

EO 2005



21" COLOR

20.0" VIEWABLE

MONITOR

new pigmented Super High Contrast phosphor, 0.25mm diagonal dot pitch, and ultra fast 270MHz video dot clock, this powerhouse displays an astounding, crystal clear maximum resolution of 1920 x 1440 at 73Hz or a flicker-free 1600 x 1200 at 85Hz vertical refresh. A unique "NotebookPort" on the front of the monitor allows easy access for notebook users and to switch between notebook and desktop screens. The EO2005 complies with TCO '99 for low emissions, safety, ergonomics, recycling and power management.

FEATURES:

- 21" (20" VIS) Anti-Reflection and Anti-Static Super High Contrast FST CRT with Pigmented Phosphor and Invar Shadow Mask
- 0.25mm Super Fine Diagonal Dot Pitch
- 1920 x 1440 @ 73Hz Maximum Resolution
- 1600 x 1200 @ 85Hz Recommended Resolution
- 270MHz Ultra Fast Video Dot Clock
- PreVu™ OSD with Coloright™
- "NotebookPort", a 2nd VGA Input on the front of the Monitor that is Switchable with Setup Memory
- Full Three-Year Limited Warranty
- TCO '99 Compliant

The EO2005 21" (20" VIS) display from Princeton is designed to please the most discriminating professionals of high level graphics, CAD/CAM/CAE, Prepress, desktop publishing and text applications. With its 110kHz chassis,

PRINCETON®

FEATURES AND BENEFITS

Large 21" (20.1" viewable) screen size

A larger viewing area means more workspace and less scrolling with the mouse or scroll keys.

Super High Contrast CRT Design

The design of Electron Guns facilitate greater energy flow enhancing the image contrast. The result is excellent visible detail for high-level graphics and desktop publishing applications.

0.25mm super fine diagonal dot pitch (0.22mm horizontal dot pitch)

A finer dot pitch provides image sharpness and clarity right down to the pixel. The result is excellent visible detail for high-level graphics and desktop publishing applications.

1920 x 1440 @ 73Hz maximum resolution

The higher the resolution, the smaller the individual pixel, the more displayable information. Therefore, the EO2005 is ideal for anyone who operates in multiple windows large documents.

270MHz ultra fast video dot clock

A faster video response is needed to maintain image sharpness and clarity at the highest resolutions

TCO '99 compliance

Complies with strict European standards for low emissions, safety, ergonomics, recycling and power management.

Plug and Play, VESA® DDC1/DDC2B

Trouble-free installation of the monitor to Windows®, MAC®** and platforms, in addition to ease of asset database management.

Multi-language OSD

Flexible for use with multiple user languages.

PreVu™ OSD with Coloright™ controls

Advanced OSD features provide optimum flexibility to suit individual user preferences. The Coloright™ hardware feature provides color balance control to exactly match the on-screen color to the printed output color.

"NotebookPort" VGA Input Connector

The "NotebookPort" mounted on the front of the bezel allows notebook users the convenience of connecting the output of their portable computer through a VGA cable. The front mounted button allows switching between the desktop and laptop screens. The monitor remembers the setting for each input so different formats can be used.

Compatibility

PC and MAC®**.

CRT Size/Type	21.0" (20.0" VIS) anti-reflection, anti-static, high contrast FST (Fast Square Tube) with an advanced in-line high resolution electron gun, Invar shadow mask and pigmented medium-short phosphor
Pitch	0.25mm
Maximum Resolution	1920 x 1440 @ 73Hz
Recommended Resolution	1280 x 1024 @ 85Hz
Display Colors	Unlimited
Active Display Area	Default: 15.4" x 11.5" (390mm x 292mm) Overscan: 16.1" x 12.1" (410mm x 307mm)
Compatibility	VESA® 1920 x 1440 @60Hz, VESA® 1792 x 1344 @75Hz, VESA® 1600 x 1200 @85/75Hz, VESA® 1280 x 1024 @85/75Hz, VESA 1152 x 864 @75Hz, VESA® 1024 x 768 @85/75Hz, VESA® 800 x 600 @85/75Hz, VESA® 640 x 480 @75Hz, XGA/2, XGA/IBM 8514/A, Super VGA, VGA, Macintosh™, SPARCStation™, and more
Plug & Play	VESA® DDC1/2B, DDC/CI
Horiz/Vert Frequency	30kHz ~110kHz / 50Hz ~160Hz
Input Signal	Video: Analog 0.7 V _{pp} /75 Ohm Sync.: Separate and composite TTL level
Input Connector/Cable	Two (front and rear) 15-pin mini D-sub connectors and BNC; Two cables: a 6 ft. (1.8m) D-sub detachable cable and a 4 ft. (1.2m) D-sub detachable cable
User Controls	Front: Power On/Off, OSD, D-sub input, Input Select, OSD Buttons, Brightness, Contrast Rear: D-Sub/BNC Select PreVu™ OSD: Contrast, Brightness, Horizontal Size, Horizontal Position, Vertical Size, Vertical Position, Side Pincushion, Pincushion Balance, Trapezoid, Parallelogram, Rotation, Color Control (9300K, 6500K, 5300K, User), Horizontal Moire, Vertical Moire, Horizontal OSD Position, Vertical OSD Position, Language Select (English, French, German, Italian, Spanish), Degauss, Recall
Power Supply	100-240V _{ac} 50/60Hz universal
Power Consumption	On: <100W normal 150W max.; Standby: <15W; Suspend: <15W, Active Off: 5W
Video Dot Clock	270MHz nominal
Dimensions (W x H x D)	unit: 20.2" x 22.7" x 20.1" (513mm x 577mm x 510mm) Carton: 22.0" x 24.8" x 22.8" (560mm x 630mm x 580mm)
Weight	Net: 61.3 lb. (27.8 kg) Gross: 66.1 lb. (30.0 kg)
Power Management	VESA® DPMS™, EPA Energy Star® and TCO (NUTEK®) compliant
Agency Approvals	UL, CSA, SEMKO, TUV/GS, TUV/Ergo, FCC-B, DHHS, EN60555-2, MPRII, CE, TCO '99,
Warranty	3 years on parts, 3 years on CRT, 3 years on labor

COMPARE EO2005 TO THE COMPETITION

	Princeton EO2005	COMPAQ V1000	Dell M1110	Nokia 445XiPlus	Viewsonic P815
Viewable Image Size (inches)	20.0	20.0	20.0	19.69	20.0
Diagonal Dot Pitch (mm)	0.25	0.26	0.28	0.22 (Horizontal)	0.25
CRT Type	High Contrast FST	High Contrast FST	FST	FST	FST
Horizontal Freq.(khz)/Vertical Freq.(khz)	30-110/50-160	30-107/48-160	30-107/48-160	30-110/50-150	30-115/50-160
Bandwidth/Dot clock (mhz)	270	229.5	Not Available	270	250
Maximum Resolution	1920 x 1440 @ 73Hz	1600 x 1200 @ 85Hz	1600 x 1200 @ 85Hz	1600 x 1200 @ 88Hz	1800 x 1440 @ 76Hz
OSD	Yes	Yes	Yes	Yes	Yes
TCO Compliance	TCO '99	TCO '95	TCO '95	TCO '95	TCO '95
VESA® DPMS™ Power Saving	Yes	Yes	Yes	Yes	Yes
VESA® DDC Plug and Play	Yes	Yes	Yes	Yes	Yes
Warranty (parts, CRT, labor-yrs)	3,3,3	3,3,1 on-site	3,3,3 (with a Dell system)	3,2,3	3,3,3

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