



# Dome® Color Medical Imaging Displays

Make the *Right Choice*.



	Dome S3c	Dome E2cHB	Dome E3cHB	Dome E4c	Dome GX2MP
<b>LCD CHARACTERISTICS</b>	<i>Coming Soon</i>				
Technology	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel
Screen Diagonal	21.3" (541mm)	19.6" (498mm)	21.3" (541mm)	29.8" (756mm)	20.1" (511mm)
Display Resolution	1536 x 2048 Portrait 2048 x 1536 Landscape	1200 x 1600 Portrait 1600 x 1200 Landscape	1536 x 2048 Portrait 2048 x 1536 Landscape	2560 x 1600 Landscape	1600 x 1200 Landscape 1200 x 1600 Portrait
Pixel Pitch	212µm, 120 DPI	249µm, 102 DPI	212µm, 120 DPI	251µm, 101 DPI	255µm, 100 DPI
Viewing Angle	170° horizontal and vertical	170° horizontal and vertical	170° horizontal and vertical	170° horizontal and vertical	178° horizontal and vertical
Response Time	24 ms typical	50 ms typical	24 ms typical	16 ms typical	16 ms typical
<b>OPTICAL CHARACTERISTICS</b>					
Brightness	800 cd/m <sup>2</sup> typical	800 cd/m <sup>2</sup> typical	800 cd/m <sup>2</sup> typical	370 cd/m <sup>2</sup> typical	300 cd/m <sup>2</sup> typical
Default Calibrated	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>	
Contrast Ratio	750:1 typical	700:1 typical	750:1 typical	700:1 typical	800:1 typical
DICOM LUT	2041 shades of gray	2041 shades of gray	2041 shades of gray	1786 shades of gray	1786 shades of gray
DICOM Characterization	LCD panels individually factory characterized with a NIST-traceable photometer. Characteristic data is stored in the display and remains available throughout the product life.				Average characteristic curve applied
DICOM Calibration	DICOM calibration performed by Dome CXtra™ using the RightLight™ internal photometer and automatically maintained for the life of the display.				DICOM calibration performed by Dome CXtra™ using DICAL
DICOM Conformance Testing	DICOM conformance maintained by RightLight™ internal photometer. Automated conformance testing through RightCheck front sensor.	DICOM conformance maintained by RightLight™ internal photometer. Independent conformance testing using Dome CXtra™ with an external photometer.			Independent conformance testing using Dome CXtra™ with an external photometer
<b>PANEL CONNECTIVITY</b>					
Video Input	DisplayPort 1.1 and Dual Link DVI-D	DVI-D	Dual Link DVI-D	Dual Link DVI-D	DVI-D and VGA
Pixel Data Sizes	8-bit, 16-bit, 24-bit, and 30-bit per pixel color	8-bit, 16-bit, and 24-bit per pixel color	8-bit, 16-bit, and 24-bit per pixel color	8-bit, 16-bit, and 24-bit per pixel color	8-bit, 16-bit, and 24-bit per pixel color
VGA Compatibility	640 x 480 to 1280 x 1024	640 x 480 to 1280 x 1024	640 x 480 to 1280 x 1024	640 x 480 to 1280 x 800	640 x 480 to 1600 x 1200
USB Interface	USB B upstream port	Built-in USB 2.0 HUB on stand	Built-in USB 2.0 HUB on stand, USB B upstream port	Built-in USB 2.0 HUB on stand	Built-in USB 2.0 HUB on stand
<b>PHYSICAL CHARACTERISTICS</b>					
Display Size without stand (H x W x D)	18.7" x 14.3" x 3.9" (475mm x 363mm x 99mm)	17.3" x 13.5" x 3.7" (440mm x 343mm x 95mm)	18.7" x 14.5" x 4.0" (475mm x 369mm x 102mm)	28.1" x 18.6" x 2.8" (713mm x 473mm x 72mm)	13.6" x 17.5" x 2.8" (345mm x 445mm x 72mm)
Weight without stand	14 lbs (6.4 kg)	12 lbs (5.4 kg)	15 lbs (6.6 kg)	28 lbs (12.7 kg)	12 lbs (5.4 kg)
Weight with stand	21 lbs (9.3 kg)	20 lbs (9.1 kg)	23 lbs (10.2 kg)	36 lbs (16.3 kg)	20 lbs (9.0 kg)
Mounting Options	100 x 100 mm VESA mounting standard. Desktop stand includes height, pivot, swivel, and tilt adjustment.				
Power Input	100 to 240 VAC 50-60 Hz	100 to 240 VAC 50-60 Hz	100 to 240 VAC 50-60 Hz	100 to 240 VAC 50-60 Hz	100 to 240 VAC 50-60 Hz
Power Consumption	96 Watts typical, 108 Watts max	60 Watts typical, 90 Watts max	96 Watts typical, 108 Watts max	105 Watts typical, 130 Watts max	40 Watts typical, 60 Watts max
Operating Range	10 to 35 degrees C	0 to 35 degrees C	10 to 35 degrees C	0 to 35 degrees C	0 to 50 degrees C
<b>CERTIFICATIONS</b>					
Medical	FDA 510(k) targeted for release	FDA 510(k)	FDA 510(k)	FDA 510(k)	—
Safety & Emissions	CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, VCCI, KCC	CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, VCCI, KCC	CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, VCCI, KCC	CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, VCCI, KCC	UL, cUL, FCC, CE, CCC, VCCI, KCC
Environmental	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH
<b>SERVICE AND SUPPORT</b>					
Warranty	5-year standard warranty				3-year standard warranty
Backlight Warranty	5-year standard warranty				

Specifications may vary based on customized solution requirements. Because we continually improve our products, specifications are subject to change without notice.

# Dome® Grayscale Medical Imaging Displays

Make the *Right Choice*.



## Corporate Headquarters

5750 Hellyer Avenue  
San Jose, CA 95138 (USA)  
Tel: 408 776 0085  
Toll Free: 866 637 5237  
Email: info@ndssi.com

## Europe

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

## Asia Pacific

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

© 2010 NDS Surgical Imaging. Features and specifications are subject to change without notice. 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. All trademarks are property of their respective owners.

	Dome S10	Dome E2	Dome E3	Dome E5
<b>LCD CHARACTERISTICS</b>	<b>Coming Soon</b>			
Technology	TFT AMLCD Dual Domain IPS, single 10-bit pixels	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel
Screen Diagonal	30" (761mm)	19.6" (498mm)	20.8" (528mm)	21.3" (541mm)
Display Resolution	4096 x 2560 Landscape	1200 x 1600 Portrait 1600 x 1200 Landscape	1536 x 2048 Portrait 2048 x 1536 Landscape	2048 x 2560 Portrait 2560 x 2048 Landscape
Pixel Pitch	157µm, 161 dpi	249µm, 102 dpi	206µm, 123 dpi	165µm, 154 dpi
Viewing Angle	170° horizontal and vertical	170° horizontal and vertical	170° horizontal and vertical	170° horizontal and vertical
Response Time	35 ms typical	40 ms typical	35 ms typical	50 ms typical
<b>OPTICAL CHARACTERISTICS</b>				
Brightness	1250 cd/m <sup>2</sup> typical	1140 cd/m <sup>2</sup> typical	1000 cd/m <sup>2</sup> typical	1000 cd/m <sup>2</sup> typical
Default Calibrated	600 cd/m <sup>2</sup>	600 cd/m <sup>2</sup>	600 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>
Contrast Ratio	850:1 typical	850:1 typical	900:1 typical	800:1 typical
DICOM LUT	4093 shades of gray	3061 shades of gray	3061 shades of gray	3061 shades of gray
DICOM Characterization	LCD panels individually factory characterized with a NIST-traceable photometer. Characteristic data is stored in the display and remains available throughout the product life.			
DICOM Calibration	DICOM calibration performed by Dome CXtra™ using the RightLight™ internal photometer. DICOM calibration LUT stored in the display and automatically maintained for the life of the display.			
DICOM Conformance Testing	DICOM conformance maintained by RightLight™ internal photometer. Automated conformance testing through RightCheck front sensor.	DICOM conformance maintained by RightLight™ internal photometer. Independent conformance testing using Dome CXtra™ with an external photometer.		
<b>PANEL CONNECTIVITY</b>				
Video Input	Two Dual Link DVI-D	DVI-D	Dual Link DVI-D	Dual Link DVI-D
Pixel Data Sizes	8-bit and 10-bit per pixel grayscale, 24-bit color mapped to luminance	8-bit and 10-bit per pixel grayscale, 24-bit color mapped to luminance	8-bit and 10-bit per pixel grayscale, 24-bit color mapped to luminance	8-bit and 10-bit per pixel grayscale, 24-bit color mapped to luminance
VGA Compatibility	640 x 480 to 1280 x 1024	640 x 480 to 1280 x 1024	640 x 480 to 1280 x 1024	640 x 480 to 1280 x 1024
USB Interface	USB B upstream port	Built-in USB 2.0 HUB on stand	Built-in USB 2.0 HUB on stand	Built-in USB 2.0 HUB on stand
<b>PHYSICAL CHARACTERISTICS</b>				
Display Size without stand (H x W x D)	27.5" x 18.6" x 3.1" (699mm x 473mm x 80mm)	17.3" x 13.5" x 3.7" (440mm x 343mm x 95mm)	18.7" x 14.5" x 4.0" (475mm x 368mm x 102mm)	18.5" x 15.2" x 4.1" (470mm x 387mm x 103mm)
Weight without stand	17 lbs (7.7 kg)	12 lbs (5.4 kg)	14 lbs (6.4 kg)	14 lbs (6.4 kg)
Weight with stand	24 lbs (10.9 kg)	20 lbs (9.1 kg)	22 lbs (10.0 kg)	22 lbs (10.0 kg)
Mounting Options	100 x 100 mm VESA mounting standard. Desktop stand includes height, pivot, swivel, and tilt adjustment			
Power Input	100 to 240 VAC 50-60 Hz	100 to 240 VAC 50-60 Hz	100 to 240 VAC 50-60 Hz	100 to 240 VAC 50-60 Hz
Power Consumption	90 Watts typical, 140 Watts max	44 Watts typical, 72 Watts max	60 Watts typical, 72 Watts max	55 Watts typical, 72 Watts max
Operating Temperature Range	5 to 35 degrees C	10 to 40 degrees C	10 to 40 degrees C	10 to 35 degrees C
<b>CERTIFICATIONS</b>				
Medical	FDA 510(k) targeted for release	FDA 510(k)	FDA 510(k)	FDA 510(k)
Safety & Emissions	CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, VCCI, KCC	CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, VCCI, KCC	CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, VCCI, KCC	CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, VCCI, KCC
Environmental	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH
<b>SERVICE AND SUPPORT</b>				
Warranty	5-year standard warranty			
Backlight Warranty	10-year standard warranty			

Specifications may vary based on customized solution requirements. Because we continually improve our products, specifications are subject to change without notice.