



EIZO RadiForce™ G21

2 MP monochrome monitor

The G21 is a 20.1-inch monochrome monitor, capable of processing both digital and analogue signals inputs, making it an ideal replacement for CRT monitors. Having brightness levels of up to 700 cd/m², the monitor is capable of accurate Colour-to-greyscale conversion. Calibration to specified colour curves such as DICOM, is performed directly by the inbuilt screen control firmware using a 10.5-bit Look-Up Table.

- Palette of 1531 greyscale tones for accurate monochrome display
- Sensor for constant brightness control
- Prepared for calibration, acceptance and consistency testing to DIN 6868-57 and QS-RL
- Digital and analogue signal input

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Features

Outstanding image quality

With a resolution of 1200 x 1600 pixels, a contrast ratio of 1000:1 and a maximum brightness of 700 cd/m², the G21 provides first-class image quality. An equally high level of grey-tone contrast is maintained in all areas of the image regardless of whether the user is sitting in front of the monitor or viewing it from the side, and regardless of viewing direction.

SlimEdge, Smart Space-Saving Design

The modern LCD module with extremely narrow bezels allows for a very compact case that makes the display no wider than 347 mm (landscape format). The bezel itself is only 19,5 mm wide, meaning that the screen never loses its symmetry, regardless of whether it is used for landscape or portrait format.

Very Stable Contrast

The unit continues to provide excellent, realistic contrast between a huge range of grey-scale values whether the observer is directly in front of the screen or off to the side, regardless of the picture area viewed and even if the angle of view changes.

Luminosity Control

A sensor (mounted invisibly behind the image plane) constantly monitors the luminosity. Defined or calibrated values are reproduced exactly just seconds after the monitor is switched on.

Satisfies DIN 6868-57

The device's display characteristics, particularly its brightness and contrast performance, make it capable of satisfying DIN 6868-57 display requirements for application categories A and B.

Digital and Analog Graphics Signals

The system can basically be used with any graphics card, either analogue or digital. The monitor can be supplied (at additional cost) with an optional digital graphics card. This can be used to drive up to two monitors simultaneously per card, in either portrait or landscape format.

Active Rotation

In order to reduce the processing load on the system, the screen has its own microchip to drive picture reproduction in landscape or portrait format. This increases performance for picture changes and moving images.

RGB-Mix-Mode (Colour-to-greyscale conversion)

Colour signals are converted into grey-scale values internally. The grey-scale values are acquired from all three colour signals, as opposed to just from green as is normally the case. The dynamic range of the whole signal is retained.

Screen Administrator

EIZO's Screen Administrator program can be accessed via the USB connector. Screen Administrator is an optional software package for asset management and remote control via a network.

Certification



Specifications

Diagonal	51 cm (20.1 inch) TFT LCD
Image display	2 MP, grey-scale
Display quality	Satisfies DIN 6868-57 norms for application categories A and B
Cabinet colour	Black
Image orientation	Landscape and portrait
Visible image size (W x H)	306 mm x 408 mm (portrait)
Visible diagonal	510 mm
Native resolution	1200 x 1600 pixels
Pixel distance	0.255 mm x 0.255 mm
Max. greyscale tones	1531 / 256 simultaneous (10,5/8 bit)
Greyscale calibration	Yes
Brightness stabilisation control	Yes
Max. brightness	700 cd/m ² (typical)
Max. contrast	1000:1 (typical)
Max. viewing angle	Horizontal: 170°; vertical: 170°
Features	SlimEdge case (bezel 19,5 mm), automatic picture size and position, on-screen display, PowerManager, integrated power supply
Adjustable settings	Contrast, brightness, image position, resolution
Horizontal frequency	Analog: 31.5 to 130 kHz Digital: 31.5 to 130 kHz
Vertical frequency	Analog: 50 to 85 kHz Digital: 60 Hz
Video bandwidth	Analog: 240 MHz Digital: 162 MHz
Video input	DVI-D
Power Management	DVI-DMPM
Power consumption	Max. 70 watts, 8 watts in Save mode, automatic switch-off
Dimensions (W x H x D)	347 mm x 497-579 mm x 209 mm (portrait with stand)
Weight	10,5 kg (with stand)
Swivel/tilt	35° right/left, 40° Up
Height adjustment	82 mm
Certification	TÜV GM, CE (EN 60601-1, EN 60601-1-2)
USB ports	1 upstream/2 downstream, Rev. 1.1
Accessories	Manual in German, English and French, power cable and signal cable
Warranty	3 years, subject to conditions
Recommended graphics card	Matrox MED2MP

With current LCD technology, a panel may contain a limited number of missing or flickering pixels

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