



SMD 19102

Surgical Monitor Solutions



SMD 19102

1 MP 48 cm (19") Gray Scale LCD Monitor



The SMD 19102 accepts a wide range of current and legacy video, digital and RGB inputs. Its high brightness and contrast, combined with a cost effective design, create the perfect fit for many gray scale modalities and imaging environments.

- Fully automated luminance stability through the Integrated Stability System (ISS)
- CIE/DICOM compliant gray scale response built into the display
- Fully supported by the SMfit® Total Care 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 consistent image quality from one display to the next
- State of the art video signal rendering; video standards: PAL, NTSC
- Force Mode for tailoring the display to even the most specialized timing requirements

Monitor Performance	
Cabinet Color	Anthracite Gray
Panel	Gray scale, TFT, IPS, dual domain
Active Display Size (H x V)	376 x 301 mm
Viewable Image Size	Diagonal: 481.9 mm
Native Resolution	1280 x 1024
Pixel Pitch (H x V)	0.294 x 0.294 mm
Grayscale Tones	1024
Viewing Angles (H, V)	170°, 170° (typical)
Brightness	1000 cd/m ² / 292 ft. (typical)
Calibrated Brightness	DICOM, 400 cd/m ² (117 ft.) CIE, 400 cd/m ² (117 ft.) CRT, 400 cd/m ² (117 ft.) Linear, 400 cd/m ² (117 ft.)
Brightness Uniformity	< 15 %
Contrast Ratio	900:1 (typical)
Response Time	25 ms (typical)
LUT	10 Bit
Sensor	ISS (Integrated Stability System)
Signal Properties	
Scanning Frequency	Analog: 30 - 100 kHz, 50 - 100 Hz
Dot Clock	Analog: 135 MHz
Signal Level / Sync Level	0.5 - 1.0 Vpp (75 Ω) / 0.15 - 0.3 (10 kΩ)
Signal Inputs	
Connectors	DVI-I, 15pin-SubD, 4pin-MiniDIN, 3x-BNC, 1x-BNC
Supported Signals	DVI (single link), RGB (DVI-D, 15pin-SubD), G/H/V (15pin-SubD, 3x-BNC), SoG (15pin-SubD, 3x-BNC), Y/C (4pin-MiniDIN), CVBS (1x-BNC)
Supported Formats	VGA, SVGA, XGA, SXGA non-interlaced, interlaced
Signal Outputs (Loop Through)	
Connectors	BNC
Supported Signals	SoG

Data Interface	
Connectors	RJ11, 6pin-MiniDIN, DVI
Supported Signals	RS 232-Bus, DDC
Power Requirements	
Input Voltage	100 - 240 VAC, ±10%
Power Frequency	50 - 60 Hz, ±5%
Power Consumption	< 58 W, Power Save Mode: < 8 W
Power Management (analog)	DPMS
Power Management (digital)	DVI-DMPM
Mechanical Specifications	
Orientation	Landscape or Portrait
Mechanical Adaption	VESA 100 x 100 mm
Degree of Protection	IP20, IP22 (front) for SMD 19102 CP
Net Weight	Without stand: 6.4 kg, with protective glass: 7.0 kg, with stand: 11.4 kg
Dimensions (W x H x D)	Without stand: 422 x 348 x 95 mm
Climatic Conditions	
Operating Temperature	5 to +40 °C (32 to +104 °F)
Within Specifications	5 to +35 °C (32 to +95 °F)
Storage Temperature	-20 to +60 °C (-4 to +140 °F)
Approvals	
Certifications and Standards	EN60601-1, CSA C22.2 No.601.1, UL60601-1, EN60601-1-2 Class B, FCC Class A, MPR II
Accessories	
Supplied Accessories	AC power cord, DVI single link cable, documentation on CD
Optional Accessories	Multifunctional stand, fixed stand, DVI transmission line, cable kit for SMfit, BNC to VGA cable
Warranty	
Standard Warranty	5 Years
Model Variations	
SMD 19102 C (without stand)	6GF6211-2EE50
SMD 19102 CP (with protective glass, without stand)	6GF6211-2EE60
SMD 19102 D (with multifunctional stand)	6GF6211-2EE51

