



**Dome E2c**  
Diagnostic-quality.  
DICOM calibrated.

**FEATURES:**

- > High-bright color
- > Open architecture design
- > Automatic DICOM calibration
- > 21.3-inch screen
- > 500 cd/m<sup>2</sup> luminance
- > 600:1 contrast ratio

The Dome E2c is ideal for diagnostic viewing in PACS workstations, modality review, and multi-specialty clinical such as surgical OR, ER and ICU. The Dome E2c's highbright backlight technology and offers completely automatic and continuous DICOM conformance. With the flexibility of color and DICOM calibrated grayscale, the affordable Dome E2c eliminates the need to switch displays by providing the ability to perform multi-modality studies, fusion studies and 3-D rendered image readings on the same panel.



> Supported by Dome CXtra Software to ensure DICOM conformance



> Enhances visualization of 2-D color images, fusion images and 3-D reconstruction images



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

Medical Visualization Technologies



<b>SPECIFICATIONS:</b>	
<b>LCD DISPLAY</b>	
Technology	TFT AMLCD SPVA, 3 subpixels per pixel
Screen Size (diagonal)	21.3-inch (541.02 mm)
Display Resolution (pixels)	1200 x 1600 portrait, 1600 x 1200 landscape
Pixel Pitch	270µm, 94 dpi
Viewing Angle (CR 10:1)	± 85° (170°) horizontal and vertical
Response Time	16/16 ms typical
<b>Optical Characteristics</b>	
Brightness	Typical: 600 cd/m <sup>2</sup> Default Calibrated: 500 cd/m <sup>2</sup>
Contrast Ratio	600:1 typical
Palette	1786 unique shades of gray
DICOM Calibration	Calibration continually verified by Dome Cxtra™
<b>Panel Interface/Connectivity</b>	
Digital Video Input	DVI Revision 1.0 single data connector
Analog Video Input	VGA, S-Video, composite
Digital Communication & ID	DDC2B+EDID
USB Interface	Built-in USB1.1 Hub, One upstream port, two downstream ports
<b>Video Input Formats</b>	
Landscape Orientation	1600 x 1200, 24-bit color per pixel
Portrait Orientation	1200 x 1600, 24-bit color per pixel
VGA to XGA/SXGA	640 x 480 to 1024 x 768, 1280 x 1024 displayed in portrait and landscape
<b>Calibration</b>	
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
<b>Imaging/Graphics Controller</b>	
Compatible Controller Support	AX4, NX1500
<b>Physical Characteristics</b>	
Display Size (without stand)	19" H x 14.75" W x 4" D (482.6mm x 374.65mm x 102mm)
Weight (without stand)	Less than 12 lbs (5.44 kg)
Mounting Options	Compatible with 100 mm VESA-compliant mounting standards, desktop stand
<b>Power Requirements</b>	
Power Input	100 to 240 VAC, Frequency of 50-60 Hz single phase, Less than 120 watts (typical)
<b>Environmental</b>	
Operating Temperature Range	10 to 35 degrees C
<b>Certifications</b>	
Medical	FDA 510(k)
Safety & Emission	CSA, EN60601-1, FCC, CE, CCC, TUV-GM, VCCI, C-Tick
<b>Service and Support</b>	
Warranty	5-year standard warranty

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

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