

Features:**Make the Precise Diagnosis**

EIZO carefully measures and sets each and every grayscale tone to create a monitor compliant with DICOM Part 14. This ensures the most consistent shading possible, allowing you to make the most accurate diagnosis.

Manage Effortless Quality Control

An Integrated Front Sensor (IFS) housed within the front bezel measures brightness and grayscale tones and calibrates to the DICOM Part 14 standard. The hands-free IFS performs quality control tasks and does not interfere with the viewing area while in use. This dramatically cuts the workload and maintenance costs needed for maintaining monitor quality control.

Attain Steady Images Across the Screen

The Digital Uniformity Equalizer (DUE) function helps to even out fluctuations in brightness and chroma on different parts of the screen to provide smoother images, a quality typically difficult to attain due to the characteristics of LCD monitors.

Comfortably View from Any Angle

Wide viewing angles allow you to view the screen from the side with minimal color shift, also permitting more than one person to view the monitor comfortably at the same time.

Conserve Energy While Away

The presence sensor feature equipped with some models prompts the monitor to switch to power save mode when it detects you are away, and then resumes normal operation when you return. This ensures that the monitor conserves power when it is not in use, uniting convenience with savings.

Stay Confident with Stable Brightness

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

Internal Test Pattern Generator

The internal test pattern generator can be used to visually inspect image quality without attaching external hardware or installing QC software on the mammography workstation. This can be useful during the initial installation or on systems that prohibit users from installing software packages.

Warranty with Safety and Trust

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

Ensure Optimal Brightness at All Times



The Ambient Light Tracking (ALT) function with embedded ambient light sensor available with the GX540 continuously checks the lighting conditions of the room and automatically optimizes the monitor's brightness and grayscale tone to DICOM Part 14. This ensures consistently accurate images at all times.

Ensure Optimal Brightness at All Times

Maintain the Precision

Perform a simplified calibration compliant with DICOM Part 14 using the bundled RadiCS LE quality control software. RadiCS LE corrects the brightness and grayscale tones of the monitor to maintain image accuracy and consistency over time.

Maintain the Precision

View Accurate Images in Moments

The EIZO-patented drift correction function quickly stabilizes the brightness level of the monitor upon startup or wakeup from sleep mode, giving you the most accurate images quickly ready for viewing. In addition, a sensor measures the backlight brightness and automatically compensates for brightness fluctuations caused by ambient temperature and aging for a consistently stable display.

10-Bit Simultaneous Grayscale Display

10-bit (1,024 tones) simultaneous grayscale display extends grayscale fidelity to the boundaries of human visual perception abilities and helps radiologists discern the finest nuances within an image.

10-bit graphics board and 10-bit viewer software needed for 10-bit display.

Select the Ideal Mode for Modalities

The CAL Switch function allows you to choose various modes for different modalities such as CR, CT, and endoscopy. It can be conveniently accessed using the monitor's front panel buttons to easily switch to optimal image viewing conditions.

Improve Operability

EIZO's highly versatile stand offers tilt, swivel, and a wide height adjustment range, enabling you to use the monitor with greater comfort.

Digital Mammography Monitor Quality Control Standards Compliance

EIZO's easy-to-use RadiCS UX1 quality control tool (sold separately) performs precise calibration conforming to DICOM Part 14 and enables quality control complying with ACR Practice Guideline and other QC standard for digital mammography monitors.

RadiCS compatible QC Standards for Digital Mammography Monitor

Rest Assured with Medical Qualifications

The monitors meet the strictest medical, safety, and EMC emission standards.

Specifications:

Model Variations GX540-CL: Clear Base

GX540-CL-P: Pairing

Cabinet Color Black

Panel

Type Monochrome (IPS)

Backlight LED

Size 54 cm / 21.3"

Native Resolution 2048 x 2560 (4:5 aspect ratio)

Viewable Image Size (H x V) 337.9 x 422.4 mm

Pixel Pitch 0.165 x 0.165 mm

Grayscale Tones 10-bit (DisplayPort) : 1,024 from a palette of 16,369 tones

8-bit: 256 from a palette of 16,369 tones

Viewing Angles (H / V, typical) 176° / 176°

Brightness (typical) 1,200 cd/m²

Recommended Brightness for Calibration 500 cd/m²

Contrast Ratio (typical) 1200:1

Response Time (typical) 25 ms (on / off)

Video Signals

Input Terminals DVI-D (dual link) x 1, DisplayPort x 1

Digital Scanning Frequency (H / V) 31 - 135 kHz / 24 - 61 Hz

Frame synchronous mode: 24.5 - 25.5 Hz, 49 - 51 Hz

USB

Function 1 upstream, 2 downstream

Standard USB 2.0

Power

Power Requirements AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz

Maximum Power Consumption 108 W

Typical Power Consumption 47 W

Power Save Mode Less than 0.7 W

Power Management DVI DMPM, DisplayPort 1.1a

Sensor Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor

Features & Functions

Brightness Stabilization Yes

Digital Uniformity Equalizer Yes

Preset Modes CAL Switch

OSD Languages English, German, French, Italian, Japanese, Simplified

, Spanish, Swedish, Traditional

Physical Specifications

Net Weight 11.5 kg

Net Weight (Without Stand) 8.8 kg

Hole Spacing (VESA Standard) 100 x 100 mm

Certifications & Standards (Please contact EIZO for the latest information.) CE (Medical



Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3 (B), RCM, RoHS, China RoHS, WEEE, CCC, EAC

FDA 510(k) Clearance Yes (for Breast Tomosynthesis, Mammography, and General Radiography)

Supplied Accessories (May vary by country. Please contact EIZO for details.) AC power cord, signal cables (DVI-D - DVI-D [dual link supported], DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual)

Warranty Five Years

Dimension Drawing PDF