

Multiscan® Computer Display

GDM-F500R

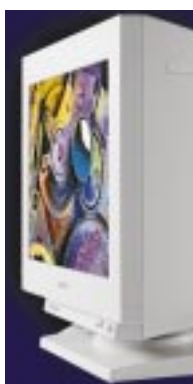
SONY

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

CRT
21" FD Trinitron®

Viewable Image Size
19.8"

Aperture Grille Pitch
0.22mm

Screen Treatment
Anti-Reflective Coating

Electronic Gun
HiDensity™ Electron Gun with Enhanced Elliptical Correction System™ technology

Horizontal Scan Range
30-121kHz

Vertical Scan Range
48-160Hz

Maximum Resolution
2048 x 1536 @ 75Hz

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

Color Temperature Presets
5000 Kelvin
6500 Kelvin
9300 Kelvin
User-adjustable Settings (Bias/Gain Control)
sRGB

Signal Inputs
Analog RGB
0.7Vp-p, 75ohm (typical)

External Sync Signals
Separate/Composite 1-5Vp-p, polarity-free TTL
Sync on Green: 0.3Vp-p, negative

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

Operating Temperature
50°F-104°F (10°C-40°C)

Operating Humidity
10%-80% (Non-Condensing)

Regulation and Standard Compliance
Safety: UL 1950
CSA 22.2 No. 950
EN60950 (TUV, GS mark)
Emission/EMI: FCC Class B
IC Class B
MPR II TUV (full compliance)
TCO '99
X-ray: DHHS
DNHW
PTB
Ergonomics: ZH1/618, ISO9241-3, -7, -8
Designed for: Microsoft Windows® 2000
Windows® 98
Macintosh Compatible
DDC-1, DDC-2B, DDC-2Bi
DMI Compliant
Plug & Play: Generalized Timing Formula (GTF)
VESA:

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)

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

Limited Warranty
3 Years - Parts, Labor and CRT

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

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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.

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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.

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Designed for

