

SMD 19200

2 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
- Sharp images with blue tinted 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
- Optional protective glass for sterile environments
- Built-in connector for spotmeter
- Internal silent power supply
- Completely digital design

display SOLUTIONS

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

The display features high contrast gray level reproduction fidelity for reliable diagnosis.

The gamma curve is exactly matched to CIE/DICOM recommendation, and is optimized for gray scale imaging.

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

SIEMENS

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Technical Data	
Display performance	
Pixel number	1600 x 1200
Size	19.6"
Display area (W x H) in mm	398 x 299
Type	Gray scale, TFT, IPS, dual domain
Viewing angle	170° H and V
Contrast ratio (typical)	800:1
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	CCFL
Backlight color	Blue tinted
Surface	Anti-glare
Protective Glass (optional)	Anti-reflective
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	Ceiling suspension or desktop version
Orientation	Portrait, Landscape via graphics card

Technical Data	
Backlight lifetime	50,000 h (typical at 25 °C ambient backlight temperature)
Operation conditions	
Temperature	
• Operating	+5 °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	45 Watts (maximum)
DPMS	Display Power Management System
Mechanical specifications	
Mechanical adaptation	100 mm VESA
Degree of protection	IP20
<u>Ceiling suspension</u>	
Dimensions (W x H x D) in mm	344 x 444 x 98
Weight	5.4 kg
<u>Desktop (including base)</u>	
Dimensions (W x H x D) in mm	
• Portrait	344 x 503 x 240
Weight	9.3 kg
Approvals	
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
Ordering data	
Desktop: SMD 19200 D	6GF6211-5WA03
Protective Glass: SMD 19200 DP	6GF6211-5WA09

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