SMM 21106 LS (Stereo)

High Contrast Gray Scale Monitor

- CRT with anti-reflective and anti-static panel and dispenser cathode for long CRT life
- Automatic calibration of black level without external sensor, 20 minutes after power on and every 12 hours
- Constant Gamma for equal gray scale performance in multi monitor configurations, also over complete lifetime of CRT
- High contrast and brightness/ high resolution CRT, up to 235 fL (800 cd/m²), front-of-screen luminance through 46 % total transmission
- 1600 x 1280 addressability standard
- 1280 x 1024, 120 Hz stereo resolution standard
- Scan range of 70 ... 140 kHz horizontal and 50 ... 130 Hz vertical
- Microprocessor control of all internal monitor functions
- Front panel brightness, contrast and geometry controls are standard and can be disabled for calibrated applications
- Front panel control for image rotation
- Ambient light sensor for automatic contrast control

Brochure • November 2007

display SOLUTIONS

The Eizo SMM 21106 LS (Stereo) gray scale monitor is designed to meet the demanding requirements of Imaging and Mapping in stereo mode.

The monitor features high resolution at high luminance with low background levels for a wide dynamic range. The monitor's internal microprocessor controls all electrical and magnetic monitor functions, and continuously adjusts drive levels to maintain constant luminance over the life of the CRT. For each format, the dynamic focus ensures optimal sharpness at any point on the screen. The monitor is capable of storing up to 19 different timing formats. All formats are stored internally, including a full set of screen settings for each. Formats are selected and modified through the RS 232 serial port.

EIZO®

SMM 21106 LS (Stereo)
High Contrast Gray Scale Monitor

Technical specifications	
Power requirements	
Input voltage	100 ... 240 V AC, ± 5 % wide range power supply
Power frequency	47 ... 63.6 Hz
Power consumption	Max. 160 W
Power factor control	According to EN 61000
Power saving	According to VESA DPMS
CRT specifications	
Size	54 cm / 21", flat & square (landscape)
Deflection angle	90°
Light transmission	46 %
Phosphor type	P45, cadmium free
Surface	Multicoated conductive panel (AR/AS)
Gun system	Dispenser cathode (long life)
Focus	Static and dynamic
General performance	
Horizontal frequency	70 ... 140 kHz
Vertical frequency	50 ... 130 Hz
Formats	19 max., self recognizing and auto-scaling
Video amplifier, inputs	
Type	High contrast, high resolution supports 280 MHz pixelclock
Connectors	BNC type
Impedance	75 Ω
Video level	0.75 ... 1.2 V_{pp}
Front panel controls	
Controls	Power on/off, contrast, brightness
Geometry	H/V-phase, H/V-amplitude, pin & barrel, image rotation
Ambient light sensor	For automatic contrast control

Technical specifications	
Display performance	
Display area (W x H) in mm	400 x 300
Non-linearity	< 2 %
Raster stability	0.07 mm max. jitter
Maximum luminance	P45: ≥ 235 fL @ 0.7 V_{pp} input signal
High voltage regulation	0.2 % max. size change
Operation conditions	
Temperature	
• Operating	10 °C ... 35 °C, up to 40 °C with some restrictions
• Storage	-25 ... +70 °C
Humidity, relative	
• Operating	20 % ... 80 %
• Storage	20 % ... 80 %
Mechanical specifications	
Dimensions (W x Hx D) in mm	499 x 483 x 520
Weight	Approx. 32 kg
Approvals	
Safety	EN 60601-1 IEC 601-1 UL 2601-1 CSA C22.2 No. 601-1 DHHS / FDA
EMC	
• Emission	FCC Class A, MPR II, EN 60 601-1-2, Class B
Others	CE Mark Medical Device Class I EN ISO 9001, EN ISO 13 485 certified plant

Ordering data	
SMM 21106 LS (Stereo)	6GF6300-1EU01

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Published in Germany