

Multiscan® Computer Displays with FD Trinitron GDM-F500 and GDM-F400

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

F Series

- **Tightest Aperture Grille Pitch Available** – 0.22mm aperture grille pitch across the entire screen
- **Bright Picture, Sharp Images** – Sony's new HiDensity™ Electron Gun with Enhanced Elliptical Correction System™ technology
- **Digital Multiscan® Technology** – Supports the broadest range of PC and Mac® display resolutions
- **Stable, Consistent Color And Images** – Sony's GeoLockPlus™ circuitry provides improved color and brightness uniformity
- **Easy To Navigate On-Screen Display** – DisplayMouse™ control allows for quick, smooth adjustments of the digital controls
- **Instant Sizing And Centering Of Image** – Active Signal Correction (ASC™) circuitry provides easy image adjustment at the touch of a single button
- **Generalized Timing Formula (GTF)** – Insures compatibility with varying video standards, reduces set-up time and maximizes the performance of the display system
- **Reduced Depth Design** – Smart cable design allows for overall shorter depth of display on desktop
- **Comprehensive Digital OSD** – Six languages with features such as image zoom, color and temperature adjustment, control lock, landing correction and information screen
- **Dual Input Control** – 15 pin mini D-sub and 5 BNC connector options
- **USB Compatibility** – Self-powered USB hub built into base with one upstream and four downstream ports



GDM-F500 Sony FD Trinitron Computer Display

CRT: 21" FD Trinitron (19.8" Viewable Image Size)
Horizontal Scan Range: 30-121kHz
Vertical Scan Range: 48-160Hz
Maximum Resolution: 1800 x 1440 @ 80Hz
Dimensions (WxHxD): 19.8" x 20.0" x 19.1"
Weight: 70.5 lbs



GDM-F400 Sony FD Trinitron Computer Display

CRT: 19" FD Trinitron (18" Viewable Image Size)
Horizontal Scan Range: 30-107kHz
Vertical Scan Range: 48-120Hz
Maximum Resolution: 1600 x 1200 @ 85Hz
Dimensions (WxHxD): 17.5" x 18.7" x 17.9"
Weight: 60.6 lbs

Specifications

CRT

GDM-F500: 21" FD Trinitron®
GDM-F400: 19" FD Trinitron®

Viewable Image Size

GDM-F500: 19.8"
GDM-F400: 18"

Aperture Grille Pitch
0.22mm

Screen Treatment

Anti-Reflective Coating

Electron Gun

HiDensity™ Electron Gun with Enhanced Elliptical Correction System™ technology

Horizontal Scan Range

GDM-F500: 30-121kHz
GDM-F400: 30-107kHz

Vertical Scan Range

GDM-F500: 48-160Hz
GDM-F400: 48-120Hz

Maximum Resolution

GDM-F500: 1800 x 1440 @ 80Hz
GDM-F400: 1600 x 1200 @ 85Hz

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 (GDM-F500 only)
1800 x 1440 @ 80Hz Sony (GDM-F500 only)
and others

Color Temperature Presets

5000 Kelvin
6500 Kelvin
9300 Kelvin
3 User-Adjustable Settings (Bias/Gain Control)

Signal Inputs

Analog RGB
0.7Vp-p, 75ohm Termination

External Sync Signals

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

Input Connectors

15 pin mini D-sub and 5 BNC connectors

Power Requirements

100-240V AC; 50-60Hz

Power Management

International Energy Star, NUTEK and VESA
DPMS Compliant
GDM-F500

Operation: 140 watts (maximum)
Suspend: 8 watts (maximum)
Active Off: 1 watt (maximum)
Power Off: <1 watt

GDM-F400

Operation: 160 watts (maximum)
Suspend: 10 watts (maximum)
Active Off: 3 watts (maximum)
Power Off: <1 watt

Dimensions (WxHxD)

GDM-F500: 19.8" x 20.0" x 19.1"
GDM-F400: 17.5" x 18.7" x 17.9"

Weight

GDM-F500: 70.5 lbs
GDM-F400: 60.6 lbs

Operating Temperature

50°F-104°F (10°C-40°C)

Operating Humidity

10%-80% (Non-Condensing)

Regulation 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 95

X-ray: DHHS
DNHW
PTB

Ergonomics: ZH1/618, ISO9241-3, 8
Designed for: Microsoft Windows® 2000
Windows® 98
Macintosh Compatible

Plug & Play: DDC-1, DDC-2B/A, DDC-CI
DMI Compliant

VESA: Generalized Timing Formula (GTF)

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
H/V Convergence: Top/Bottom
Landing Correction (4 Corners)
Moire Cancellation
Manual Degauss
Power Save Delay
H/V OSD Position
Control Lock
Multi-Language Select (6 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

F Series Multiscan® Computer Displays with FD Trinitron® GDM-F500 and GDM-F400

The 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 1800 x 1440 @ 80Hz (F500) 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. The F Series is designed for Windows 2000 and Windows 98, is Macintosh compatible and meets or exceeds all of the industry safety standards, including TCO 95 compliance.



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.

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Designed for



Microsoft®
Windows® 98



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