



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
- > 1140 cd/m² luminance
- > 850:1 contrast ratio
- > Fanless Passive Cooling

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 to quad 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: 1140 cd/m ² Default Calibrated: 600 cd/m ²
Contrast Ratio	850:1 – 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	Reference Dome Board linecard for up to date board compatibility
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	CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, SEMKO, VCCI, KCC, BSMI, RoHS
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

Takanawa Kaneo Bldg., 6F
3-25-22 Takanawa
Minato-ku Tokyo 108-0074
Japan
Tel: +81-3-5475-1835
Fax: +81-3-5475-2835
Email: info@ndssi.jp

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