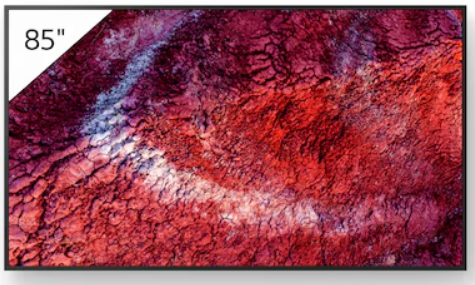
SONY

FW-85BZ40P

85″ very high brightness 700 nit 4K HDR professional display with unique Deep Black Non-Glare Premium and IP5X dust resistance



Overview

Streamlined design, elevated performance

Slim, strikingly styled Pro BRAVIA FW-85BZ40P is the truly professional display, uniting spectacular 4K HDR picture quality and enhanced reliability with greater energy efficiency and reduced ownership costs in retail, corporate and educational environments. Cutting-edge image innovation includes Sony's unique Deep Black Non-Glare Premium for rich, high-impact pictures that powerfully stand out, even in brightly-lit spaces. The display's tough redesigned chassis offers IP5X dust protection for greater durability in challenging pro applications. Flexible integration, friendly operation and generous customisation options make life simpler for system integrators and users in today's connected AV spaces.

Features

Minimised glare and rich, high-contrast black expression with Deep Black Non-Glare Premium

Unique to Pro BRAVIA BZ40P Series, Deep Black Non-Glare Premium combines a high-performance haze and low-reflection screen coating with advanced contrast processing powered by our powerful XR Processor. Glare is dramatically minimised, complemented by deep, rich black expression.

Wide angle visual impact

The 85″ FW-85BZ40P grabs your audience's attention with very high 700 nit screen brightness for bold, high-impact visuals that are always seen clearly, even in bright environments. Advanced Sony picture processing technologies ensure your content looks its very best. The display's wide viewing angle* ensures that everyone in the room can enjoy clear, bright images wherever they're positioned.
*Viewing angle characteristics vary depending on model and screen size.

Intelligence to captivate viewers' imaginations

Sony's advanced XR Processor immerses audiences more deeply in every viewing environment, from retail stores and showrooms to restaurants and visitor attractions. Powerful AI-powered picture processing understands how people really see the world, faithfully reproducing everything from lifelike skin tones to the mouthwatering colour and freshness of food. Two newly developed picture modes for digital signage applications - Standard and Dynamic - fully leverage the awesome power of the XR Processor.

Every scene optimised by AI

Powered by the XR processor, Cross Analysis simultaneously analyses key image elements - colour, contrast, resolution, focal points, depth, and motion - for strikingly rich, immersive visuals while avoiding unnatural tones or excessive enhancement.

Detail rediscovered

Lower resolution content is automatically upscaled to near-4K quality, revealing fine details without harsh, artificial-looking enhancement.

Effortlessly adapts to every environment
Pro BRAVIA FW-85BZ40P introduces a slim redesigned chassis and unified design that blends gracefully into contemporary business and retail environments while reducing the workload on pro AV installers. With a consistent design concept across Pro BRAVIA BZ40P/BZ35P/BZ30P Series models, it's easy to combine displays in all series and screen sizes for beautifully harmonised results that suit every installation and budgetary need.

Designed for smooth, flexible installation
Accentuating Pro BRAVIA's stylish, contemporary looks, the display's slim-line chassis is complemented by narrow, evenly sized bezels on all sides of the screen. Installation flexibility is enhanced by the centrally positioned VESA hole patterns, making Pro BRAVIA FW-85BZ40P ideal for horizontal or vertical mounting in signage and other applications. Integral carry handles offer a safe and secure hold for more confident handling during installation.

Streamlined setup, enhanced usability
Pro BRAVIA FW-85BZ40P makes life even simpler in professional applications with a redesigned setup wizard and intuitive user interface. There's also a simplified home screen that integrates Pro Mode settings for quick and easy access.

Signage made simple with no set-top box
Pro BRAVIA FW-85BZ40P features a powerful SoC (system on chip) platform that enables smart digital signage operation without the need for an external set-top box (STB). With no extra hardware or unsightly cabling required, installation and operation are simplified while optimising device reliability and security. The addition of a Real-Time Clock allows content management app schedules to be maintained even when display power is switched off.

Made to make business easier
Fine-tune Pro BRAVIA FW-85BZ40P to suit the demands of corporate or retail environments. Newly-enhanced Pro Mode makes it even easier to control and customise display functions to meet today's business needs. When a laptop or HDMI device is connected, Pro BRAVIA automatically powers on and selects the correct input to save time in meetings. Physical buttons, remote control, inputs and selected functions can be restricted to discourage tampering in stores and public spaces. One-step setting instantly applies optimised settings to suit commonly encountered applications - Signage Dynamic, Signage Standard or Meeting Room.

Cloud-based setup and management
Support for remote management applications* by Sony and other developers gives full control over cloud-based display setup, control, monitoring and maintenance. Zero touch provisioning reduces time and effort in large multi-screen deployments. Physical installation environment conditions are detected by tilt angle and temperature sensors for integration via API with third-party remote management systems. * Application support varies by sales region.

Round the clock reliability
Business never sleeps: Pro BRAVIA FW-85BZ40P is engineered for dependable 24/7 operation in challenging corporate and commercial environments.

Wireless screen mirroring
It's easy to mirror content wirelessly from handheld devices onto the display with support for Apple AirPlay.

Dust resistant chassis
Pro BRAVIA FW-85BZ40P features a re-engineered chassis housing that meets IP5X standards for resistance to dust, ensuring uncompromised operation in challenging environments.

Tested for endurance

A gruelling testing programme includes drop, vibration, temperature and humidity tests to ensure long-term reliability in real-world business environments.

Committed to sustainability
Pro BRAVIA FW-85BZ40P is manufactured exclusively using components from Sony-certified Green Partners, reflecting our commitment to environmental sustainability.

Energy saving features for lowered power consumption
Thanks to an efficient new optical system and intelligent backlight control that works with the XR Processor's AI scene recognition, power consumption is reduced by up to 31% compared to previous models. Power saving mode limits energy consumption, helping to reduce energy costs further during long-term operation in professional environments.

Reducing environmental impact
Pro BRAVIA FW-85BZ40P features increased used of SORPLAS, Sony's groundbreaking plastic material made with used water bottles and waste optical discs that helps to reduce CO2 emissions. Compared to previous models, BZ40P Series increases SORPLAS usage up to 43% of all plastic materials. The display's redesigned card product packaging uses less raw materials, with environmental impact reduced further by use of water based printing ink.

Sustainability in every scene
With growing demand for larger display screens, there's also the risk of greater resource and energy use. Sony's sustainability commitments are realising efficiency gains from product development right through to displaying content and viewing screens. Pro BRAVIA FW-85BZ40P features ENERGY STAR and EPEAT* certification. (Note that certifications vary depending on region). *Certification underway

Specifications

General Features	
Screen Size	85"
Brightness (cd/m^2)	700
Contrast Ratio	5500:1
Dynamic Contrast Ratio	600,000:1
Response Time (Gray to gray, Typical, ms)	8
Display Resolution (H x V, pixels)	3840 x 2160
HDR (High Dynamic Range) Compatibility	Yes (HDR10,HLG)
Portrait/Tilt Compatibility	Yes

Display Features	
Dimming Type	Frame Dimming
Panel Type	VA
Backlight Type	Direct LED
Colour Gamut (DCI-P3)	92%

Display Features

Picture Processor	XR Processor
Operation Time	24 / 7
Deep Black Non-Glare	Premium
Haze (%)	52%
Viewing Angle (Right/Left)	178 (89 / 89) degree (CR >10)
Viewing Angle (Up/Down)	178 (89 / 89) degree (CR >10)

Video Specification

HDMI Signal	4096x2160p(24,50,60Hz), 3840x2160p(24,25,30,50,60Hz), 1080p(24,30,50,60Hz), 1080i(50,60Hz), 720p(24,30,50,60Hz), 576p, 480p

Audio Specification

Audio Power Output	20W

Professional Features

IP Rating (Dust resistant)	IP5X
Real-Time Clock	Yes
Pro Mode	Yes
HDMI Auto Wake-Up	Yes
HTML5 Platform	Yes
Multicast/IPTV	TBD
Operating System	Android
On-board Storage (GB)	32GB

Network Specification

Wireless LAN	Integrated

Convenience Features

USB Playback Codecs	MPEG1:MPEG1 / MPEG2PS:MPEG2 / MPEG2TS(HDV,AVCHD):MPEG2,AVC / MP4(XAVCS):AVC,MPEG4,HEVC / AVI,MotionJpeg / MOV:AVC,MPEG4,MotionJpeg / MKV,AVC,MPEG4,VP8.HEVC / WEBM:VP8 / 3GPP:MPEG4,AVC / MP3 / ASF(WMA) / LPCM / WAV / MP4AAC / FLAC / JPEG
On Screen Clock	Yes
Sleep Timer	Yes
On/Off Timer	Yes
Apple AirPlay	Yes

Control Specifications

IP Control	Yes
RS-232C Control	Yes
HDMI-CEC	Yes

Inputs and Outputs

HDCP	HDCP2.3(for HDMI1/2/3/4)
HDMI Inputs Total	4 (Side)
USB Ports	2 (Side)
Ethernet Inputs	1 (Side)

Design Features

VESA® Hole Pitch (W x H)	400 x 400 mm / 15 3/4 x 15 3/4 inch

Environment Specifications

On-Mode Power Consumption (EPREL)	113 kWh/1000h
Power Consumption (in Standby)	0.5 W
Dynamic Backlight Control	Yes
Power Saving Mode	Yes

Certificates

EPEAT	TBD

Certificates

EMC	TBD

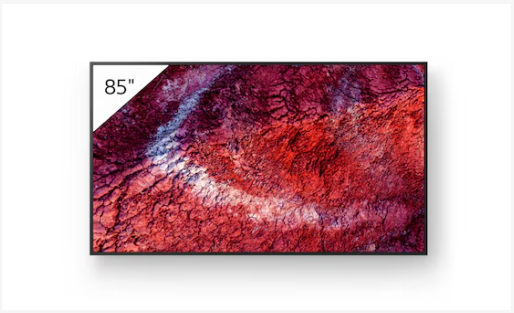
Measurements

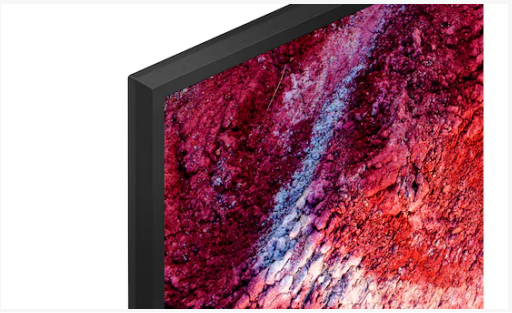
Dimension of TV without Stand (W x H x D)	Approx. 191.0 x 109.1 x 7.3 cm
Dimension of Package Carton (W x H x D)	TBD

Weight

Weight of TV without Stand	Approx. 41.5 kg
Weight of Package Carton (Gross)	TBD

Gallery





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