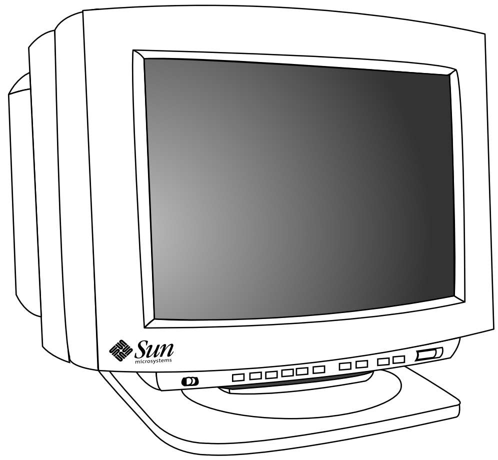
Sun 24-Inch Wide Screen Color Monitor

Just the Facts

Sun microsystems

Copyrights



Sun™ 24-Inch Wide Screen Color Monitor

The Sun™ 24-inch wide screen, 16:10 aspect ratio color monitor is a high resolution Trinitron display with digital multiscan capabilities. The monitor has a 22.5-inch diagonal size view that provides 30 percent more screen real estate than 20-inch monitors that have the same footprint.

The digital on-screen-display provides precise digital control over critical monitor settings in Expert mode and standard picture adjustments in Standard mode. The monitor has a maximum resolution of 1920 x 1200 @ 70 Hz.

The 24-inch wide screen color monitor is Sun's new high-performance Trinitron display for the upper mid- to high-end graphics and imaging markets. It is complimentary to Sun's existing monitor product line. The display will be supported on the following platforms:

- Ultra™ 30 workstation with Creator3D series 2 (vertical type) graphics board
- Future platforms with Creator3D x-options (horizontal-type) graphics board
- Low-end PCI graphics x-options

The primary target markets for the 24-inch wide screen monitor include: GIS/mapping and geological engineering, medical imaging, animation, visualization, biotechnology and chemistry, general science, graphics arts and publishing, and financial services.

Positioning

Key Messages

The monitor features:

- 24-inch wide screen, 16:10 aspect ratio for 30 percent more screen real estate
- 22.5-inch diagonal viewable image
- Super fine pitch, high-resolution, Trinitron display with digital multiscan capabilities
- Smaller dot pitch for better focus and sharper picture
- Supports resolutions up to 1920 x 1200 @ 70 Hz (16:10 mode)
- Front panel controls with digital on-screen display in two modes (normal and expert)
- Moire cancellation
- VESA DDC interface
- Power management
- Tilt-swivel capabilities
- Variable aperture grille pitch: 0.26 mm (center) – 0.29 mm (corner)
- Dual 13W3 and HD15 connector capabilities
- Conductive AR film coating to minimize glare

Availability

Available July 15, 1997.

Target Markets

With Creator3D graphics boards, the target markets are as follows:

Market	Applications
Oil and gas	• Visual simulation and analysis
Entertainment	• Animation • Corporate communications
Healthcare	• Medical imaging
EDA	• Chip design and simulation • Telecommunications
Publishing	• Newspaper/magazine production
CASE	• In-house software development • ISV development
Finance	• Stock and commodity trades • Banks

With low-end PCI graphics boards, the primary target markets are

- desktop publishing
- spreadsheet users who would benefit from dramatically large screen size and extremely fast floating point processing.

Features

Supported resolutions/timings: (16:10 aspect ratio/non-interlaced)	1920 x 1200 @ 70 Hz, 103 dpi 1600 x 1000 @ 76 Hz, 86 dpi 1600 x 1000 @ 66 Hz, 86 dpi 1440 x 900 @ 76 Hz, 77 dpi 1280 x 800 @ 76 Hz, 69 dpi ***Note:*** *The monitor is also capable of running any standard 4:3 aspect ratio resolution such as VGA, SVGA, 1152 x 900 and 1280 x 1024. However, to fully utilize the wide screen format we recommend using one of the 16:10 resolutions listed above.*
Picture tube size	24 inches diagonal measurement
Viewable image size:	22.5 inches diagonal measurement
Dot pitch:	Variable 0.26 mm (center) – 0.29 mm (corner)
Deflection frequency:	Horizontal: 30 to 96 kHz Vertical: 50 to 160 Hz
Input connectors:	13W3 captive cable HD15 connector (Front panel switch allows users to select connector type)
Front panel controls:	• Brightness • Contrast • Size • Center • Geometry (pincushion, tilt, etc.) • Convergence • Moire cancellation • Beam landing • Color temperature • Degauss • Reset
AC input voltage/current:	100 to 240 Volts, 50 to 60 Hz, 2.2. to 1.4 amps
Power consumption: (normal operation)	200 Watts maximum 170 Watts typical
Operating temperature:	10° C to 35° C
Operating humidity:	10 to 80 percent (non-condensing)
Altitude range:	Sea level to 3,048 meters (10,000 feet)

Features *(cont.)*

Compliant standards:	• UL 1950 • CSA C22.2, No. 950 • TUV/GS • EMKO-TSE (74-SEC) 207 • CB Scheme • ZH1/618 • EN 29241-3/ISO 9241-3 • DHHS • PTB • CE mark • FCC Class B • IC Class B • VCCI Class 2 • MPR II • TCO'92 • EPA Energy Star / NUTEK
Dimensions:	580 x 500 x 548 mm (w/h/d)
Weight:	41 kg (90 pounds, 6 ounces) approximately
Face plate treatment:	Conductive anti-reflective film coating

Specifications

- Horizontal frequency: 30 to 96 kHz
- Vertical frequency: 50 to 160 Hz
- Supported resolutions (16:10 modes):
  - 1920 x 1200 @ 70 Hz single buffered, 24-bit and 8-bit mode
  - 1600 x 1000 @ 76 Hz single buffered, 24-bit and 8-bit mode
  - 1600 x 1000 @ 66 Hz single buffered, 24-bit and 8-bit mode
  - 1440 x900 @ 76 Hz single buffered, 24-bit and 8-bit mode
  - 1280 x 800 @ 76 Hz double buffered, 24-bit and 8-bit mode

Note: *The monitor is also capable of running any standard 4:3 aspect ratio resolution such as VGA, SVGA, 1152 x 900, 1280 x 1024, etc. However, to fully utilize the wide screen format we recommend using one of the 16:10 resolutions listed above.*

Specifications *(cont.)*

- Signal input connections: 13W3 captive cable and HD-15 pin connector
- Standard anti-reflective coating
- Power consumption (normal operation): 200 Watts maximum, 170 Watts typical
- Universal power supply 100 to 120 or 200 to 240 Volts AC, 50 to 60 Hz
- Operating temperature range 10° C to 35° C
- Relative humidity: 10 to 80 percent, non-condensing
- Altitude range: Sea level to 3, 048 meters (10,000 feet)
- Dimensions: 580 mm (width) x 500 mm (height) x 548 mm (depth)
- Weight: 41 kg (90.6 pounds)

Regulation Compliance

- Safety:
  – UL 1950
  – CSA C22.2, No. 950
  – TUV GS mark
  – EMKO-TSE (74-SEC) 207
  – CB Scheme
- Emissions / EMI:
  – FCC Class B
  – CE mark
  – IC Class B
  – VCCI Class 2
  – TCO’92
  – MPR-II
- X-ray: DHHS and PTB
- Ergonomics:
  – ZH1/618
  – EN 29241-3/ISO 9241-3
- Power management: EPA Energy Star, NUTEK, VESA DPMS compliant

Ordering Information

New Sun Color Monitor

Order Number	Title and Description
X7124A	– 24-inch monitor only – Can only be used with Creator3D graphics card and with low end PGX graphics card.

Service and Support

SunSpectrum℠ is an innovative and flexible service offering that allows customers to choose the level of service best suited to their needs — ranging from mission-critical support for maximum solution availability to backup assistance for self-support customers. SunSpectrum provides a simple pricing structure in which a single fee covers support for an entire system, including related hardware and peripherals, the Solaris™ operating system software, and telephone support for Sun™ software packages. The majority of Sun's customers today take advantage of the SunSpectrum program, underscoring the value it represents. Customers should check with their local SunService℠ representative for program/feature variance and availability in their area.

FEATURE	SUNSPECTRUM℠ PLATINUM℠ Mission-Critical Support	SUNSPECTRUM℠ GOLD℠ Business-Critical Support	SUNSPECTRUM℠ SILVER℠ Systems Support	SUNSPECTRUM℠ BRONZE℠ Self Support
Systems Features				
Systems approach coverage	Yes	Yes	Yes	Yes
System availability guarantee	Customized	No	No	No
Account Support Features				
Service account management team	Yes	No	No	No
Personal technical account support	Yes	Yes	No	No
Account support plan	Yes	Yes	No	No
Software release planning	Yes	No	No	No
On-site account reviews	Monthly	Semi-annual	No	No
Site activity log	Yes	Yes	No	No
Coverage / Response Time				
Standard telephone coverage hours	7 day/24 hour	7 day/24 hour	8 a.m.–8 p.m., Monday–Friday	8 a.m.–5 p.m., Monday–Friday
Standard on-site coverage hours	7 day/24 hour	8 a.m.–8 p.m., Monday–Friday	8 a.m.–5 p.m., Monday–Friday	N/A
7 day/24 hour telephone coverage	Yes	Yes	Option	No
7 day/24 hour on-site coverage	Yes	Option	Option	N/A
Customer-defined priority setting	Yes	Yes	Yes	No
– Urgent (phone/on-site)	Live transfer/ 2 hour	Live transfer/ 4 hour	Live transfer/ 4 hour	4 hour / N/A
– Serious (phone/on-site)	Live transfer/ 4 hour	2 hour/next day	2 hour/next day	4 hour / N/A
– Not critical (phone/on-site)	Live transfer/ customer convenience	4 hour/ customer convenience	4 hour/ customer convenience	4 hour / N/A
Additional contacts	Option	Option	Option	Option

Service and Support *(cont.)*

FEATURE	SUNSPECTRUM PLATINUM Mission-Critical Support	SUNSPECTRUM GOLD Business-Critical Support	SUNSPECTRUM SILVER Systems Support	SUNSPECTRUM BRONZE Self Support
Enhanced Support Features				
Mission-critical support team	Yes	Yes	No	No
Sun Vendor Integration Program (SunVIP™)	Yes	Yes	No	No
Software patch management assistance	Yes	No	No	No
Field change order (FCO) management assistance	Yes	No	No	No
Remote Systems Diagnostics				
Remote dial-in analysis	Yes	Yes	Yes	Yes
Remote systems monitoring	Yes	Yes	No	No
Remote predictive failure reporting	Yes	Yes	No	No
Software Enhancements and Maintenance Releases				
Solaris enhancement releases	Yes	Yes	Yes	Yes
Patches and maintenance releases	Yes	Yes	Yes	Yes
Sun unbundled software enhancements	Option	Option	Option	Option
Internet and CD-ROM Support Tools				
SunSolve™ license	Yes	Yes	Yes	Yes
SunSolve EarlyNotifier℠ service	Yes	Yes	Yes	Yes

Glossary

DDC — An industry standard developed by VESA to define a communications channel between a monitor and the host system.

Moire — A distracting pattern of alternating light and dark bands visible on the display of a color CRT. These bands are usually stationary but sometimes they may be observed to be jittering back and forth.A moire interference pattern is caused by the overlay of two geometrically regular patterns. One of the patterns is comprised of the CRT's phosphor deposition and the other pattern is the displayed image, usually dithered gray. This applies only to color CRTs.

VESA — Video Electronics Standards Association.

Materials Abstract

All materials will be available on SunWIN except where noted otherwise.

Collateral	Description	Purpose	Distribution	Token # or Hibbert order #
Powerpack				
– *Sun™ 24-inch Wide Screen Color Monitor Just the Facts*	Reference guide for the 24-inch monitor	Training Sales tool	SunWIN, Reseller web	70215
References				
– *Sun Intro, 7/97*	Introduction e-mail	Sales tool	SunWIN, Reseller web, E-mail	70016 70017
– *Sun Ultra™ 30 Just the Facts*	Reference guide for the Sun Ultra 30 workstation	Training Sales tool	SunWIN, Reseller web	67440
– *Sun Ultra™ 30 Just the Facts*	Reference guide for the Sun Ultra 30 workstation	Training Sales tool	SunWIN, Reseller web	67440