

# SMD 21300

## 3 MPixel Gray Scale Flat Panel Display



- Continuous backlight control for excellent luminance stability over time
- CIE/DICOM compliant gray scale response built into the display. Independent of host resident controller
- Sharper images with blue tinted PLANON backlight
- Fully supported by the SMfit ACT® family of conformance and calibration tools
- 5 user defined look up tables adaptable to diverse reading and viewing environments
- Gamma response calibrated in manufacturing providing consistent image quality from one display to the next
- Built-in connector for spotmeter
- Internal silent power supply
- Completely digital design

# display SOLUTIONS

Siemens SMD Series of gray scale displays combines the demanding requirements of medical imaging with the advantages of digital flat panel technology.

The display features high contrast and high gray level reproduction fidelity and stability.

The gamma curve is exactly matched to CIE/DICOM recommendation.

Siemens continuous backlight control circuitry ensures light output stability throughout the product's lifetime.

**SIEMENS**

# SMD 21300

## 3 MPixel Gray Scale Flat Panel Display

Technical Data	
<b>Display performance</b>	
Pixel number	1536 x 2048
Size	20.8"
Display area (W x H) in mm	318 x 424
Type	Gray scale, TFT, IPS, dual domain
Viewing angle	170° H and V
Contrast ratio (typical)	800:1
Luminance (typical)	700 cd/m <sup>2</sup> (205 fL)
Calibrated LUTs (stabilized)	300 cd/m <sup>2</sup> (88 fL), 400 cd/m <sup>2</sup> (117 fL), 500 cd/m <sup>2</sup> (146 fL), 600 cd/m <sup>2</sup> (175 fL), DICOM compliant
Backlight type	PLANON, mercury-free
Backlight color	Blue tinted
Luminance settling time after power on	Calibrated level ± 5% within 10 seconds
Surface	Anti-glare
<b>Video Input</b>	
Signal	DVI-D, single link
<b>Communication Interfaces</b>	
RS 232	6-pin Mini DIN connector
DDC	Within DVI
<b>Support Software</b>	
SMfit ACT® Basics	Adjustment, stability and control tool (included in scope of delivery and available for download at <a href="http://www.siemens.com/displays">www.siemens.com/displays</a> )
SMfit ACT® Calibration	Calibration software (available separately)
SMfit ACT® Remote	Remote monitoring (available separately)
<b>Design</b>	
Mounting options	Ceiling suspension or desktop version
Orientation	Portrait

Technical Data	
<b>Backlight lifetime</b>	100,000 h (typical at 25 °C ambient backlight temperature)
<b>Operation conditions</b>	
Temperature	
• Operating	+0 °C ... +35 °C
• Storage	-20 °C ... +60 °C
<b>Power requirements</b>	
Input voltage	AC 100 ... 240 V, ± 10% Wide range power supply
Power frequency	50 ... 60 Hz, ± 5%
Power consumption	95 Watts (maximum)
DPMS	Display Power Management System
<b>Mechanical specifications</b>	
Mechanical adaptation	100 mm VESA
Degree of protection	IP20
<u>Without Stand</u>	
Dimensions (W x H x D) in mm	363 x 469 x 129
Weight	8.8 kg
<u>Desktop</u>	
Dimensions (W x H x D) in mm	363 x 515 x 240
Weight	12.7 kg
<b>Approvals</b>	
Safety	EN 60601-1 CAN/CSA C22.2 No. 601.1 and UL 2601-1
EMC	FCC Class A EN 60601-1-2 MPR II
<b>Ordering data</b>	
Desktop: SMD 21300 D	<b>Order No.</b> 6GF6201-5WA03

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The information provided in this brochure contains descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products.