



Dome E3c
Diagnostic-quality.
DICOM calibrated.

FEATURES:

- > 4th generation DA⁴ hardware provides high-speed performance, smoother window-leveling, & 12-bit capability
- > Open-architecture design
- > 400 cd/m² luminance
- > 400:1 contrast ratio
- > Dual Link

The Dome E3c offers 3 MP high-bright color or grayscale imaging with DICOM conformance. The Dome E3c is intended for use as a diagnostic display in radiology, cardiology, and in the OR. With its high-bright color, the Dome E3c enhances visualization of 2-D color images, fusion images and 3-D reconstruction images. The Dome E3c offers the flexibility of color and DICOM-calibrated grayscale in a 3 MP display without the need to switch panels for multi-modality readings.



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



> 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, 3 subpixels per pixel
Screen Size (Diagonal)	20.8-inch (528 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	50 ms max
Optical Characteristics	
Brightness	Typical: 400 cd/m ² Default Calibrated: 350 cd/m ²
Contrast Ratio	400:1 – typical
Palette	2041 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-bit and 24-bit color per pixel)
Portrait Orientation	1536 x 2048 (8-bit and 24-bit color per pixel)
VGA to XGA/SXGA	640 x 480 – 1280 x 1024 displayed in both Portrait and Landscape
Calibration	
Technique	Panel individually characterized and calibrated at factory, DICOM calibration validation performed via RightLight™ and Dome CXtra™
Test Standards	AAPM TG18 Report No. 03, DIN 6868-57:2000
Calibration Type	DICOM Grayscale
Imaging/Graphics Controller	
Compatible Controller Support	DX2, AX5, NX1500
Physical Characteristics	
Display Size (without stand)	18.7" H x 14.5" W x 4.0" D (475mm x 369mm x 102mm)
Weight (without stand)	Less than 15 pounds (6.35Kg)
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 60 watts (typical)
Environmental	
Operating Temperature Range	10 to 35 degrees C
Certifications	
Medical	FDA 510(k)
Safety and Emission	CSA, EN60601-1, FCC, CE, CCC, TUV-GM, SEMKO, VCCI, MIC, C-Tick
Service and Support	
Warranty	5-year standard warranty

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

North American Corporate Offices

5750 Hellyer Avenue
San Jose, CA 95138
USA
Tel: 408.776.0085
Email: info@ndssi.com

U.S. East Coast Office

Dome Products
400 Fifth Avenue
Waltham, MA 02451
Phone: -781-895-1155
Fax: 781-895-1133
Email: info@ndssi.com

European Offices

Nijverheidscentrum 28
2761 JP Zevenhuizen (ZH)
The Netherlands
Tel: 31 180 63 43 56
Email: info@ndssi.nl

Asia Pacific Offices

1st Fl., RISE Building,
5-13, Asakusabashi 5-Chome,
Taito-Ku, Tokyo, Japan, 111-0053
Tel: 81 3 6420 3031
Email: info@ndssi.jp

© 2008, NDS Surgical Imaging.
Products may not be available in all markets and are subject to the regulatory or medical practices that govern individual markets. Always refer to the package insert, product label and/or user instructions before using any NDSsi product. Contact your NDSsi representative for more information. Products referenced with ™ designation are trademarks of NDSsi. Products referenced with ® designation are registered trademarks of NDSsi.

