SONY

FW-55BZ40H

55" 4K Ultra HD HDR Professional Display

Overview

Present a better image for your business

Optimised for professional use, the slim, energy-efficient FW-55BZ40H combines bright 4K HDR image quality with easy operation, flexible networking/control and extensive integration options.

Every 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.

The FW-55BZ40H is designed for dependable 24/7 operation in 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.

Creating attractive digital signage is simple, mixing and displaying media files and online content with no need for additional hardware. The display's Android platform broadens control and customisation options, while a wide range of API (Application Programming Interface) options enable remote control/monitoring and integration with external systems.

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
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 right from an iPhone, iPad or Mac.

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

Versatile remote control
Control 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-55BZ40H 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.

Specifications

Display Features	
Dimming Type	Local Dimming
Display Device	LCD
Backlight Type	Direct (Full Array LED)
Brightness (cd/m2) (*1)	620 (Peak Brightness: 850 *1)
Contrast Ratio (*1)	6000:1
Dynamic Contrast Ratio	550000:1
Response Time (ms) (*1)	8

Video Specs

Wide Mode	Auto / Wide Zoom / Normal / Full / Zoom
4:3 Default	Yes
Video Processing	4K X-Reality PRO
Motionflow	X-Motion Clarity, Auto mode
Compatible with HDR	Yes (HDR10, HLG, Dolby Vision)
Video Signal	4096 x 2160p (24,50,60Hz), 3840 x 2160p (24,25,30,50,60Hz), 1080p (30,50,60,100,120Hz), 1080/24p, 1080i (50,60Hz), 720p (30,50,60Hz), 720/24p, 576p, 480p

Audio Specs

Speaker Position	Down Firing
Audio Power Output	10W + 10W

Network Specs

Wi-Fi direct	Yes
Wi-Fi Certified	Yes
DLNA	Home Network Client, Home Network Renderer
Miracast (screen mirroring)	Yes (only for B2B purpose)
Firmware Update	Yes
Wireless LAN	Integrated

Convenience Features

USB Play (contents)	MPEG1:MPEG1 / MPEG2PS:MPEG2 / MPEG2TS (HDV,AVCHD):MPEG2,AVC / MP4 (XAVCS):AVC,MPEG4,HEVC / AVI:Xvid,MotionJpeg / ASF (WMV):VC1 / MOV:AVC,MPEG4,MotionJpeg / MKV:Xvid,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
Chromecast Built-in	Yes
Apple AirPlay	Yes

Inputs and Outputs

HDCP	HDCP 2.3 (for HDMI 1 / 2 / 3 / 4)
Composite Video Input(s)	1 (Side)
HDMI™ Connection(s) (Total)	4 (4 Side)
Analog Audio Input(s) (Total)	1 (Side)
Digital Audio Output(s)	1 (Side)
USB	2 (Side)
Ethernet Connection(s)	1 (Side)

Design Features

Bezel Color	Black
Table Top Stand	Separate (assembly required)
VESA® Hole Spacing Compatible	Yes
VESA® Hole Pitch	300 mm x 300 mm

Eco and Energy Saving

Screen Size (measured diagonally)	55" (54.6")
Power Consumption (Rated / Standard)	173W
Annual Power Consumption	TBD
Power Consumption (in Standby)	[Jordan or UAE or Egypt]:0.50W, [Other]:0.5W
Peak Luminance Ratio	TBD
Lead content	Yes
Mercury content (mg)	0,0
Power Requirements	AC110V for Taiwan, AC220-240V for Others
Power Saving Mode / Back Light Off Mode	Yes
Dynamic Backlight Control	Yes
Light Sensor	Yes
AC Power Input	C8 INLET (REAR)

Regulatory approvals

Regulatory approvals *2	BSMI RCM

Measurements

Display Only (W x H x D) (Approx.)	1231 x 710 x 70 mm
Display with Stand (W x H x D) (Approx.)	1231 x 780 x 338 mm
Package Carton (W x H x D) (Approx.)	1350 x 836 x 162 mm

Weight

Display Only	16.5 kg
Display with Stand	17.5 kg
Package Carton	23 kg

Display Specifications

Viewing angle (Right/Left)	178 (89/89) degree
Viewing angle (Up/Down)	178 (89/89) degree
Display Resolution	QFHD
Aspect Ratio	16:9
OS	Android 9.0 Pie

Signage Specs

Easy HTML5 Signage Embedded	Yes
Multicast / IPTV	Yes

Control Specs

RS-232C Control	1 (Side)
Pro Mode	Yes
IP Control	Yes
HDMI Auto Wake-up	Yes

Notes

*1	Typical value of the panel specification

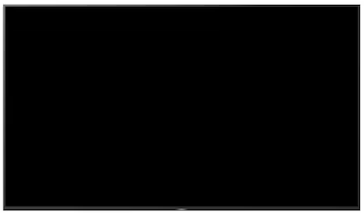
Notes

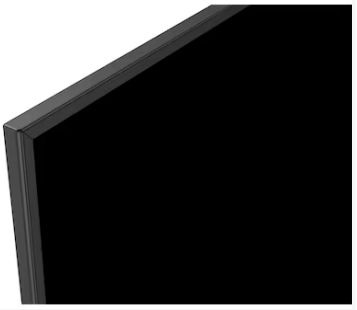
*2	The information on this page is current as of the date of publication. Please contact your local office for the latest information.

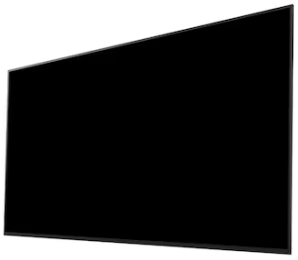
Further Information

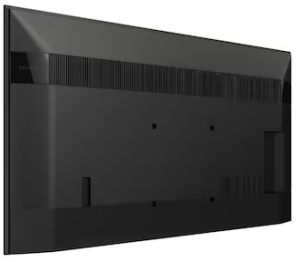
Product Information Sheet	https://eprel.ec.europa.eu/screen/product/electronicdisplays/347149

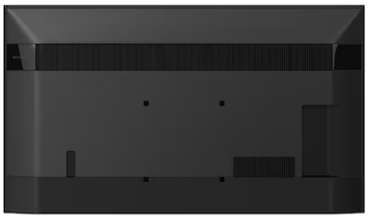
Gallery











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