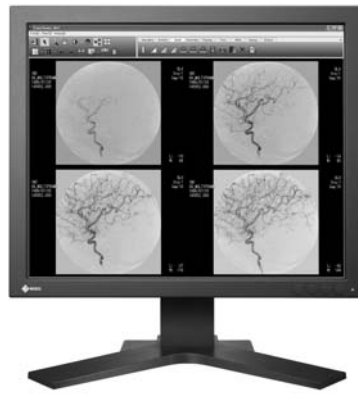




# Diagnostic Monitor SMD 19102





## 1MP SMD 19102

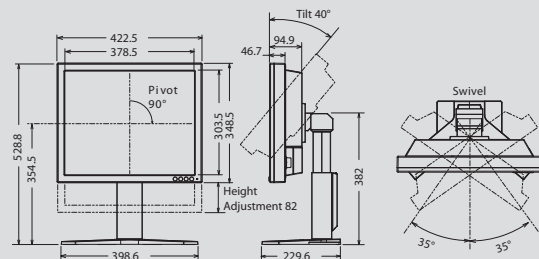
This one megapixel monochrome monitor accepts a wide range of current and legacy video, digital and RGB inputs. Its high brightness and contrast, combined with a cost effective design, create the perfect fit for many grayscale modalities and imaging environments.

- Grayscale tones adjusted at the factory to meet DICOM Part 14 standard for optimum viewing of medical DICOM images.
- Calibration compliant with the DICOM Part 14 to ensure continuing monitor quality control.
- 5 user defined 10-bit look-up table adaptable to diverse reading and viewing environments.
- Wide range of input support.
- Force Mode for tailoring the monitor to even the most specialized timing requirements.
- Last Image Hold (LIH) function reduces radiation exposure from legacy radiography systems (SMD 19102 DL only).

Model Variations	SMD 19102 D: With Stand SMD 19102 DL: With Stand, with Last Image Hold function SMD 19102 C: Without Stand SMD 19102 CP: Without Stand, with Panel Protector
Cabinet Color	Anthracite Gray
Panel Type	TFT Monochrome LCD Panel (IPS)
Panel Size	48 cm / 19" (481 mm diagonal)
Display Size (H x V)	376.0 × 301.0 mm
Pixel Pitch	0.294 × 0.294 mm
Native Resolution	1280 × 1024
Grayscale Tones	256 tones
Viewing Angles (H,V)	170°, 170°
Brightness (typical)	1,000 cd/m <sup>2</sup>
Recommended Brightness for Calibration	400 cd/m <sup>2</sup>
Contrast Ratio (typical)	900:1
Response Time (typical)	25 ms (On/Off)
Scanning Frequency (H, V)	Digital: 31 - 100 kHz, 48 - 85 Hz Analog: 24 - 100 kHz, 50 - 100 Hz
Dot Clock	135 MHz
Input Terminals	BNC (Composite, SoG) x 3, BNC (CVBS) x 1, DVI-I x 1, D-Sub mini 15 pin (Separate Sync, Composite Sync, SoG) x 1, S-Video x 1
Output Terminals (Loop Through)	BNC (SoG) x 1
LIH Function (SMD 19102 only)	Input: 3.5 mm phone jack x 1 Output: 3.5 mm phone jack x 1 Supported signals: BNC, VGA, DVI-D, CVBS, S-Video
Power Requirements	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz
Maximum Power Consumption / Save Mode	58 W / Less than 8 W

Power Management	Digital: DVI DMPM, Analog: VESA DPM
Sensor	Backlight Sensor
OSD Languages	English, German
Net Weight	SMD 19102 D, SMD 19102 DL: 10.7 kg SMD 19102 C: 6.4 kg SMD 19102 CP: 7 kg
Hole Spacing	VESA standard 100 x 100 mm
Degree of Protection	SMD 19102 D, SMD 19102 DL, SMD 19102 C: IP20 SMD 19102 CP: IP22 for front, IP20
Certifications and Standards*	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, FCC-A, RoHS, China RoHS, WEEE, CCC, GOST-R
Supplied Accessories	AC power cord, signal cable (DVI-D ~ DVI-D), Utility Disk (user's manual)
Warranty	Five Years

Dimensions (Unit: mm)



\* Please contact the EIZO subsidiary or distributor in your country for the latest information.



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