

## FW-85BZ40H

85" BRAVIA 4K Ultra HD HDR  
Professional Display



### Overview

The slim, energy-efficient BRAVIA FW-85BZ40H combines bright 4K HDR image quality with easy operation, flexible networking/control and extensive integration options.

Every BRAVIA 4K Professional Display takes full advantage of latest consumer television technologies to ensure vibrant, high-brightness 4K HDR images that add impact to all your content. Beautiful pictures are balanced by Acoustic Multi-Audio™ for clear, immersive sound.

With portrait mode, advanced control, professional mode, optional interactive compatibility and 24/7 operation, the new BRAVIA FW-85BZ40H is designed to suit a wide range of B2B applications. Side-mounted terminals allow easy access for cable connections. The display's elegantly minimal design is enhanced further for professional use with a four-sided aluminium bezel and full protective rear.

Pro mode allows quick and easy customisation to suit different environments including corporate, education and hospitality, while One Step Setting optimises display settings for signage and conference rooms at the touch of a single button. A powerful SoC platform with improved processing speeds allow apps and animation to run smoothly and efficiently alongside a stress-free user interface for easy operation.

The new BZ Series feature a number of fantastic built-in and optional solutions to customise your BRAVIA exactly the way you want. From meeting room solutions, Manage for TEOS, Connect for TEOS, TDM Digital Signage, Smart Automation System and the Applications Store, without the need for any external devices or players.

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.

### **Very high brightness and contrast**

The high brightness, high contrast panel with Full Array local dimming is ideal for presenting 4K HDR (High Dynamic Range) content, revealing subtle detail in bright highlights and areas of dark shadow.

### **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.

### **Rich, natural colour with TRILUMINOS Display**

TRILUMINOS Display maps colours from a wider palette, faithfully reproducing a world of more vivid, lifelike hues and tones.

### **Smooth, fluid on-screen action**

X-Motion Clarity™ ensures smoother, more natural reproduction of rapidly-moving on-screen images.

### **Quick set-up with Pro Mode**

Customise and store display settings and features, then copy easily to multiple displays via USB flash memory.

### **One Step Setting**

A time-saver in corporate environments, One Step Setting optimises picture and networking settings to suit meeting rooms and signage applications at the touch of a single button.

### **Easily create digital signage**

Integrated support for HTML5 makes it easy to produce compelling digital signage. Combine graphics, text, video and live web content to create attractive signage in minutes with no extra hardware or special training.

### **Reliable 24/7 operation**

BRAVIA is engineered for dependable round-the-clock operation in the most demanding corporate and AV presentation environments.

### **Cast content with Apple AirPlay2**

With Apple AirPlay2 it's easy to stream video and sound to BRAVIA right from an iPhone, iPad or Mac.

### **Google Chromecast built in**

Cast videos and apps from a mobile device directly to BRAVIA with Google Chromecast. Just tap the Cast button on your Android or iOS device screen and instantly enjoy it super-sized on BRAVIA.

### **Versatile remote control**

Control BRAVIA remotely – including on/off, input signal select and adjust volume – over IP via RJ45 by web API or via RS-232C.

## Connectivity when you need it most

The FW-85BZ40H supports Wi-Fi 5GHz and 2.4GHz as well as Bluetooth 4.2.

## Flexible mounting and installation

The display offers flexible mounting options (vertical, tilt, and table-top), with VESA-standard mounting for easy integration into a wide range of environments.

## DICOM

Correctly show X-ray images for non-diagnostic purposes through a dedicated app straight from the home screen. Use DICOM Sim mode to show any HDMI input.

## TEOS Integration

BRAVIA integrates seamlessly with TEOS, Sony's suite of workspace management applications that orchestrate control of devices and content in boardrooms, meeting areas and public spaces.

## Greater Peace of Mind

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## Specifications

### Display Features

Brightness (cd/m <sup>2</sup> )	Typ. 620 / Peak 850
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Native Contrast Ratio	4,000:1
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Dynamic Contrast Ratio	600000:1
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Response Time (ms)	6
Panel type	VA
Dimming Type	Local Dimming
Display Device	LCD
Backlight Type	Direct LED
Operation Time	24/7
Portrait Mode	Yes

## Display Specifications

Screen Size for WEB(diagonal, cm, integer or 1st decimal)	215.0 cm
Display resolution (H x V, pixels)	3840 x 2160
Screen Size (inch, measured diagonally)	85" (84.6")
Viewing Angle (Right/Left/Up/Down)	178 (89/89) degree
Display Resolution	QFHD
Aspect Ratio	16:9

## Professional Features

Professional Hidden Mode	Yes
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HDMI Auto Wake-up	Yes
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Multicast/ IPTV	Yes
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Compatible with TDM Digital Signage/TEOS Solutions	Yes
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Operating System	Android 9.0
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On-board Storage (GB)	16GB
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## Network Features

Wi-Fi Direct	Yes
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Wi-Fi Certified	Yes
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Wi-Fi Standard	a/b/g/n/ac
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Wi-Fi Frequency	2.4GHz/5GHz (for Wi-Fi Direct: 2.4GHz Only)
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Codec for Home	MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS(HDV,AVCHD)
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Network	S):AVC,MPEG4,HEVC/AVI:Xvid,MotinJpeg/ASF(WMV):VC
Apple AirPlay (Internet required)	Yes
Chromecast built-in	Yes
Wireless LAN	Integrated

## Convenience Features

USB Playback Codecs	MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS(HDV,AVCHD) S):AVC,MPEG4,HEVC/AVI:Xvid,MotinJpeg/ASF(WMV):VC1/
HDMI-CEC	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.

## Control Specs

IP Control Yes

RS-232C Control 1 (Side)

Pro mode Yes

## Inputs & Outputs

HDMI Signal 4096x2160p(24,50,60Hz),  
3840x2160p(24,25,30,50,60Hz),  
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 C8 INLET (REAR)

Composite Video Input(s) 1 (Side)

HDMI Inputs Total 4 (Side)

Digital Audio Output(s) 1 (Side)

Headphone Output(s) 1 (Side)



USB Ports	2 (Side)
Ethernet Inputs	1 (Side)
RS-232C Input(s)	1 (Side)

## Audio Specifications

Speaker Position	Side Back + Down Firing
Audio Power Output	10W + 10W
Digital Audio Out (Optical) Format	Two channel linear PCM: 48kHz 16bits, Dolby Audio, DTS
Dolby Atmos	Yes
Speaker Type-2	Sound Positioning Tweeter, X-Balanced Speaker
Clear Phase	Yes
Dolby Audio Format Support	Dolby Audio, Dolby Atmos
HDMI Audio Return Channel(ARC)	Yes (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
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## Video Specifications

Wide Mode	Auto/Wide zoom/Normal/Full/Zoom/14:9
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4:3 Default	Yes
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Video Processing	4K X-Reality PRO
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Motion Enhancer	X-Motion Clarity, Auto mode
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4K Processor	X1 4K HDR Processor
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HDR (High Dynamic Range) compatibility	Yes (HDR10,HLG,Dolby Vision)
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Panel Refresh Rate (Native Hertz)	100Hz
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## Design Features

Cable Management	Yes
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Frame color	Black
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Stand Design	Metal Blade Stand
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VESA® Hole Spacing

Compatible Yes

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

## Eco & Energy saving

Energy Label Rating G

On-mode Power Consumption 189.0W

Power Consumption (in Standby) 0.50W

Peak Luminance Ratio for EU 75%

Mercury Content(mg) 0.0

Power Saving Mode / Back Light Off Mode Yes

Power Requirements (voltage) AC 220-240V

## Regulatory approvals

Regulatory approvals CE  
CB

\*1 EAC

## Dimensions

Display Only (W x H x D)      Approx. 189.9 × 108.9 × 7.2 cm

Display with Stand (W x H x D)      Approx. 189.9 × 116.2 × 44.1 cm

Dimension of Package Carton (W x H x D)      Approx. 203.8 × 123.5 × 26.0 cm

## Weights (Approx.)

Display Only      Approx. 45.8 kg

Display with Stand      Approx. 47.7 kg

Package Carton (Gross)      62 kg

## Optional Accessories

Wallmount Bracket      SU-WL450 (Terminal access limitation, refer to SU-WL450 product page), SU-WL850, SU-WL500

## 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.FDWBZH85.2X

## Notes

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The information on this page is current as of the date of publication. Please contact your local office for the latest information.

## Further Information

Product

Information Sheet <https://eprel.ec.europa.eu/screen/product/electronic>

## Gallery

