



23" Industrial Monitor

DuraVision® FDF2301-3D

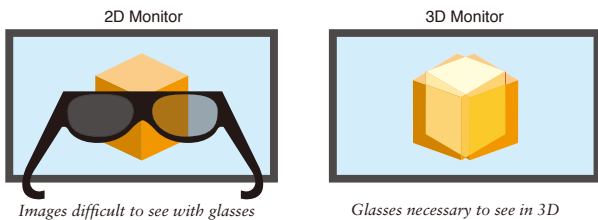


Full HD Naked-Eye 3D Monitor with EIZO Proprietary Technology

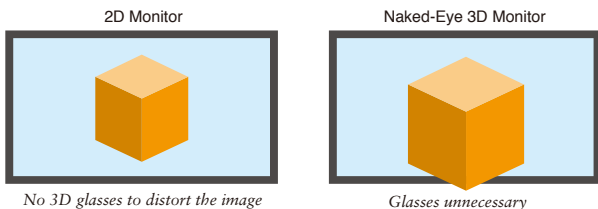
Glasses-Free 3D Monitor

The DuraVision FDF2301-3D produces stereoscopic (3D) images visible to the naked eye. In an industrial or academic environment where the FDF 2301-3D might be used for several hours at a time or in tandem with a 2D monitor, you can work without cumbersome 3D glasses.

Parallel Use of a 2D and 3D Monitor with Glasses



Parallel Use of a 2D and 3D Monitor without Glasses



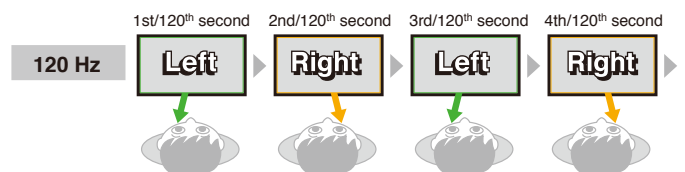
Full High-Definition Display

EIZO's directional backlight and a frame rate of 120 Hz display images in 3D at the panel's native resolution with 1920 horizontal dots. Because it can maintain the high-resolution horizontal dot pitch necessary for 3D display, the monitor produces realistic stereoscopic images with excellent depth perception.

Monitor Interior



The 3D image display mechanism of the elliptical mirror is EIZO-patented technology.



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No Moiré, Stripe Noise, or Pseudoscopic Images

The FDF2301-3D does not produce the moiré or stripe noise often seen with 3D monitors that require glasses. Furthermore, the pseudoscopic images that result when right and left parallax images invert depending on the viewing angle are also not an issue.

White LED Backlight

The white LED backlight is mercury free unlike a CCFL backlight and will have minimal impact on the environment when it is disposed of.



DVI-D 24-Pin and VESA Stereo Sync 3-Pin Connectors

One dual link and one single link DVI-D 24-Pin connector are included. In addition, a VESA Stereo Sync 3-pin connector is included. This connector synchronizes signals so right and left parallax images are displayed properly when outputted from a graphics board that also supports VESA Stereo Sync.



Large 23" Screen

With EIZO's patented elliptical mirror technology, the advantages of the directional backlight can be applied to a relatively large screen.

Compliance with Leading Standards

The DuraVision FDF2301-3D complies with many international standards including RoHS, CB, and the CE Mark.

SPECIFICATIONS

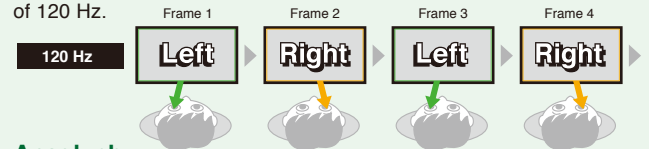
Model	DuraVision FDF2301-3D
Panel Size	23" / 58 cm (584 mm diagonal)
Contrast	1000:1
Native Resolution	1920 × 1080 (16: 9 aspect ratio)
Active Display Size (H × V)	509.8 × 286.7 mm
Pixel Pitch	0.2655 × 0.2655 mm
Display Colors	2.09 million (maximum)
Dot Clock	300 MHz (primary)
Digital Scanning Frequency (H, V)	31 – 136 kHz (primary), Single link: 59 – 61 Hz / Dual link 119 – 121 Hz (VGA Text 69 – 71 Hz) Interlace display not supported.
Video Input Terminals	DVI-D 24 pin × 2, VESA Stereo Sync 3pin × 1
Plug & Play	VESA DDC 2B
Tilt / Swivel	10° Up, 5° Down / 360°
Power Requirements	AC 100 – 120 V / 200 – 240 V, 50 / 60 Hz

3D Image Modes

In addition to a 120 Hz Frame Sequential mode, three other modes are included – Anaglyph, Dual Input, and Side-by-Side.

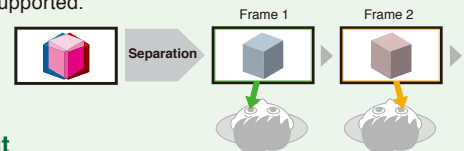
Frame Sequential

Right and left parallax images are alternately shown at a frame rate of 120 Hz.



Anaglyph

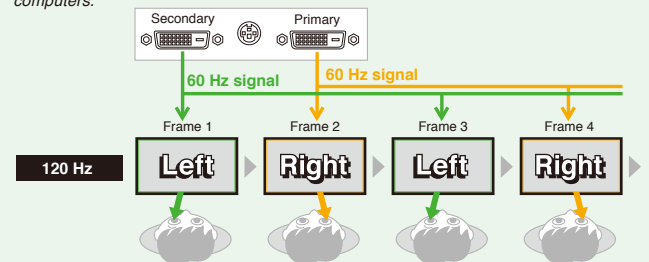
Monochrome images for the left and right eyes are combined as red and blue respectively and transmitted as color signals. The red and blue parts are then separated and converted to monochrome images and allocated as left and right parallax images. Frame rates of up to 60 Hz are supported.



Dual Input

When the right and left 3D signals are independent of each other, the two DVI-D 24-pin connectors on the monitor support dual input. The signals of right and left parallax images are transmitted by different cables. The frequency and resolution of the signals are the same and support refresh rates of up to 60 Hz.

The two DVI-D 24-pin connectors cannot be used for accepting signals from two computers.



Side by Side

The monitor receives right and left parallax images, splits them into two, doubles their size horizontally, and alternately displays them as right and left parallax images. Because the images are doubled in size horizontally, their horizontal resolution is halved. Frame rates of up to 60 Hz are supported.

Power Consumption	105 W (maximum)
Power Save Mode	Less than 8 W
3D Modes	Side by Side, Anaglyph, Frame Sequential, Dual Input
Power Management	DVI DMPM
User Adjustment	OSD Menu Position, Language options, Lamp Brightness, Reset, Brightness, Contrast, Digital Gain, Gamma, Color Temperature, Hue, Saturation, Color Reset, Key Lock
Dimensions (W × H × D)	650 × 566.3 × 283.8 mm
Net Weight	19.8 kg
Operating Temperature	0 – 35° C, 20 – 80% R.H. (No condensation)
Certifications and Standards	c-Tick, CE, CB, cTUVus, TUV/S, FCC-A, Canadian ICES-003-A, VCCI-A, RoHS, WEEE
Supplied Accessories	AC power cord, signal cables, setup guide, warranty card, user's manual
Warranty	Two Years



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