DOME S2c LED
Premium 2MP Diagnostic Color Display

DOME®
by NDSsi

The **Dome S2c** is a high-bright color display ideal for PACS imaging such as color ultrasound, 3D reconstruction, cardiology, nuclear medicine, PET-CT fusion, CT & MRI.

- High-bright 2MP color display
- LED backlight
- Suitable for grayscale and color images
- RightCheck front sensor for remote conformance testing

RightCheck: Based on Dome's patent pending sensor technology for optimum remote testing and validation. Our unique technology gives us precise measurements for quick and confident confirmation of DICOM conformance.

30-Bit Color: Rich, 30-bit color allows over a billion different shades to be displayed for viewing even the most subtle hues.
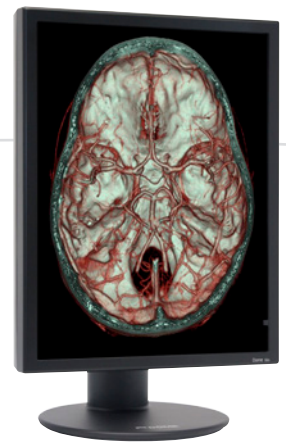
RightLight™: RightLight monitoring provides proven backlight stabilization and automatic DICOM compliance. RightLight™ is constantly monitoring your system to provide displays that are always ready for diagnostic viewing.

DICOM Always: Dome S2c displays are fully factory characterized using a NIST-traceable photometer, which provides high quality characterization of diagnostic displays. The characterization data is stored in the panel and allows the display to remain in perfect DICOM calibration for the life of the product. No additional field calibration is ever necessary.

Fanless: Dome S2c 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 and lower heat means lower cost of ownership.

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LCD CHARACTERISTICS

Technology	TFT AMLCD Dual Domain IPS, 3 subpixels per pixel
Screen Size	21.3" (541mm)
Display Resolution	1200 x 1600 Portrait 1600 x 1200 Landscape
Pixel Pitch	270µm
Viewing Angle	176° horizontal and vertical
Response Time	20 ms typical

OPTICAL CHARACTERISTICS

Brightness	900 cd/m^2 typical
Default Calibrated	500 cd/m^2
Contrast Ratio	1400:1 typical
DICOM LUT	16-bit architecture with 0.3 JND precision
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. Automated conformance testing through RightCheck front sensor.

PANEL CONNECTIVITY

Video Input	DisplayPort 1.1 and Dual Link DVI-D
Pixel Data Sizes	24-bit per pixel color 30-bit per pixel color over DisplayPort
VGA Compatibility	640 x 480 to 1280 x 1024
USB Interface	USB B upstream port

PHYSICAL CHARACTERISTICS

Display Size without stand (H x W x D)	18.7" x 14.3" x 3.9" (475mm x 363mm x 99mm)
Weight without stand	14 lb (6.4 kg)
Weight with stand	21 lb (9.3 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	66 Watts typical
Operating Range	0 to 40 degrees C

CERTIFICATIONS

Medical	FDA registration #2954921; FDA 510(k) pending.
Safety & EMI	ANSI/AAMI ES60601-1, CAN/CSA – C22.2 No. 60601-1, IEC/EN60601-1, FCC Part 15B, IECS-003, EN60601-1-2
Environmental	RoHS2, 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.

Compatible with Dome Dashboard™ Software.

- 2MP color display — **2MP**
- LED backlight — **LED**
- RightLight™ monitoring for DICOM conformance
- Clear images without reflective glass
- Patent pending RightCheck sensor
- Factory characterized for life — **ALWAYS**
- High-precise DICOM LUT — **PRECISE**
- Full 30-bit color support — **30BIT**
- Energy efficient and Green by design
- Low-power, fanless design
- Feather-light, small footprint design
- Full bandwidth DisplayPort support
- High-speed, dual-link DVI — **DVI**
- World-class warranty — **W 5YR**
- Industry-leading backlight warranty — **5YR**

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