

DOME E2

2MP Diagnostic Grayscale Display



The **Dome E2** display offers high brightness, low power, and image quality that can be affordably deployed throughout the enterprise.

- High-bright 2MP grayscale display
- Pristine grayscale imaging in a compact display
- RightLight™-controlled DICOM for life
- Flexible, lightweight, low-power design



Precise LUT: Dome displays include precision DICOM lookup tables (LUTs), giving extra fine control of gray shades and near-perfect DICOM conformance. Standard displays fail to provide the precision needed to accurately match the DICOM curve and hence fail to meet the demanding needs of diagnostic imaging.



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 E2 display.



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.



High-Speed DVI:

Dome supports open standards, allowing our customers to choose from the latest high-performance video controllers. We believe in open technology standards that deliver the most flexible and comprehensive solution to the customer. Supporting open architectures is harder for us, but better for you.

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LCD CHARACTERISTICS

Technology	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel
Screen Size	19.6" (498mm)
Display Resolution	1200 x 1600 Portrait 1600 x 1200 Landscape
Pixel Pitch	249µm, 102 dpi
Viewing Angle	170° horizontal and vertical
Response Time	40 ms typical

OPTICAL CHARACTERISTICS

Brightness	1140 cd/m ² typical
Default Calibrated	600 cd/m ²
Contrast Ratio	850:1 typical
DICOM LUT	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. Independent conformance testing using Dome CXtra™ with an external photometer.

PANEL CONNECTIVITY

Video Input	DVI-D
Pixel Data Sizes	8-bit and 10-bit per pixel grayscale, 24-bit color mapped to luminance
VGA Compatibility	640 x 480 to 1280 x 1024
USB Interface	Built-in USB 2.0 HUB on stand

PHYSICAL CHARACTERISTICS

Display Size without stand (H x W x D)	17.3" x 13.5" x 3.7" (440mm x 343mm x 95mm)
Weight without stand	12 lbs (5.4 kg)
Weight with stand	20 lbs (9.1 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	44 Watts typical, 72 Watts max
Operating Range	10 to 40 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	10-year standard warranty

Specifications may vary based on specific customized solution requirements.

- 2MP grayscale display 
- RightLight™ monitoring for DICOM conformance 
- Clear images without reflective glass 
- Factory characterized for life 
- High-precise DICOM LUT 
- Full 10-bit data path 
- Green by design 
- Low-power, fanless design 
- Feather-light, small footprint design 
- World-class warranty 
- Industry-leading backlight warranty 
- High-speed DVI 



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