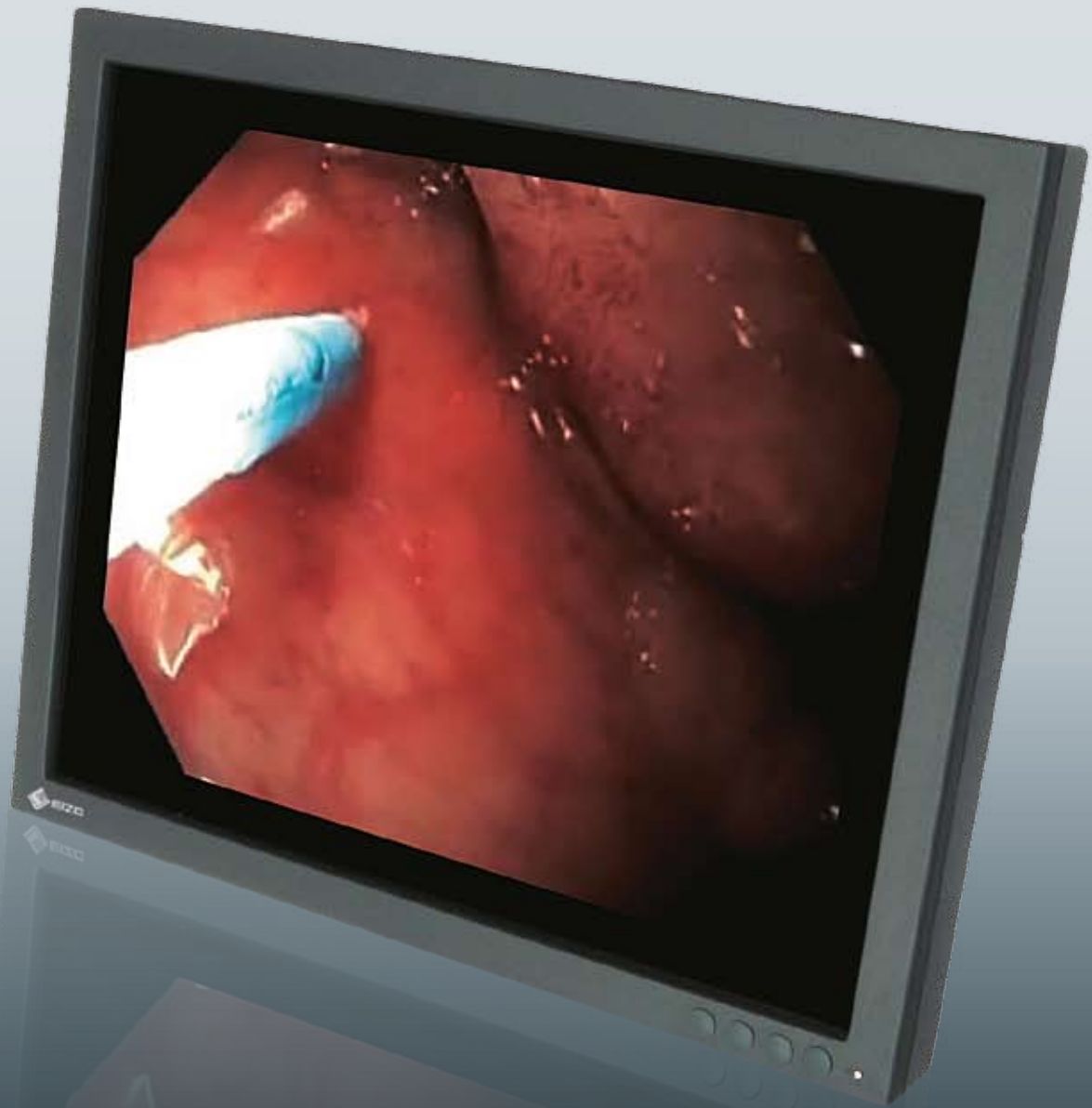




# SCD 19102

Surgical Monitor Solutions



# SCD 19102

1 MP 48 cm (19") Color LCD Monitor



The SCD 19102 produces color and gray scale images for the accurate, high-speed presentation of motion studies and dynamic images in endoscopy, surgery, cardiac imaging, and ultrasound.

- Fully 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 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

<b>Monitor Performance</b>	
Cabinet Color	Anthracite Gray
Panel	Color, 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 Display Colors	1024 8 bit (16.7 million colors)
Viewing Angles (H, V)	170°, 170° (typical)
Brightness	280 cd/m <sup>2</sup> / 82 fl. (typical)
Calibrated Brightness	DICOM, 125 cd/m <sup>2</sup> (36 fl.) CIE, 125 cd/m <sup>2</sup> (36 fl.) LINEAR, 160 cd/m <sup>2</sup> (47 fl.)
Brightness Uniformity	< 33 %
Contrast Ratio	600:1 (typical)
Response Time	25 ms (typical)
LUT	10 Bit
Sensor	ISS (Integrated Stability System)
<b>Signal Properties</b>	
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 V (10 kΩ)
<b>Signal Inputs</b>	
Connectors	DVI-I, 15pin-SubD, 4pin-MiniDIN, 1x-BNC
Supported Signals	DVI (single link), RGB (DVI-I, 15pin-SubD), G/H/V(15pin-SubD, DVI-analog), SoG (15pin-SubD, DVI-analog), Y/C (4pin-MiniDIN), CVBS (1x-BNC)
Supported Formats	VGA, SVGA, XGA, SXGA non-interlaced, interlaced
<b>Data Interface</b>	
Connectors	RJ11, 6pin-MiniDIN, DVI
Supported Signals	RS 232-Bus, DDC

<b>Power Requirements</b>	
Input Voltage	100 - 240 VAC, ±10%
Power Frequency	50 - 60 Hz, ±5%
Power Consumption	< 58 W, Power Save Mode: < 8 W
Power Management (analog) Power Management (digital)	DPMS DVI-DMPM
<b>Mechanical Specifications</b>	
Orientation	Landscape or Portrait
Mechanical Adaption	VESA 100 x 100 mm
Degree of Protection	IP20 IP22 (front) for SCD 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
<b>Climatic Conditions</b>	
Operating Temperature Within Specifications	5 to +40 °C ( 32 to +104 °F) 5 to +35 °C ( 32 to +95 °F)
Storage Temperature	-20 to +60 °C ( -4 to +140 °F)
<b>Approvals</b>	
Certifications and Standards	EN60601-1, CSA C22.2 No.601.1, UL60601-1, EN60601-1-2 limit B, FCC Class A, MPR II
<b>Accessories</b>	
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
<b>Warranty</b>	
Standard Warranty	5 Years
<b>Model Variations</b>	
SCD 19102 C (without stand)	6GF6210-2EE10
SCD 19102 CP (with protective glass, without stand)	6GF6210-2EE20
SCD 19102 D (with multifunctional stand)	6GF6210-2EE01

