



	Dome E2cHB	Dome E3cHB	Dome E4c	Dome GX2MP
LCD Display	PRELIMINARY SPECS			
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 MVA, 3 subpixels per pixel
Screen Size (diagonal)	19.6"	21.3" (540mm)	30.0" (76.2 cm)	20.1" (510.5 mm)
Display Resolution (pixels)	1200 x 1600 Portrait, 1600 x 1200 Landscape	1536 x 2048 Portrait, 2048 x 1536 Landscape	1600 x 2560 Portrait, 2560 x 1600 Landscape	1600 x 1200 Landscape, 1200 x 1600 Portrait
Pixel Pitch	249µm, 102 dpi	211µm, 120 dpi	250µm, 102 dpi	255 µm
Viewing Angle (CR 10:1)	+/- 85° (170°) horizontal and vertical	+/- 85° (170°) horizontal and vertical	+/- 85° (170°) horizontal and vertical	+/- 85° (170°) horizontal and vertical
Response Time		24 ms max	16 ms typical	16 ms typical
<b>OPTICAL CHARACTERISTICS</b>				
Brightness	800 cd/m <sup>2</sup>	Typical: 700 cd/m <sup>2</sup> Default Calibrated: 500 cd/m <sup>2</sup>	Typical: 300 cd/m <sup>2</sup> Default Calibrated: 250 cd/m <sup>2</sup>	Typical: 300 cd/m <sup>2</sup>
Contrast Ratio	700:1 – typical	750:1 – typical	700:1 typical	1000:1 typical
Palette	2041 unique shades of gray	2041 unique shades of gray	1786 unique shades of gray	16.7 million – programmable gamma
DICOM Calibration	Panel individually characterized and calibrated at factory, DICOM calibration validation performed via RightLight™ and Dome CXtra™			DICOM calibration validation via external photometer and Dome CXtra
<b>PANEL INTERFACE/CONNECTIVITY</b>				
Digital Video Input	DVI-I	Dual channel DVI (Dual Link)	DVI Revision 1.0 digital dual-link connector	DVI Connector
Analog Video Input		NA	NA	VGA Connector
Digital Communication & ID	DDC2B+EDID	DDC2B+EDID	DDC2B+EDID	
USB interface		(USB) Revision 1.1 on Stand; 1-Upstream USB "B" port; 2 - Downstream passive USB "A" ports. • Universal Serial Bus (USB) Revision 2.0 on Monitor; 1 - Upstream USB "mini-B" port	NA	Built-in USB 1.1 HUB, one upstream, two downstream ports
<b>Video Input Formats</b>				
Landscape Orientation	1600 x 1200 (24-bit color per pixel)	2048 x 1536 (8-bit and 24-bit color per pixel)	2560 x 1600 (24 bit color per pixel)	1600 x 1200 24 bit color per pixel
Portrait Orientation	1200 x 1600 (24-bit color per pixel)	1536 x 2048 (8-bit and 24-bit color per pixel)	NA	1200 x 1600 24 bit color per pixel
VGA to XGA/SXGA	640 x 480 to 1024 x 768, 1280 x 1024 displayed in portrait and landscape	640 x 480 – 1280 x 1024 displayed in both landscape and horizontal rotation	640 x 480 – 1280 x 800	640 x 480 – 1024 x 768
<b>Calibration</b>				
Technique	Automatic with Internal photometer	Automatic with Internal photometer	Automatic with Internal photometer	Manual with External Photometer
<b>TEST STANDARDS</b>				
Calibration Type	LCD Panel Individually characterized and calibrated at the factory, DICOM calibration verification performed via RightLight™ (internal photometer) and Dome CXtra™			DICOM Part 14, CXtra DiCAL
<b>IMAGING/GRAPHICS CONTROLLER</b>				
Compatible Controller Support	Reference Dome board linecard for up to date board compatibility.			
<b>PHYSICAL CHARACTERISTICS</b>				
Display Size (without stand) H x W x D		18.7" x 14.5" x 4.0" (475mm x 369mm x 102mm)	28" x 18.6" x 2.8" (713mm x 473mm x 72mm)	13.8" x 17.5" x 2.8" (345mm x 445mm x 72mm)
Weight (without stand)	Less than 12 pounds	Less than 15 pounds (6.35Kg)	28 pounds (12.7kg) typical	12 pounds
Mounting Options	100 mm VESA mounting standard. Desktop stand height, pivot, swivel and tilt adjustment.	100mm VESA mounting standard. Desktop stand height, pivot, swivel and tilt adjustment.	100mm x 200mm VESA mounting standard. Desktop stand height, pivot, swivel and tilt adjustment.	100 VESA mounting standard. Desktop stand height, pivot, swivel and tilt adjustment.
<b>Power Requirements</b>				
Power Input	100 to 240 VAC, Frequency of 50-60 Hz single phase, Less than 120 watts (typical)	100 to 240 VAC, Frequency of 50-60 Hz single phase, 96 watts (typical)	100 to 240 VAC, Frequency of 50-60 Hz single phase, 120 Watts Max, 105 Watts Typical	100 to 240 VAC, 50-60 Hz Universal Auto Switching, 50 Watts typical, 1 Watt standby
<b>Environmental</b>				
Operating Temperature Range	0 to 35 degrees C	10 to 35 degrees C	0 to 35 degrees C	0 to 40 degrees C
<b>CERTIFICATIONS</b>				
Medical		FDA 510(k)	FDA 510(k)	—
Safety & Emission		CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, SEMKO, VCCI, KCC, RoHS	CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, VCCI, KCC, RoHS	Complies with UL, cUL, FCC, CE TUV/GS, CCC, VCCI, KCC, RoHS
<b>Service and Support</b>				
Warranty	5-year standard warranty	5-year standard warranty	5-year standard warranty	3-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 E2	Dome E3	Dome E5	Dome Z10
<b>LCD DISPLAY</b>				
Technology	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel	TFT AMLCD Dual Domain IPS with Advanced Fringe Field Switching, 3 subpixels per pixel	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel	TFT AMLCD IPS
Screen Size (diagonal)	19.6-inch (498mm)	20.8-inch (528.3mm)	21.3-inch (540.9mm)	30-inch (756.4 mm)
Display Resolution (pixels)	1200 x 1600 Portrait, 1600 x 1200 Landscape	1536 x 2048 Portrait, 2048 x 1536 Landscape	2048 x 2560 Portrait, 2560 x 2048 Landscape	4096 x 2560
Pixel Pitch	249µm, 102 dpi	207µm, 123 dpi	165 µm, 154 dpi	158mm, 161 dpi
Viewing Angle (CR 10:1)	+/- 85° (170°) horizontal and vertical	+/- 85° (170°) horizontal and vertical	+/- 85° (170°) horizontal and vertical	+/- 85° (170°) horizontal and vertical
Response Time	40 ms typical	35 ms typical	50 ms typical	35 ms typical
<b>OPTICAL CHARACTERISTICS</b>				
Brightness	Typical: 1140 cd/m <sup>2</sup> Default Calibrated: 600 cd/m <sup>2</sup>	Typical: 1000 cd/m <sup>2</sup> Default Calibrated: 600 cd/m <sup>2</sup>	Typical: 750 cd/m <sup>2</sup> Default Calibrated: 500 cd/m <sup>2</sup>	Typical: 1250 cd/m <sup>2</sup> Default Calibrated: 500 cd/m <sup>2</sup>
Contrast Ratio	850:1 – typical	900:1 – typical	800:1 – typical	1000:1 – typical
Palette	3061 unique shades of gray	3061 unique shades of gray	3061 unique shades of gray	1024 shades of gray – programmable gamma from a palette of 4096 shades
DICOM calibration	Calibration continually verified by Dome CXtra™	Calibration continually verified by Dome CXtra™	Calibration continually verified by Dome CXtra™	Calibration continually verified by Dome CXtra™
<b>PANEL INTERFACE/CONNECTIVITY</b>				
Digital Video Input	Single data channel DVI connector, Revision 1.0	Dual Channel DVI (Dual Link)	Dual Channel DVI (Dual Link)	2x DVI Revision 1.0 digital dual-channel connector
Analog Video Input	Not Applicable	Not Applicable	Not Applicable	
Digital Communication & ID	DDC2B+EDID	DDC2B+EDID	DDC2B+EDID	DDC2B+EDID
USB interface	Built-in USB 1.1 Hub, One upstream port, two downstream ports			USB hub located on the deskstand
<b>Video Input Formats</b>				
Landscape Orientation	1600 x 1200, 8-bit and 24-bit per pixel	2048 x 1536, 8-bit and 24-bit per pixel	8- and 10-bit Gray	8- and 10-bit Gray
Portrait Orientation	1200 x 1600, 8-bit and 24-bit per pixel	1536 x 2048, 8-bit and 24-bit per pixel	8- and 10-bit Gray	
VGA to XGA/SXGA	640 x 480 to 1024 x 768, 1280 x 1024 displayed portrait and landscape			640x480 – 1024x768
<b>CALIBRATION</b>				
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	AAPM TG18 Report No. 03, DIN 6868-57:2000	AAPM TG18 Report No. 03, DIN 6868-57:2000	
Calibration Type	DICOM Grayscale, 256 shades of gray		DICOM Grayscale, 8-bit (256 shades of gray)/10-bit (1024 shades of gray)	
<b>IMAGING/GRAPHICS CONTROLLER</b>				
Compatible Controller Support	Reference Dome board linecard for up to date board compatibility			
<b>PHYSICAL CHARACTERISTICS</b>				
Display Size (without stand) H x W x D	17.3" x 13.5" x 3.75" (440mm x 343mm x 95mm)	18.7" x 14.5" x 4" (475mm x 368mm x 102mm)	18.5" x 15.2" x 4.1" (470mm x 387mm x 103mm)	
Weight (without stand)	12 lbs (5.5 kg)	14 lbs (6.35 kg)	14 lbs (6.35 kg)	
Mounting Options	Compatible with 100mm VESA-compliant mounting standards. Desktop stand height, pivot, swivel and tilt adjustment.			100mm x 200mm VESA mounting standard
<b>POWER REQUIREMENTS</b>				
Power Input	100 to 240 VAC, Frequency of 50-60 Hz single phase, Less than 75 watts (typical)	100 to 240 VAC, Frequency of 50-60 Hz single phase, Less than 75 watts (typical)	100 to 240 VAC, Frequency of 50-60 Hz single phase, Less than 75 watts (typical)	100 to 240 VAC, 50-60Hz Universal Auto Switching with Medical Approvals and PFC, 140 Watts (typical)
<b>Environmental</b>				
Operating Temperature Range	10 to 40 degrees C	10 to 40 degrees C	10 to 35 degrees C	
<b>Certifications</b>				
Medical	FDA 510(k)	FDA 510(k)	FDA 510(k)	
Safety & Emission	CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, SEMKO, VCCI, KCC, BSMI, RoHS	CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, SEMKO, VCCI, KCC, BSMI, RoHS	CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, SEMKO, VCCI, KCC, BSMI, RoHS	
<b>Service and Support</b>				
Warranty	5-year standard warranty			

\*Only available with certain graphics controllers.

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