

FW-49BZ35F

49" 4K HDR Professional Display



Overview

Optimised display for professional use - display a better, brighter image for your business

This slim, energy-efficient FW-49BZ35F professional display combines bright, beautiful 4K HDR image quality with easy operation, flexible networking/control and extensive integration options.

Ideally suited to professional use, the display takes full advantage of latest consumer television technologies to ensure vibrant 4K images. It's ideal for integration in corporate environments, with Pro mode to simplify installation and allow easy customisation of display settings to suit different applications and environments.

The display's intuitive built-in software platform broadens control and customisation options even further. It's easy to create attractive digital signage, mixing media files and online content with no need for additional player hardware. There's also a wide range of APIs (Application Programming Interface) options to enable remote control/monitoring and integration with external systems.

The FW-49BZ35F is ideal for a wide range of business and educational environments. Applications include meeting room

displays, information displays for lobbies and waiting rooms, digital signage, classroom displays, hotel guest room TV, security camera monitoring, guide displays for showrooms and museums, and information displays for sports stadiums, arenas and live venues.

Features

Optimised for professional use

The display meets the needs of a wide range of business applications, with flexible installation options plus wired and wireless network connection and serial communication control.

Versatile remote control

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

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.

Quick set-up with Pro Mode

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

Pro mode enables a detailed customisation for a variety of setting menus, which are available to meet your specific usage requirements.

One-step setting optimised for signage and meeting rooms

This tool instantly completes the necessary settings to optimise the signage or meeting room used.

In-built software platform

Powerful processing capabilities broaden control/customisation options and reduces total ownership costs.

Easily create digital signage

Integrated support for HTML5 makes it easy to produce compelling digital signage, with no extra hardware or prior training needed. Combine graphics, text, 4K video and live web content to create attractive signage in minutes.

Open API support

Compatibility with a wide range of web APIs broadens options for remote control/monitoring and integration with external systems.

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.

Clearer, more natural 4K images

Images are clearer, smoother and more natural with Sony's 4K X-Reality™ PRO picture processing technology. Advanced noise reduction techniques and a special pattern database ensure that every scene is packed with lifelike detail.

Compatible with 4K HDR

High brightness and dynamic contrast are ideal for displaying 4K HDR (High Dynamic Range) content, revealing previously-hidden details in the brightest highlights and areas of dark shadow.

Smooth, fluid on-screen action

Motionflow XR 960 ensures smoother, more natural reproduction of rapidly-moving images on screen.

Greater colours with TRILUMINOS Display

Our unique TRILUMINOS Display technology enhances your audience's viewing with a wider palette of rich, natural-looking colours.

Specifications

Display features

| | |
|----------------------------|---------------|
| Dimming type | Frame Dimming |
| Display device | LCD |
| Backlight type | Edge LED |
| Brightness (cd/m2) (*1) | 505 |
| Contrast Ratio (*1) | 5000:1 |
| Dynamic Contrast Ratio | 400,000:1 |
| Response Time (ms) (*1) | 8 |
| Operation time (*2) | 24/7 |
| Portrait Mode | Yes |

Video specs

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|------------------|---|
| Wide Mode | Wide zoom / Normal / Full / Zoom / 14:9 |
| 4:3 Default | Yes |
| Video Processing | 4K X-Reality PRO |
| Motionflow | Motionflow XR 960Hz (Native |

| | |
|---------------------|---|
| | 120Hz) |
| Compatible with HDR | Yes (HDR10, HLG) |
| Video Signal | 4096 x 2160p (24,60Hz), 3840 x 2160p (24,30,60Hz), 1080p (30,60Hz), 1080/24p, 1080i (60Hz), 720p (30,60Hz), 720/24p, 480p, 480i |

| 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 |
| Firmware update | Yes |
| Wireless LAN | Integrated |



Convenience features

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|---------------------|---|
| USB Play (contents) | MPEG1:MPEG1 / MPEG2PS:MPEG2 / MPEG2TS (HDV,AVCHD):MPEG2, AVC / MP4 (XAVC S):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) / WAV / MP4AAC / FLAC / JPEG |
|---------------------|---|

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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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| Google Cast | Yes |
|-------------|-----|

Inputs and outputs

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|------|-----------------------------------|
| HDCP | HDCP 2.2 (for HDMI 1 / 2 / 3 / 4) |
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|--------------------------|-----------------------------|
| Composite Video Input(s) | 1 (Rear Hybrid w/Component) |
|--------------------------|-----------------------------|

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|------------------------------------|-----------------------------|
| Component Video (Y/Pb/Pr) Input(s) | 1 (Rear Hybrid w/Composite) |
|------------------------------------|-----------------------------|

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|---------------------|--|
| HDMI™ Connection(s) | |
|---------------------|--|

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|----------------------------------|--|
| (Total) | 4 (3 Side, 1 Rear) |
| Analog Audio Input(s) (Total) | 1 (Rear) |
| Digital Audio Output(s) | 1 (Rear) |
| Audio Out | 1 (Side / Hybrid w/HP and Subwoofer Out) |
| USB | 3 (Side) |
| Ethernet Connection(s) | 1 (Side) |

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|----------------------------------|------------------------------|
| Design features | |
| Finish (Surface Color) | Black |
| Table Top Stand | Separate (assembly required) |
| VESA® Hole Spacing Compatible | Yes |
| VESA® Hole Pitch | 200 x 200 mm |
| Panel type (IPS / VA) | VA |
| Panel surface treatment | AG |
| Haze (%) | 2% |

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|---|--------------------------------|
| Bezel size (Top/Side/Bottom (mm)) | 9.3/9.8/18.4 |
| Bezel Material | Aluminium, only bottom is Mold |

Eco and energy saving

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|--|-------------|
| Screen size (measured diagonally) | 49" (48.5") |
| Power Consumption (Rated / Standard) | 145W |
| Power Consumption (in Standby) | 0.5W |
| Power Requirements | DC 19.5V |
| Power Saving Mode / Back Light Off Mode | Yes |
| Dynamic Backlight Control | Yes |
| Light Sensor | Yes |
| AC Power Input | AC ADAPTER |

Measurements

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|-----------------------|-----------------------------------|
| Display Only (W x H x | Approx. 1098 x 644 x 58 (17.2) mm |
|-----------------------|-----------------------------------|

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|--|-----------------------------|
| D) (Approx.) | |
| Display with Stand (W x H x D) (Approx.) | Approx. 1098 x 703 x 279 mm |
| Package Carton (W x H x D) (Approx.) | Approx. 1190 x 780 x 150 mm |

| Weight | |
|--------------------|------|
| Display Only | 13.2 |
| Display with Stand | 13.7 |
| Package Carton | 19 |

| 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 7.0 Nougat |

| Signage specs |
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| Easy HTML5 Signage embedded | Yes |
| Multicast / IPTV | Yes |

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| Control specs | |
| RS-232C Control | 1 (Side) |
| Pro Mode | Yes |
| IP Control | Yes |
| HDMI auto wake-up | Yes |

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|-------|---|
| Notes | |
| (*1) | Typical value of the panel spec. |
| (*2) | Guaranteed operating temperature range 0°C~35°C Please set the picture mode to "Standard" Image retention will occur if still picture is left displaying Decreasing brightness associated with the use time is typical |

Related products



WQ-BS1

Digital Signage application for 4K Professional Displays



NUCLeUS

The smart digital imaging platform for medical environments

Gallery



