

technical specifications
autostereoscopic 3D display device

D-FW43BZ35F_3D-A

V1.0 / 22.05.2019



records of revision

revision	date	revised	note
1.0	2019-05-22	Sigwart	initial release

1 General

The D-FW43BZ35F_3D-A is SONY standard 2D display device that has been modified in a way to become an autostereoscopic 3D-Display in landscape format, which provides spatial visualization without the need of glasses. To achieve spatial visualization, the 3D-Display needs to be driven with content that is prepared in special way.

following versions are available:

- D-FW43BZ35F_3D-A

2 Intended field of usage

The device is designed to demonstrate the effect and the quality of 3D Global's autostereoscopic 3D technology on a 43" sized 4k resolution sample display. Since this device is a modified standard 2D display, the original certifications (such as CE) might be affected, thus the device is intended for demonstration purposes only and shall not be sold as a commercial product without verifying required certifications.

3 Display specifications

Parameter	Value	Unit	Note
display size	108,2 (43") diagonal	cm	-
active area	946 (H) x 529 (V)	mm	-
native pixel count	3840 (H) x 2160 (V)	pixel	UHD
native pixel alignment	1 pixel =B+G+R subpixel vertical stripe	-	-
front surface	no protection lenticular aligned towards user	-	-

4 Optical Specifications

Parameter	Value	Unit	Note
max. brightness	250 (typ.)	cd/m ²	average of 5 points see note 4-1 see note 4-2
contrast ratio	3500:1 (typ.)	-	see note 4-1 see note 4-2
number of 3D views	8	-	-
optimal 3D viewing distance	175	cm	-
width of each 3D zone	45	cm	measured in ideal viewing distance
viewing angle horizontal	+60 / -60 (typ.)	deg	-
viewing angle vertical	+60 / -60 (typ.)	deg	-
native color depth per color	8	bit	16,7 M colors

optical characteristics measured in dark environment after 30 minutes of operation / PWM duty = 100%

Note 4-1

Refer to specification of underlying LCD-panel for details

Note 4-2

All views driven identical with 100% white

5 Electrical specifications

Parameter	Value	Unit	Note
power input	120-230V AC 50/60Hz	-	-
power consumption	80 (typ)	W	-
signal input	4 x HDMI	-	-

6 Mechanical specifications

Parameter	Value (approx.)	Unit	Note
device outer dimensions	965 x 569 x 60	W x H x D (mm)	w/o stand
	965 x 628 x 279		with stand
device weight	14,5	kg	w/o stand
	15		with stand

7 Environment specifications

Parameter	Value	Unit	Note
ambient temperature for operation	0 - +35	°C	-
ambient humidity	10%-80% No condensation		

8 Miscellaneous

Parameter	Value (approx.)	Unit	Note
package outer dimensions	1070 x 700 x 150	W x H x D (mm)	approx.
package weight	19	kg	-
delivered items	<ul style="list-style-type: none"> • Display device • External PSU with power cable • HDMI signal cable • Remote control 	-	-

For further information and detailed documentation of the underlying 2D LCD display, please check the SONY website:

https://pro.sony/de_DE/products/small-displays/fw-43bz35f#ProductSpecificationsBlock-fw-43bz35f

9 MPV 3D Player configuration

If the display is used with 3D Global's MPV 3D Player, please use the configuration file with

config code

A80