

Eizo RadiForce R31

20.8" Color LCD Monitor



10-bit Color Input Support

Each color (RGB) is supported with a 10-bit input compatibility that displays up-to 1,064,330,000 colors, providing highly-crisp resolution for 3D color rendering and image fusion. 10-bit color graphics board and 10-bit color viewer software needed for 10-bit color display.

Dual Link Input Support

With dual link input support, monitors achieved a clock frequency of 60 Hz even when displaying QXGA (1536 x 2048) resolution. This enables frame synchronization between the computer and the monitor, which reproduces a smooth moving picture without any dropping of frames.

Calibration Mode Selection

Selectable with the front panel buttons, the CAL Switch function allows for various calibration modes of different modalities such as CR, CT, and endoscope images. Furthermore, auto mode settings can be made with the Auto CAL Switch function.

Image Rotation

The Image Rotation function offers hardware-based switching between portrait and landscape mode. This eliminates the need for special software and does not compromise graphics performance.

Brightness Stabilization

At startup or upon wakeup, the EIZO patented drift correction function quickly stabilizes the brightness level. In addition, a sensor measures the backlight brightness and compensates for brightness fluctuations caused by the ambient temperature and the passage of time. This brightness stabilization function is EIZO patented technology (Japan patent numbers 3171808 and 3193315, US patent number 6188380).

Wide Viewing Angles

Viewing angles are 170° wide with minimal color shift when viewed from the side.

Backlight Saver

With ScreenManager Pro for Medical utility software installed, the Backlight Saver function allows for the monitor's backlight to turn off when the screen saver is activated and the monitor's backlight to turn on when the computer comes out of the screen saver mode. This function helps to reduce power consumption when the monitor is used for a prolonged period of time.

Ergonomic Design

Narrow bezels require less eye movement in a multi-panel environment. The height and pivot adjustable stand offers added flexibility and viewing comfort.

LCD Panel Protector

This anti-reflective panel protector is pre-attached to the monitor at production for protection against dust and scratches

Full 3-Year Warranty

EIZO and its authorized distributors offer a three-year limited warranty.

Brightness Stability Within Usage Time Guaranteed

EIZO's confidence in its product quality extends to brightness stability which is also covered during the usage time specified in the warranty.

Customer Assurance

Meets the strictest medical, safety and EMC emissions standards including TÜV/GM, UL60601-1, CE, CB, CSA C22.2 No.601-1, VCCI, FCC, and FDA 510(k).

ISO 13485 Certification

Acquiring ISO 13485 certification demonstrates EIZO's ability to consistently meet customer requirements for these devices and services.

Specifications

Cabinet Color	Black
Panel	53 cm (20.8") TFT Color LCD Panel (Dual Domain-IPS)
Active Display Size (H×V)	318×424mm
Viewable Image Size	Diagonal:529 mm
Native Resolution	2048×1536 (portrait)/1536×2048 (landscape)
Pixel Pitch	0.207 ×0.207mm
Display Colors	10-bit :1.06 billion (maximum) 8-bit :16.77million from a palette of 1.06 billion
Viewing Angles (H,V)	170° / 170°
Brightness	R31:400 cd/m ² /R31-C:350 cd/m ²
Recommended Brightness for Calibration	R31:250 cd/m ² /R31-C:220 cd/m ²
Contrast Ratio	400:1
Response Time	50ms (typical)
Scanning Frequency (H,V)	31-127 kHz, 59- 61Hz (VGA Text :69-71Hz, QXGA:36- 61Hz) Frame synchronous mode:59 - 61Hz
Dot Clock	215 MHz
Input Signals	DVI Standard 1.0
Input Terminal	DVI-D 24 pin
USB Ports	1 upstream, 2 downstream
USB Standard	Standard Rev. 2.0
Plug & Play	VESA DDC 2B
Power Requirements	AC100-120V, 200 -240V:50/60Hz
Power Consumption	110W
Power Save Mode	Less than 3W
Power Management	DVI DMPM
OSD Languages	English, German, French, Italian, Japanese, Spanish, Swedish
Height Adjustment Range	82mm
Pivot	90°
Tilt/Swivel	40°Up, 1°Down/35°Right, 35°Left
Dimensions (W×H×D)	With Stand:368×515.5 - 597.5 × 209mm Without Stand:R31 368 × 486 × 88.5mm/R31-C 368 ×486×90mm
Net Weight	With Stand:R31 9.2 kg/R31-C 10.0 kg Without Stand:R31 6.2 kg/R31-C 7.0 kg
Hole Spacing	VESA standard (100×100)
Certifications and Standards	CE (Medical Device Directive), TÜV/GM(EN60601-1), cTÜVus (UL2601-1, CSA C22.2 No. 601-1), CB (IEC60601-1), VCCI-B, FCC-B, Canadian ICES-003-A, FDA 510(k), CCC
Supplied Accessories	AC power cord, user's manual, Dual-Link signal cable (DVI-D~DVI-D), USB cable, EIZO LCD Utility Disk (ScreenManagerPro for Medical, ICC Profile), warranty registration card