



Dome E2

Diagnostic-quality.

DICOM calibrated.

FEATURES:

- > 4th generation DA⁴ hardware provides high-speed performance, smoother window-leveling, & 12-bit capability
- > Open-architecture design
- > Protective glass option
- > 900 cd/m² luminance
- > 600:1 contrast ratio

The Dome E2 grayscale displays offer a cost-effective imaging solution ideal for use in CT and MR. The Dome E2 offers open architecture support for faster display performance and allows for seamless integration of future enhancements. With a flexible architecture that provides users the ability to gain access to state of the art graphics standards that are available today, the Dome E2 is an ideal choice for a distributed PACS environment. Dome CXtra software provides the Dome E2 with continuous automatic calibration and ensures DICOM conformance.



> Available in single or dual head systems



> High-resolution 2 Megapixel display.



*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)	19.6-inch (498mm)
Display Resolution (pixels)	1200 x 1600 portrait, 1600 x 1200 landscape
Pixel Pitch	249µm, 102 dpi
Viewing Angle (CR 10:1)	+/- 85° (170°) horizontal and vertical
Response Time	40 ms typical
Optical Characteristics	
Brightness	Typical: 900 cd/m ² Default Calibrated: 500 cd/m ²
Contrast Ratio	600:1 – typical
Palette	3061 unique shades of gray
DICOM calibration	Calibration continually verified by Dome CXtra™
Panel Interface/Connectivity	
Digital Video Input	Single data channel DVI connector, Revision 1.0
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	1600 x 1200, 8-bit and 24-bit per pixel
Portrait Orientation	1200 x 1600, 8-bit and 24-bit per pixel
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, NX1500
Physical Characteristics	
Display Size (without stand)	17.3" H x 13.5" W x 3.75" D (440mm x 343mm x 95mm)
Weight (without stand)	12 lbs (5.5kg)
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.)

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.

