



Dome E5

Diagnostic-quality.
DICOM calibrated.

FEATURES:

- > 10-bit capable with open-architecture design
- > Protective glass option
- > 750 cd/m² luminance
- > 800:1 contrast ratio
- > Dual Link
- > Fanless Passive Cooling

The Dome E5 grayscale display is intended for the most demanding diagnostic applications, including mammography and radiology, in both portrait and landscape modes. The Dome E5 display provides seamless image manipulation and smooth window leveling, and supports open architecture graphics standards for three-dimensional and volumetric rendering applications. With full DICOM conformance, automatic calibration, and remote monitoring and maintenance, the Dome E5 is ideal for the most demanding PACS.



> Available in single to quad head systems



> Superb contrast ratio and viewing angle

SPECIFICATIONS:	
LCD DISPLAY	
Technology	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel
Screen Size (diagonal)	21.3" (540.9mm)
Display Resolution (pixels)	2048 x 2560 portrait, 2560 x 2048 landscape
Pixel Pitch	165µm and 154 dpi
Viewing Angle (CR 10:1)	± 85° (170°) horizontal and vertical
Response Time	50 ms typical
Optical Characteristics	
Brightness	Typical: 750 cd/m ² Default Calibrated: 500 cd/m ²
Contrast Ratio	800:1 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 USB1.1 Hub, One upstream port, two downstream ports
Video Input Formats	
Landscape Orientation	2560 x 2048, 8, 10-bit* Gray, 24-bit True Color
Portrait Orientation	2048 x 2560, 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, 8-bit 256 shades of gray/10-bit 1024 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)	18.5" H x 15.2" W x 4.1" D (470mm x 387mm x 103mm)
Weight (without stand)	14 lbs (6.35 kg)
Mounting Options	Compatible with 100 mm 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 35 degrees C
Certifications	
Medical	FDA 510(k)
Safety & 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

© 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.