

SCD 19100

1 MPixel 19" Color Display



- Totally automated luminance stability through the Integrated Stability System (ISS)
- CIE/DICOM compliant gray scale response built into the display
- Adjustable color point for optimized display matching
- Fully supported by SMfit ACT® family of quality assurance tools
- 5 user defined 10 bit look up tables adaptable to diverse reading and viewing environments
- Gamma response calibrated during manufacturing to provide constant image quality from one display to the next
- Code protected key pad to ensure proper alignment
- Built-in connector for spotmeter
- Internal silent power supply

display SOLUTIONS

Siemens SCD Series of color displays meets the demanding requirements of Medical Imaging with the advantages of digital flat panel technology for reliable diagnosis.

The SCD 19100 produces color and gray scale images for the accurate, high-speed presentation of motion studies and dynamic images in Cardiac Imaging, Ultrasound and Nuclear Medicine.

SIEMENS

SCD 19100

1 MPixel 19" Color Display

Technical specifications	
Display performance	
Resolution	1280 x 1024
Display area (W x H) in mm	376 x 301
Panel technology	Color, TFT, IPS, dual domain
Viewing angle	170° H and V
Contrast ratio	450:1
Luminance	280 cd/m ² (82 fL)
Calibrated luminance	DICOM, 125 cd/m ² (36 fL) DICOM, 160 cd/m ² (47 fL) CIE, 125 cd/m ² (36 fL)
LUT	10 bit
Number of gray shades	1024
Antireflection coating	Anti-glare
Signal inputs	
Connectivity	DVI-I, 15pin-SubD
Supported signals	DVI-D, single link, DVI-I, RGB
Supported formats	VGA, SVGA, XGA, SXGA non-interlaced, interlaced
Analog properties	
Line frequency	30 ... 100 kHz
Frame rate	50 ... 100 Hz
Impedance	75 Ω, 10 kΩ
Data interface	
Connectivity	RJ11, 6pin-MiniDIN, DVI
Supported signals	RS 232-Bus, DDC
Supported software	
SMfit ACT® Basics	Auto adjustment, stability and control tool (included in scope of delivery)
SMfit ACT® Calibration	Calibration software
SMfit ACT® Remote	Administrator tool
Backlight	
Technology	CCFL
ISS (Integrated Stability System)	Yes
Life time	50 000 h
Climatic conditions	
Operating temperature	0 ... +40 °C (32... +104 °F)
Within specifications	0 ... +35 °C (32 ... +95 °F)
Storage temperature	-20 ... +60 °C (-4 ... +140 °F)
Operating humidity	20% ... 80%, relative
Storage humidity	5% ... 95%, relative
Barometric pressure	1050 hPa ... 600 hPa

Technical specifications	
Power requirements	
Input voltage	100 ... 240 V AC, ± 10%
Power frequency	50 ... 60 Hz, ± 5%
Power consumption	< 75 W
Power save (analog)	DPMS
Power save (digital)	DVI-DMPM
Mechanical specifications	
Mechanical adaptation	VESA 100 mm x 100 mm
Degree of protection	IP20
Dimensions without stand (W x H x D) in mm	420 x 345 x 92
Weight without stand	6.6 kg
Weight with protective glass	7.2 kg
Design	
Mounting options	Ceiling suspension or desktop
Orientation	Landscape or portrait
Panel controls	
Controls	Key pad and OSD
Indicators	Power on/off
Approvals	
Safety	EN60601-1 CSA C22.2 No.601.1 UL60601-1
EMC	EN60601-1-2 limit B FCC Class A MPR II
Compatible stands	
Fixed	6GF6280-1DG
Multifunction	6GF6988-8AA01 (without protective glass) 6GF6988-8AA02 (with protective glass)
Accessories	
Cable kit for full SMfit ACT® functionality	6GF6980-1TA08
Ordering data	
Without stand: SCD 19100 C	6GF6210-2CA10
With protective glass, without stand: SCD 19100 CP	6GF6210-2CA20

All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.

An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. Availability and technical specifications are subject to change without notice.

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.