

DOME E4c

4MP Widescreen Diagnostic Color Display



The **Dome E4c** is a widescreen display offering the functionality of two 2MP displays with the flexibility of a single display.

- Widescreen 4MP color display
- CXtra™-controlled DICOM for life
- Flexible, lightweight, low-power design
- Quality image viewing without reflective glass



RightLight™: RightLight™ monitoring provides proven backlight stabilization and automatic DICOM compliance. RightLight™ is constantly monitoring your system to provide displays that are always ready for diagnostic viewing.



ClearView: The American College of Radiology recommends that "Protective shields on LCDs add to reflections and should not be used if possible." Reflective glass can also reflect backwards onto the display blurring the diagnostic images. Some companies continue to believe adding reflective glass is a feature. We agree with the ACR, image quality comes first, so we don't put reflective glass on our Dome E4c display.



DICOM Assured:

Dome E4c displays are fully factory characterized using a NIST-traceable photometer, providing the highest quality characterization of any diagnostic display. The characterization data is stored in the panel and allows the display to remain in perfect DICOM calibration for the life of the display. With CXtra™ software, you simply open the box, plug it in, and you're ready.



Fanless: Dome E4c displays use intelligent

engineering for sleek, low-power, fanless designs. No mechanical fans to fail or draw in dust which can cause electronics to fail prematurely. Lower power, lower heat, lower cost of ownership thanks to Dome's unmatched engineering excellence.

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LCD CHARACTERISTICS

Technology	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel
Screen Size	29.8" (756mm)
Display Resolution	2560 x 1600 Landscape
Pixel Pitch	251µm, 101 DPI
Viewing Angle	170° horizontal and vertical
Response Time	16 ms typical

OPTICAL CHARACTERISTICS

Brightness	370 cd/m ² typical
Default Calibrated	250 cd/m ²
Contrast Ratio	700:1 typical
DICOM LUT	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.
DICOM Calibration	DICOM calibration performed by Dome CXtra™ using the RightLight™ internal photometer and automatically maintained for the life of the display.
DICOM Conformance Testing	DICOM conformance maintained by RightLight™ internal photometer. Independent conformance testing using Dome CXtra™ with an external photometer.

PANEL CONNECTIVITY

Video Input	Dual Link DVI-D
Pixel Data Sizes	8-bit, 16-bit, and 24-bit per pixel color
VGA Compatibility	640 x 480 to 1280 x 800
USB Interface	Built-in USB 2.0 HUB on stand

PHYSICAL CHARACTERISTICS

Display Size without stand (H x W x D)	28.1" x 18.6" x 2.8" (713mm x 473mm x 72mm)
Weight without stand	28 lbs (12.7 kg)
Weight with stand	36 lbs (16.3 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
Power Consumption	105 Watts typical, 130 Watts max
Operating Range	0 to 35 degrees C













CERTIFICATIONS

Medical	FDA 510(k)
Safety & Emissions	CSAus, EN60601-1, FCC, CE, CCC, TUV-GM, VCCI, KCC
Environmental	RoHS, WEEE, REACH

SERVICE AND SUPPORT

Warranty	5-year standard warranty
Backlight Warranty	5-year standard warranty

Specifications may vary based on specific customized solution requirements.

- 4MP color display 
- RightLight™ monitoring for DICOM conformance 
- Clear images without reflective glass 
- Factory characterized for life 
- High-precise DICOM LUT 
- Widescreen for two displays in one 
- Green by design 
- Low-power, fanless design 
- Feather-light, small footprint design 
- World-class warranty 
- Industry-leading backlight warranty 
- High-speed, dual-link DVI 



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