

SMD 21500

5 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 21500

5 MPixel Gray Scale Flat Panel Display

Technical Data	
Display performance	
Pixel number	2048 x 2560
Size	21.3"
Display area (W x H) in mm	338 x 422
Type	Gray scale, TFT, IPS, dual domain
Viewing angle	170° H and V
Contrast ratio (typical)	600:1
Luminance (typical)	700 cd/m ² (205 fL)
Calibrated LUTs (stabilized)	300 cd/m ² (88 fL), 400 cd/m ² (117 fL), 500 cd/m ² (146 fL), 600 cd/m ² (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
Video Input	
Signal	DVI-D, single link
Communication Interfaces	
RS 232	6-pin Mini DIN connector
DDC	Within DVI
Support Software	
SMfit ACT® Basics	Adjustment, stability and control tool (included in scope of delivery and available for download at www.siemens.com/displays)
SMfit ACT® Calibration	Calibration software (available separately)
SMfit ACT® Remote	Remote monitoring (available separately)
Design	
Mounting options	Desktop version or ceiling suspension
Orientation	Portrait

Technical Data	
Backlight lifetime	100,000 h (typical at 25 °C ambient backlight temperature)
Operation conditions	
Temperature	
• Operating	+0 °C ... +35 °C
• Storage	-20 °C ... +60 °C
Power requirements	
Input voltage	AC 100 ... 240 V, ± 10% Wide range power supply
Power frequency	50 ... 60 Hz, ± 5%
Power consumption	100 Watts (maximum)
DPMS	Display Power Management System
Mechanical specifications	
Mechanical adaptation	100 mm VESA
Degree of protection	IP20
<u>Without stand</u>	
Dimensions (W x H x D) in mm	384 x 469 x 132
Weight	9.2 kg
<u>Desktop</u>	
Dimensions (W x H x D) in mm	384 x 515 x 240
Weight	13.1 kg
Approvals	
Safety	EN 60601-1 CAN/CSA C22.2 No. 601.1 and UL 2601-1
Mammography	FDA 510(k)
EMC	FCC Class A EN 60601-1-2 MPR II
Ordering data	
Desktop: SMD 21500 D	Order No. 6GF6201-4CA13

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