

Multiscan® Computer Display

GDM-F500R

SONY

FD Trinitron® – Unprecedented image performance, featuring the finest aperture grille pitch available (0.22mm) and flattest Trinitron® display ever, gives demanding CAD and graphic professionals the edge



Multiscan F500R Computer Display

- **21" (19.8" VIS) FD Trinitron CRT** – Virtually-flat, high-resolution screen delivers outstanding image quality with reduced glare
- **Tightest Aperture Grille available** – 0.22mm pitch across the entire screen
- **Digital Multiscan® Technology** – Supports multiple PC and Mac resolutions up to 2048 x 1536 @ 75Hz
- **High-contrast black screen coating** – Produces superior contrast and grayscale performance
- **HiDensity™ Electron Gun with Enhanced Elliptical Correction System™** – For consistent, accurate focus across the screen, even in the corners.
- **DisplayMouse™ OSD menu control** – Simplifies monitor set-up, troubleshooting and adjustment
- **Accurate Image Restoration** – Resets display to original factory brightness and contrast settings
- **Active Signal Correction (ASC™) circuitry** – Provides instant sizing and centering at the touch of a single button
- **USB Compatible** – Built-in, self-powered USB hub with one upstream and four downstream ports



FD Trinitron
The definition of definition.

Specifications

Multiscan® Computer Display

GDM-F500R

Model GDM-F500R	Operating Temperature 50°F-104°F (10°C-40°C)
CRT 21" FD Trinitron®	Operating Humidity 10%-80% (Non-Condensing)
Viewable Image Size 19.8"	Regulation and Standard Compliance
Aperture Grille Pitch 0.22mm	Safety: UL 1950 CSA 22.2 No. 950 EN60950 (TUV, GS mark)
Screen Treatment Anti-Reflective Coating	Emission/EMI: FCC Class B IC Class B MPR II TUV (full compliance) TCO '99
Electronic Gun HiDensity™ Electron Gun with Enhanced Elliptical Correction System™ technology	X-ray: DHHS DNHW PTB
Horizontal Scan Range 30-121kHz	Ergonomics: ZH1/618, ISO9241-3, -7, -8
Vertical Scan Range 48-160Hz	Designed for: Microsoft Windows® 2000 Windows® 98 Macintosh Compatible
Maximum Resolution 2048 x 1536 @ 75Hz	Plug & Play: DDC-1, DDC-2B, DDC-2Bi DMI Compliant
Preset Resolutions (27 modes) 640 x 480 @ 60Hz VGA Graphics 640 x 480 @ 85Hz VESA 800 x 600 @ 85Hz VESA 832 x 624 @ 75Hz Macintosh® 16" 1024 x 768 @ 75Hz Macintosh® 19" 1024 x 768 @ 85Hz VESA 1152 x 864 @ 75Hz VESA 1152 x 870 @ 75Hz Macintosh 2-page 1280 x 1024 @ 75/85Hz VESA 1600 x 1200 @ 75/85Hz VESA 1800 x 1350 @ 85Hz Sony 1800 x 1440 @ 80Hz Sony and others	VESA: Generalized Timing Formula (GTF)
Color Temperature Presets 5000 Kelvin 6500 Kelvin 9300 Kelvin User-adjustable Settings (Bias/Gain Control) sRGB	Front Panel Digital Controls Power On/Off Active Signal Correction (ASC™) Reset Brightness Contrast Input Switching Button On-Screen Display (OSD) Brightness/Contrast H/V Size H/V Centering Zoom Raster Rotation Pincushion Pin Balance Keystone Key Balance Color Temperature sRGB H/V Convergence: Top/Bottom V Convergence Landing Correction (4 Corners) Moiré Cancellation Moiré Adjustment Manual Degauss H/V OSD Position Image Restoration Control Lock Multi-Language Select (9 languages)
Signal Inputs Analog RGB 0.7Vp-p, 75ohm (typical)	Supplied Accessories Tilt Base/Wide Angle Swivel (±90°) Stand Video Signal Cable (15 pin mini D-sub) AC Power Cord Macintosh Adapter Windows 95/98 inf. Diskette USB Cable
External Sync Signals Separate/Composite 1-5Vp-p, polarity-free TTL Sync on Green: 0.3Vp-p, negative	Limited Warranty 3 Years - Parts, Labor and CRT
Input Connector 15 pin mini D-sub and 5 BNC connectors	
Power Requirements 90-264V AC; 50-60Hz	
Power Management International Energy Star, NUTEK and VESA DPMS Compliant Operation: 145 watts (maximum) Suspend: 15 watts (maximum) Active Off: 1 watt (maximum) Power Off: <0 watt	
Dimensions (WxHxD) 19.8" x 20.0" x 18.7"	
Weight 70.5 lbs	

Multiscan® FD Trinitron® displays offer the very latest in advanced CRT display technology from Sony: the FD Trinitron CRT. These virtually flat CRTs minimize geometric distortion and reduce reflective glare that may cause eyestrain. Designed with the demanding CAD and graphic professionals in mind, the Multiscan F Series sets a new level of image performance, ease of use and reliability.

The stunning images produced by this display are a result of Sony's new HiDensity™ Electron Gun with Enhanced Elliptical Correction System™ technology. The tight 0.22mm aperture grille pitch delivers sharp, detailed color images consistently across the entire screen – especially in the corners. Digital Multiscan® and Active Signal Correction (ASC™) technologies allow for easy set-up, regardless of the input signal or resolution. And with broad horizontal scan rates available, resolutions as high as 2048 x 1536 @ 75Hz are possible.

Our unique DisplayMouse™ control is easy-to-use and allows for precise manual adjustment of the image to fit individual user preference. Sony left nothing to the imagination with this display, including GeoLock Plus™ circuitry. This feature will automatically sense and neutralize electromagnetic fields that can cause image or color distortion, which is commonly noticeable on large screen displays.

SONY

Sony Electronics Inc.
3300 Zanker Road, San Jose, California 95134
For more information: 1.800.352.SONY
Web address: <http://www.sony.com/displays>

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This display is not manufactured to any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware option except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of non-Sony products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance.

©2000 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, the Sony logo, Multiscan, Trinitron, DisplayMouse and The Definition of Definition are trademarks of Sony. Microsoft, the Windows Logo and Windows are registered trademarks of Microsoft Corporation. Mac and Macintosh are trademarks of Apple Inc. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.

This monitor is Energy Star Compliant when used with a computer equipped with VESA Display Power Management Signaling (DPMS). As an International Energy Star Partner, Sony Corporation has determined that this product meets the International Energy Star Program for energy efficiency. The Energy Star emblem does not represent EPA endorsement of any product or service. Screen images are simulated.

D194
Printed in U.S.A. 2/00

Designed for

