



CRYSTAL CLARITY IN EVERY PIXEL

5MP 21.3 inch* High-Precision Diagnostic Monitor

MD52G



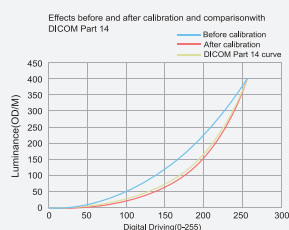
Precision You Can Trust – Engineered for Diagnostic Accuracy

The MD52G is a 21.3-inch 5MP (2048×2560) grayscale medical display featuring an IPS panel, DICOM Part 14 calibration, and a high brightness of up to 3000 cd/m². It delivers outstanding image accuracy and consistency for demanding diagnostic environments.

Equipped with advanced image modulation technology, the MD52G ensures precise grayscale rendering and enhances visibility of subtle details such as micro-calcifications and soft tissue structures. Its high luminance and contrast ratio support confident diagnoses in breast imaging, digital radiography, and comprehensive PACS applications. This display is an ideal solution for radiologists who require reliability, clarity, and long-term performance.

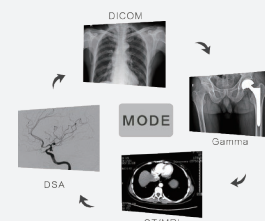
DICOM Auto Calibration

Built-in DICOM-QC system automatically detects and adjusts the grayscale curve to meet DICOM Part 14 standards within $\pm 5\%$ deviation.



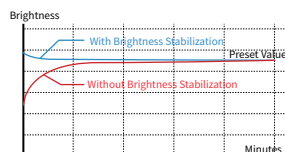
Multiple Display Modes

Preconfigured with multiple DICOM grayscale modes for DR, CT, MRI, and DSA, allowing flexible adjustment based on individual viewing preferences.



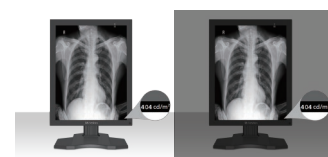
CBS Luminance Stabilization

Innovative CBS system automatically compensates for brightness degradation, ensuring long-term image stability and diagnostic precision.



Ambient Light Compensation

Automatically adjusts screen brightness based on surrounding light to meet DICOM standards, improve diagnostic accuracy, and reduce eye strain.



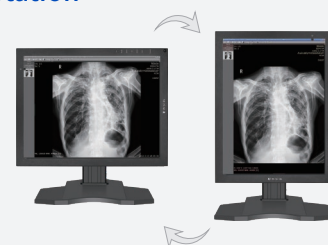
One-touch Film viewing

Quickly switch to film viewing mode via the “EXIT” button on the OSD menu, allowing radiologists to easily view traditional film images.



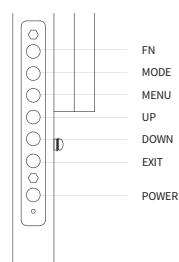
Auto Portrait/Landscape Rotation

Built-in G-sensor enables automatic screen orientation when rotating between portrait and landscape modes.

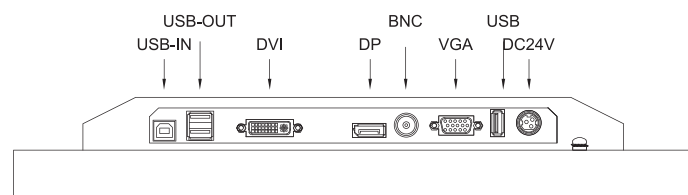


User-Friendly Control Panel and Wide Range of Connectors

Multiple input options for flexible integration with various systems.



FN	Hotkey to choose signal
MODE	Hotkey to switch gamma mode
MENU	Menu key/ Key lock (Long press)
UP	Hotkey to choose up/ Adjust contrast ratio
DOWN	Hotkey to choose down/ Adjust brightness
EXIT	Exit/ Film viewer
POWER	Power switch



Specifications

21.3 " Diagnostic Monitor -- MD52G

PICTURE PERFORMANCE

Active Screen Size	21.3 inches(54.102cm)
Pixel Pitch (H x V)	0.165mm x 0.165mm
Resolution (H x V)	2560×2048
Grayscale depth	12bit
Aspect Ratio	5:4
Backlight	LED
Panel Technology	TFT
Luminance (Panel Specification)	500 cd/m ² (default)
Contrast Ratio	2500:1
Response Time	30ms (TYP)
Viewing Angle (Panel Specification)	176° V. / 176° H.
GAMMA	GAMMA1.8, GAMMA2.0, GAMMA2.2, GAMMA2.4, RX1, RX2, CRT, DSA, DSI, CT/MRI, DICOM350, DICOM400, DICOM450, DICOM500, DICOM600, LINEAR

INPUT

DVI INPUT	DVI connector (x1)
DP INPUT	DP connector (x1); DP 1.4
VGA INPUT	VGA Connector (x1)
BNC INPUT	BNC Connector (x1), compatible SOG
USB INPUT	USB connector (x1),USB-IN connector(x1)

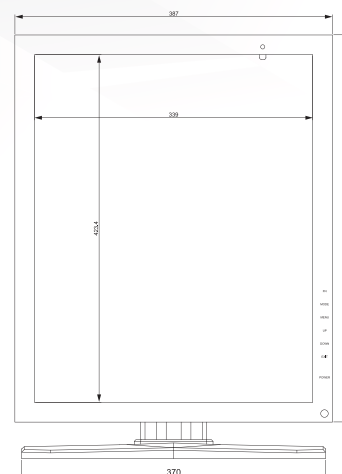
OUTPUT

USB OUTPUT	USB connector (x1)
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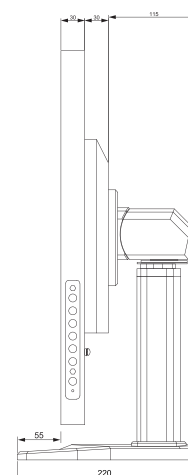
GENERAL

Power Requirements	DC 24V 5A
Power Consumption	80W (MAX)
Operating Temperature	0°C~40°C
Operating Humidity	10% to 80% (no condensation allowed)
Storage/Transport Temperature	-20°C~50°C
Storage/Transport Humidity	10% to 90% (no condensation allowed)
Dimensions(without Stand)	387(W)x471.4(H)x60(D)mm
Weight (without Stand)	6.5±0.5KG
Weight	9.5±0.5KG
Mounting	VESA 100x100mm
Structural Appearance	Black Metal Shell
Application	Mammography / PACS Diagnosis Workstation / Radiology Diagnosis
Supplied Accessories	LCD display (x1), Certificate (x1), Warranty card (x1), Power Adapter (x1), Power Cable (x1), Packing list (x1), DVI cable (x1), Graphics Card (x1), VGA cable (x1), DVI to VGA adapter (x1)

FRONT



SIDE



BACK

