DOME S6c LED
Premium 6MP Diagnostic Color Display

DOME® by NDSsi

The **Dome S6c** display offers the latest in LCD technology to provide superb image quality and long product life within a sleek 30" package.

- Widescreen 6MP color display
- Suitable for grayscale and color images
- RightCheck sensors for remote QA
- LED backlight technology
- Lightweight, fanless and non-reflective
- May be used as two separate 3MP displays with no bezel separation

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.

Precise LUT: Dome displays include precision DICOM lookup tables (LUTs), giving extra fine control of gray shades and near-perfect DICOM.
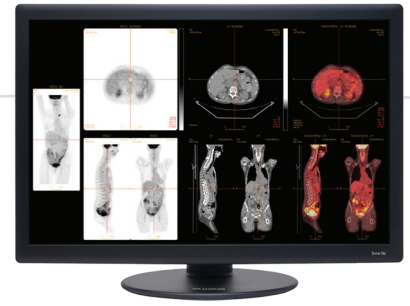
RightLight™: RightLight™ monitoring provides proven backlight stabilization and automatic DICOM compliance. RightLight™ is constantly monitoring your system to provide displays that are always ready for diagnostic viewing.

DICOM Always: Dome S6c 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 display. No additional field calibration is ever necessary.

Fanless: Dome S6c 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	30" (762mm)
Display Resolution	3280 x 2048 Landscape Dual 1640 x 2048 Portrait
Pixel Pitch	197µm, 129 DPI
Viewing Angle	170° horizontal and vertical
Response Time	15 ms typical

OPTICAL CHARACTERISTICS

Brightness	800 cd/m^2 typical
Default Calibrated	450 cd/m^2
Contrast Ratio	1000:1 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	X2 Dual Link DVI-D
Pixel Data Sizes	24-bit per pixel color over 32-bit color palette
VGA Compatibility	800 x 600 and 1280 x 1024
USB Interface	Mini-USB B upstream port

PHYSICAL CHARACTERISTICS

Display Size without stand (H x W x D)	27.5" x 18.6" x 3.1" (699mm x 473mm x 80mm)
Weight without stand	22 lbs (10.0 kg)
Weight with stand	29 lbs (13.2 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	85 Watts typical
Operating Range	5 to 40 degrees C

CERTIFICATIONS

Medical	FDA 510(k) cleared, K133609
Safety & EMI	ANSI/AAMI ES60601-1, EN60601-1, EN60601-1-2, CAN/CSA-C22.2 No. 60601-1, FCC, CE, 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.

- 6MP color display
- LED backlight
- RightLight™ monitoring for DICOM conformance
- Clear images without reflective glass
- RightCheck sensor
- Factory characterized for life
- High-precise DICOM LUT
- Energy efficient and Green by design
- Low-power, fanless design
- Feather-light, small footprint design
- High-speed, dual-link DVI
- World-class warranty
- Industry-leading backlight warranty