



Dome E3

Diagnostic-quality.

DICOM calibrated.

FEATURES:

- > 4th generation DA⁴ hardware provides high-speed performance, smoother window-leveling, & 12-bit capability
- > Protective glass option
- > 800 cd/m² luminance
- > 700:1 contrast ratio
- > Dual Link
- > Open-architecture design

The Dome E3 grayscale display is intended for diagnostic imaging for CT, MR, CR, DR, and nuclear and can be used in both portrait and landscape modes. The Dome E3 display supports an open architecture design which allows users to gain access to state-of-the-art graphics standards, providing the capability of high-speed 3D and volumetric rendering for navigation and visualization functionality. Dome CXtra Software provides full DICOM conformance testing capabilities, reporting, and remote management, making this an ideal display for your PACS system.



> Available in single and dual head systems



> Supported by Dome CXtra Software to ensure DICOM conformance



*All Dome EX displays come with Dome CXtra software. Dome Dashboard Software available as an option.

Medical Visualization Technologies



SPECIFICATIONS:	
LCD Display	
Technology	TFT AMLCD Dual Domain IPS with Advanced Fringe Field Switching, 3 subpixels per pixel
Screen Size (Diagonal)	20.8-inch (528.3 mm)
Display Resolution (pixels)	1536 x 2048 Portrait, 2048 x 1536 Landscape
Pixel Pitch	207µm, 123 dpi
Viewing Angle (CR 10:1)	+/- 85° (170°) horizontal and vertical
Response Time	35 ms typical
Optical Characteristics	
Brightness	Typical: 800 cd/m ² Default Calibrated: 500 cd/m ²
Contrast Ratio	700:1 – typical
Palette	3061 unique shades of gray
DICOM calibration	Calibration continually verified by Dome CXtra™
Panel Interface/Connectivity	
Digital Video Input	Dual Channel DVI (Dual Link)
Analog Video Input	Not Applicable
Digital Communication & ID	DDC2B+EDID
USB interface	Built-in USB 1.1 Hub, one upstream port, two downstream ports
Video Input Formats	
Landscape Orientation	2048 x 1536, 8, 10-bit* Gray, 24-bit True Color
Portrait Orientation	1536 x 2048, 8, 10-bit* Gray, 24-bit True Color
VGA to XGA/SXGA	640 x 480 to 1024 x 768, 1280 x 1024 displayed portrait and landscape
Calibration	
Technique	LCD panel individually characterized and calibrated at factory, DICOM calibration verification performed via RightLight™ (internal photometer) and Dome CXtra™
Test Standards	AAPM TG18 Report No. 03, DIN 6868-57:2000
Calibration Type	DICOM Grayscale, 256 shades of gray
Imaging/Graphics Controller	
Compatible Controller Support	DX2, AX5, NX1500
Physical Characteristics	
Display Size (without stand)	18.7" H x 14.5" W x 4" D (475mm x 368mm x 96mm)
Weight (without stand)	14 lbs (6.35 kg)
Mounting Options	Compatible with 100mm VESA-compliant mounting standards
Power Requirements	
Power Input	100 to 240 VAC, Frequency of 50-60 Hz single phase, Less than 75 watts (typical)
Environmental	
Operating Temperature Range	10 to 40 degrees C
Certifications	
Medical	FDA 510(k)
Safety and Emission	CSA, EN60601-1, FCC, CE, CCC, TUV-GM, SEMKO, VCCI, MIC, BSMI, C-Tick
Service and Support	
Warranty	5-year standard warranty

(Specifications may vary based on specific customized solution requirements.)

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