| (GB) | 16GB |
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Display system

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|---------------------------------|----------|
| TV System (Digital Terrestrial) | DVB-T/T2 |
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| TV System (Digital Cable) | DVB-C |
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| TV System (Digital Sat) | DVB-S/S2 |
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|--------------------------------------|-------------------|
| Number of Tuners (Terrestrial/Cable) | 1(Digital/Analog) |
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| Number of Tuners (Sat) | 1 |
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Network features

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| Apple AirPlay | Yes |
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| Wi-Fi Direct | Yes |
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| Wi-Fi Certified | Yes |
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| Chromecast built-in | Yes |
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| Internet Browser | Vewd |
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| Wireless LAN | Integrated |
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Convenience features

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| USB playback codecs | MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS(HDV,AVCHD) HEVC/WEBM:VP8/3GPP:MPEG4,AVC/MP3/ASF(WMA)/LPC |
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| HDMI-CEC | Yes |
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| i-Manual | Yes |
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| On Screen Clock | Yes |
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| Sleep Timer | Yes |
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| On/Off Timer | Yes |
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| 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 |
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Control specs

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| IP Control | Yes (Authentication required) |
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| Pro Mode | No |
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Inputs & outputs

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| HDMI Signal | 4096x2160p(24,50,60Hz), 3840x2160p(24,25,30,50,60Hz), 1080p(30,50,60Hz), 1080/24p, 1080i(50,60Hz), 720p(30,50,60Hz), 720/24p, 576p, 480p |
| HDCP | HDCP2.3(for HDMI1/2/3/4) |
| 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) |
| HDMI inputs total | 4(4Side) |
| Digital Audio Output(s) | 1(Side) |
| Audio Output(s) | No |
| Headphone Output(s) | 1(Side) |
| Ethernet inputs | 1(Side) |
| PCMCIA Slot(s) | 1(Top) |

Audio specifications

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| Speaker Position | Down Firing |
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| Audio Power Output | 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

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| Wide Mode | Wide zoom/Normal/Full/Zoom/14:9 Normal/Full1/Full2 for PC |
| 4:3 Default | Yes |
| Video Processing | 4K X-Reality PRO |
| Motion enhancer | Motionflow XR 200/240Hz (Native 50/60Hz), Auto mode |
| 4K Processor | 4K HDR Processor X1 |

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| HDR (High Dynamic Range) compatibility | Yes(HDR10,HLG,Dolby Vision) |
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| Panel Refresh Rate (Native Hertz) | 50Hz |
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| Dynamic Contrast Enhancer | Yes |
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Design features

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| Stand Color | Black |
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| Bezel Design | Narrow Bezel |
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| Cable Management | Yes |
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| Frame color | Black |
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| Stand Design | Slim Blade stand |
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| VESA® Hole Spacing Compatible | Yes |
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| VESA® Hole Pitch(W x H) | 20.0 x 20.0 cm |
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Eco & energy saving

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| On mode power 1000h SDR(New lot5) | 86 kWh/1000h |
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| Mercury content(mg) | 0.0 |
| Power Requirements (frequency) | 50Hz |
| Rated Power Consumption | 157 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) / 1.0W(Bluetooth) |
| Power Saving Mode / Back Light Off Mode | Yes |

Dimensions

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| Display Only (W x H x D) | Approx. 112.6 x 65.3 x 7.0 cm |
| Display with Stand (W x H x D) | Approx. 112.6 x 71.8 x 28.6 cm |
| Package Carton (W x H x D) | Approx. 122.6 x 78.2 x 14.1 cm |

Weights (Approx.)

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| Display Only | Approx. 12.3 kg |
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| Display with Stand | Approx. 12.9 kg |
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| Package Carton(Gross) | Approx. 17 kg |
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Supplied accessories

Voice

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| Remote Control | RMF-TX520E |
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| Batteries | LR03 |
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| AC Power Cord Spec | Bundle (C7L) (EUROPE) (2pin) (round pins Type C) |
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| Operating Instructions | GB,FR,ES,NL,DE,PT,IT,SE,DK,FI,NO,PL,CZ,SK,HU,RO,BG |
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| Quick Setup Guide / Supplement CUE (GA) | GB,FR,ES,NL,DE,PT,IT,DK,NO,SE,FI,PL,CZ,SK,HU,RO,BG |
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| Table Top Stand | Separate(assembly required) |
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Optional accessories

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

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| Included PrimeSupport | 3 Years warranty with Repair or if necessary advanced exchange handled by local partner, on premise where possible. |
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| Optional PrimeSupport Extensions | Optional 2-year support extension available: PSP.FWD50X80J.2X |
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Gallery

