

## 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
- 10-bit medical display system



**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.

# DOM E2

## 2MP Diagnostic Grayscale Display



### LCD CHARACTERISTICS

Technology	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel
Screen Size	21.3" (540mm)
Display Resolution	1200 x 1600 Portrait 1600 x 1200 Landscape
Pixel Pitch	0.270mm, 94 dpi
Viewing Angle	176° horizontal and vertical
Response Time	17 ms typical

### OPTICAL CHARACTERISTICS

Brightness	1000 cd/m <sup>2</sup> typical
Default Calibrated	600 cd/m <sup>2</sup>
Contrast Ratio	700:1 typical
DICOM LUT	3070 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 and VGA
Pixel Data Sizes	8-bit per pixel grayscale, 24-bit color mapped to luminance
VGA Compatibility	640 x 480 to 1600 x 1200
USB Interface	Built-in USB 2.0 HUB on stand

### PHYSICAL CHARACTERISTICS

Display Size without stand (H x W x D)	19.0" x 14.7" x 4.0" (482mm x 374mm x 102mm)
Weight without stand	14 lbs (6.4 kg)
Weight with stand	22 lbs (10 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	33 Watts typical
Operating Range	0 to 35 degrees C

### CERTIFICATIONS E2 product is not for sale in the USA.

Medical	MDD
Safety & EMI	ANSI/AAMI ES60601-1, EN60601-1, EN60601-1-2, CE, CCC, FCC, VCCI
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.*

2MP grayscale display



RightLight™ monitoring for DICOM conformance



Clear images without reflective glass



Factory characterized for life



High-precision DICOM LUT



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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