



PREMIUM DISPLAY SOLUTIONS FOR HOSPITAL ADMINISTRATORS

12MP 31 inch High-Precision Diagnostic Monitor
MD120C



Premium Diagnostic Display for Modern Healthcare

The MD120C is a 31-inch medical diagnostic monitor with ultra-high 4200 × 2800 (12MP) resolution, delivering exceptional clarity for clinical reading. It supports both color and grayscale images, with gamma rendering for color and full DICOM Part 14 compliance for image accuracy.

The display supports a wide range of viewing modes, including single, dual, triple, quad, and multi-screen layouts—up to 8 screens simultaneously. Each window can be individually set for gamma and color temperature, ensuring precise comparison. Perfectly suited for mammography systems and PACS workstations.

Fit for Mammography

With the dual-screen function, a single monitor can simultaneously display left and right breast images, effectively replacing two 5MP diagnostic displays.



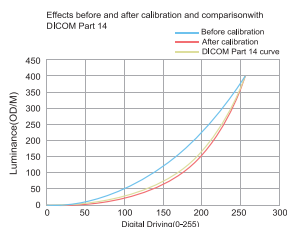
Multi-channel Independent Display

View up to four imaging sources simultaneously, each with independent adjustment of brightness, gamma, and color temperature, for faster and more accurate diagnosis.



DICOM-QC Auto Calibration

Automatic DICOM curve detection and real-time adjustment to meet DICOM Part 14 standards within $\pm 5\%$ deviation.



CBS Luminance Stabilization

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



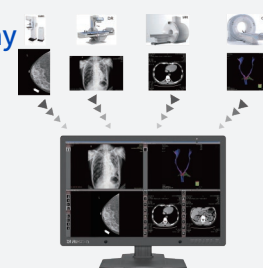
Ambient Light Compensation

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



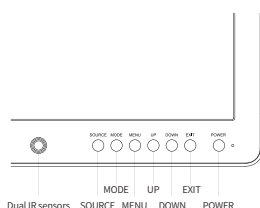
Multi-channel Independent Display

Supports up to 8 split screens, independent multi-signal display, and one-click switching between single, dual, triple, quad, multi-screen display modes.

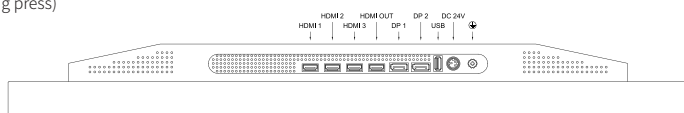


User-Friendly Control Panel and Wide Range of Connectors

The MD120C features an intuitive user interface and supports smooth integration with mammography systems, PACS workstations, and a wide range of imaging modalities.



| | |
|---------------|--|
| SOURCE | One-touch single/ Dual screen switch |
| MODE | Gamma mode (Short press)/ Resolution display(Long press) |
| 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

31 " 12MP Diagnostic Monitor --MD120C

PICTURE PERFORMANCE

| | |
|-------------------------------------|---|
| Active Screen Size | 31inches(78.74cm) |
| Pixel Pitch (H x V) | 0.1554mm x 0.1554mm |
| Resolution (H x V) | 4200×2800 |
| Color Depth | 12 Bit |
| Aspect Ratio | 3:2 |
| Backlight | LED |
| Panel Technology | TFT |
| Luminance (Panel Specification) | 450 cd/m ² (default) |
| Contrast Ratio | 1500:1 |
| Colors Approx | 68.7 billion colors |
| Response Time | 14ms (TYP) |
| Viewing Angle (Panel Specification) | 178° V. / 178° H. |
| GAMMA | GAMMA1.8,GAMMA2.0,GAMMA2.2,GAMMA2.4,RX1,RX2, CRT,DSA,DSI,CTMRI,DICOM350,DICOM400,DICOM450, DICOM500,DICOM600,LINEAR |

INPUT

| | |
|------------|------------------------------|
| HDMI INPUT | HDMI connector (x3); HDMI1.4 |
| DP INPUT | DP connector (x2); DP1.4 |
| USB INPUT | USB connector (x1); |

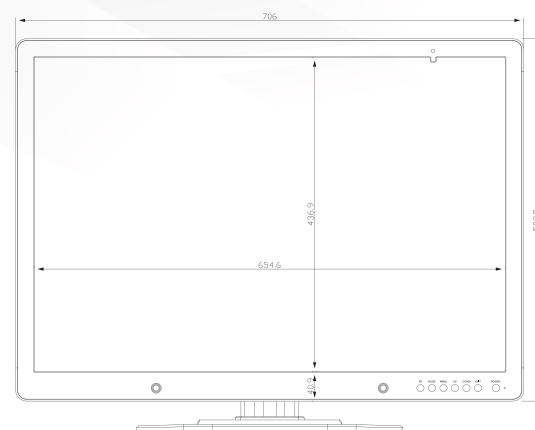
OUTPUT

| | |
|-------------|------------------------------|
| HDMI OUTPUT | HDMI connector (x1); HDMI1.4 |
|-------------|------------------------------|

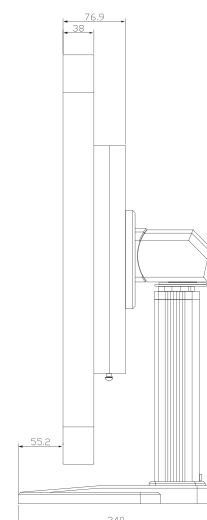
GENERAL

| | |
|-------------------------------|--|
| Power Requirements | DC 24V 9.2A |
| Power Consumption | 120W (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) | 706.0(W)x503.5(H)x76.9(D)mm |
| Weight (without Stand) | 12.6±0.5Kg |
| Weight | 15.9±0.5KG |
| Mounting | VESA 100x100mm |
| Structural Appearance | Black Aluminum Bezel |
| Application | Mammography & Breast Tomosynthesis/ Remote Medical Consultation/ Multimodality Diagnostic Imaging/ Radiology & PACS Workstations/ Expert Desktop/ Oncology & Orthopedic Review |
| Supplied Accessories | LCD display (x1), Certificate (x1), Warranty card (x1), Power Cable (x1), Power Adapter (x1), DP cable (x2), Packing list (x1), Graphics Card (x1) |

FRONT



SIDE



TOP

