



Dome E4c
Diagnostic-quality.
DICOM calibrated.

FEATURES:

- > 4-megapixel. 30-inch screen.
- > High bright color display for diagnostic viewing
- > FDA 510(k) cleared to market
- > 330 cd/m² Luminance
- > 600:1 Contrast Ratio
- > No center bezel for seamless viewing

The Dome E4c is a bezel-less diagnostic display that is medically certified and can be used throughout the healthcare enterprise. The wide-screen, 16:9 format of the Dome E4c simplifies comparison studies by eliminating image split caused by the bezel of a dual-head monitor and by offering more screen space to show multiple images. With 4MP resolution, the Dome E4c displays more than 90% of a CR image without scaling. With the ability to show 15 full size 512 x 512 images at the same time, the Dome E4c dramatically increases productivity when viewing large datasets and studies with multiple series.

With a broad color spectrum available, the Dome E4c enables you to take advantage of various color modalities, 2-D color imaging, image fusion and 3-D reconstruction. The high resolution and high contrast ratio enables you to clearly view multiple grayscale or color images.

The Dome E4c also comes with intervention free automatic DICOM grayscale calibration, full DICOM conformance and remote monitoring/maintenance enabled by Planar's Dome CXtra™ software.

*All Dome EX displays come with Dome CXtra software. Dome Dashboard Software available as an option.



> High-bright, 4-megapixel, 16:9 format, 30-inch diagonal screen.



> Supported by Dome CXtra Software to ensure DICOM conformance



SPECIFICATIONS:	
LCD Display	
Technology	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel
Screen Size (Diagonal)	30.0-inch (76.2 cm)
Display Resolution (pixels)	1600x2560 Portrait, 2560x1600 Landscape
Pixel Pitch	250µm, 102 dpi
Viewing Angle (CR 10:1)	+/- 85° (170°) horizontal and vertical
Response Time	16 ms typical
Optical Characteristics	
Brightness	330 cd/m ² typical
Contrast Ratio	600:1 – typical
Palette	1786 unique shades of gray
DICOM calibration	Calibration continually verified by Dome CXtra™
Panel Interface/Connectivity	
Digital Video Input	DVI Revision 1.0 digital dual-link connector
Analog Video Input	Not Applicable
Digital Communication & ID	DDC2B+EDID
USB interface	Not Applicable
Video Input Formats	
Landscape Orientation	2560x1600 (24 bit color per pixel)
Portrait Orientation	Not Applicable
VGA to XGA/SXGA	640 x 480 – 1280 x 800
Calibration	
Technique	Panel individually characterized and calibrated at factory, DICOM calibration validation performed via RightLight™ and Dome CXtra™
Calibration Type	DICOM Grayscale
Imaging/Graphics Controller	
Compatible Controller Support	AX5, MX4, NX 3500
Physical Characteristics	
Display Size (without stand)	28" H x 18.6" W x 2.8" D (713mm x 473mm x 72mm)
Weight (without stand)	28 pounds (12.7kg) typical
Mounting Options	100mm x 200mm VESA mounting standard, desktop stand
Power Requirements	
Power Input	100 to 240 VAC, Frequency of 50-60 Hz single phase, 120 Watts Max, 105 Watts Typical
Environmental	
Operating Temperature Range	0 to 35 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	1-year standard warranty, extended warranty plans available

AMERICAS SALES
 Planar Systems, Inc.
 1195 NW Compton Drive
 Beaverton, OR 97006 -1992, USA
 Phone + 1-503-748-1100
 Fax + 1-503-748-1493
 Email sales@planar.com

MEDICAL SALES
 Planar Systems, Inc.
 400 Fifth Avenue
 Waltham, MA 02451-8738, USA
 Phone: + 1-781-895-1155
 Fax: + 1-781-895-1133
 Email sales@planar.com

EUROPE & ASIA-PACIFIC SALES
 Planar Systems, Inc.
 Olarinluoma 9, P.O. Box 46
 FIN-02201 Espoo, Finland
 Phone + 358-9-42-001
 Fax + 358-9-420-0200
 Email intl@planar.com

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CONTROLLER SPECIFICATIONS

Controller	AX5 (PCI Express)	MX4 (PCI)	NX3500
Display Support	Dome E3, E3c, E4c	Dome E4c	Dome E4c, E5
Bus Support	PCI Express x 16 Lane	PCI 32-bit/33 MHz, 64-bit/66 MHz, PCI-X	PCIex16 Lane
Form Factor	PCI Express slot	Short Length, Full Height	ATX 4.38" x 8.0"
Color Bit Depth	16-bit high color, 24-bit truecolor	8-bit grayscale, 32-bit truecolor	32-bit truecolor
Memory	256 MB	256 MB	256 MB
Graphic Processor	Integrated into the memory controller	Integrated into the memory controller	Integrated into the memory controller
Resolution and Refresh Rate	2560 x 1600 @ 60 Hz (Dual Link), 3840 x 2400 @ 60 Hz (Dual Link, Individual)	2560x1600 @ 60Hz	2560 x 2048 @ 50Hz 2560 x 1600 @ 60Hz
Digital Video Output	DVI+DVI	DVI+DVI	DVI+DVI
Supported Configurations	Single, dual-head, portrait or landscape	Supporting single dual or quad in portrait and landscape Grayscale/Grayscale, Grayscale/Color, Color/Grayscale, Color/Color	Single, dual, quad
Dual Link DVI	Yes	Yes (1)	Yes
Power Requirements	350 watts	25 watts	35 watts
Operating System Support	Windows XP, Windows XP64, Windows 2000	Microsoft® Windows® XP, Windows 2000	Windows XP, Windows XP64, Windows 2000
DirectX	DirectX 9.0	DirectX 8.1	DirectX 9.0
OpenGL®	OpenGL 2.0 + extensions	OpenGL 1.3	OpenGL 2.0 + extensions

(Specifications may vary based on specific customized solution requirements.)