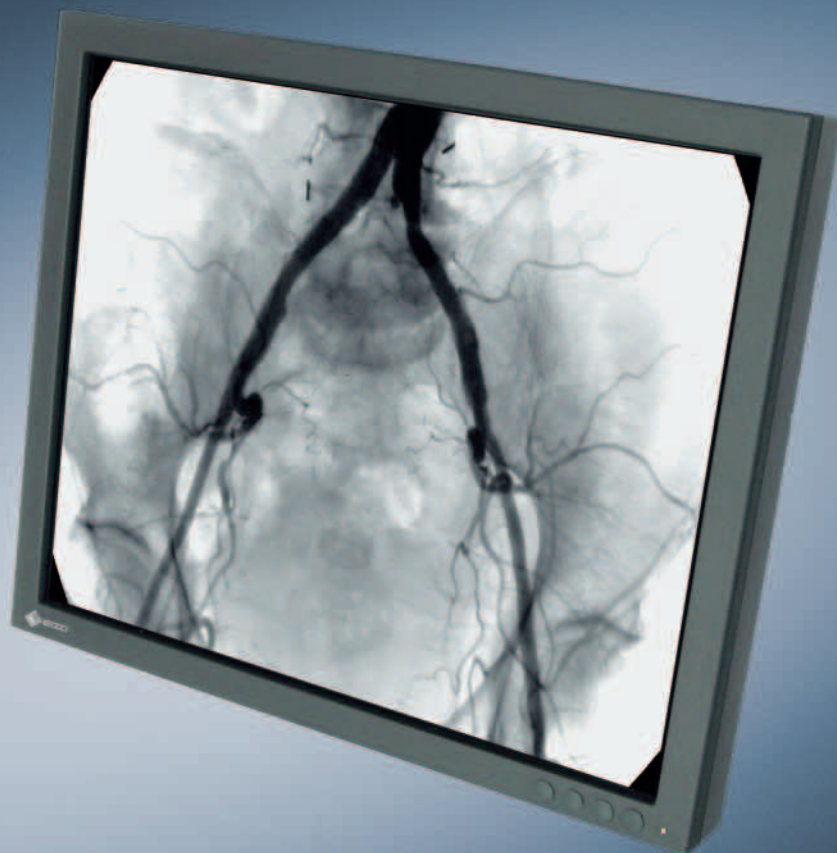


SMD 19102

1 MPixel 19" Gray Scale Flat Panel Display



- 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
- Code protected key pad to ensure proper alignment
- Built-in connector for spotmeter
- Internal silent power supply

display SOLUTIONS

EIZO SMD Series of gray scale displays meets the demanding requirements of Medical Imaging with the advantages of digital flat panel technology for reliable diagnosis.

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.



SMD 19102

1 MPixel 19" Gray Scale Flat Panel Display

Technical specifications	
Display performance	
Resolution	1280 x 1024
Display area (W x H) in mm	376 x 301
Panel technology	Gray Scale, TFT, IPS, dual domain
Viewing angle	170° H and V
Contrast ratio	900:1
Luminance	1000 cd/m ² (292 fL)
Calibrated luminance	DICOM, 400 cd/m ² (117 fL) CIE, 400 cd/m ² (117 fL) CRT, 400 cd/m ² (117 fL) Linear, 400 cd/m ² (117 fL)
LUT	10 bit
Number of gray shades	1024
Antireflection coating	Anti-glare
Signal inputs	
Connectivity	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
Force Mode	Yes
Signal output (Loop through)	
Connectivity	BNC
Supported signals	SoG
Analog properties	
Line frequency	30 ... 100 kHz
Frame rate	50 ... 100 Hz
Impedance	75 Ω/10 kΩ
Data interface	
Analog properties	RJ11, 6pin-MiniDIN, DVI
Supported signals	RS 232-Bus, DDC
Supported software	
SMfit® Total Care	Auto adjustment, stability, calibration and control tool (included in scope of delivery)
SMfit® Site Manager	Administrator tool
Backlight	
Technology	CCFL, blue tinted
ISS (Integrated Stability System)	Yes
Life time	45 000 h

Technical specifications	
Climatic conditions	
Operating temperature	5 ... +40 °C (32... +104 °F)
Within specifications	5 ... +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 ... 650 hPa
Power requirements	
Input voltage	100 ... 240 V AC, ± 10%
Power frequency	50 ... 60 Hz, ± 5%
Power consumption	< 58 W
Power save (analog)	DPMS
Power save (digital)	DVI-DMPM
Mechanical specifications	
Mechanical adaptation	VESA 100 mm x 100 mm
Degree of protection	• IP20 • IP22 (front) for SMD 19102 CP
Dimensions without stand (W x H x D) in mm	422 x 348 x 95
Weight without stand	6.4 kg
Weight with protective glass	7.0 kg
Weight with stand	11.4 kg
Design	
Mounting options	Ceiling suspension or desktop
Orientation	Landscape
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

Ordering data	
Model number	
Without stand: SMD 19102 C	6GF6211-2EE50
With protective glass, without stand: SMD 19102 CP	6GF6211-2EE60
With multifunctional stand: SMD 19102 D	6GF6211-2EE51
Accessories	
Cable kit for SMfit	6GF6980-1TA08
Fixed stand	6GF6280-1DG
Multifunctional stand	6GF6988-8AA01 (SMD 19102 C)
Multifunctional stand	6GF6988-8AA02 (SMD 19102 CP)
DVI transmission line (36 m)	6GF6010-ODA36

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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.