

DPP500

The award-winning DPP500 offers a 14-inch Direct Digital, multimedia LCD solution ideal for corporate, SOHO, and general business applications.

14-inch Digital Multimedia LCD Monitor

- True XGA 1024x768 Maximum Resolution
- PanelLink (TMDS) Direct Digital Interface
- Anti-Glare/Hard Screen Coating
- Three-Year Warranty
- Standard First-Year 48-hour Advance Replacement Warranty*
- TCO '99

* Continental U.S. only

The technology leading DPP500 features Direct Digital technology in a 14" TFT-LCD panel for phenomenal front-of-screen performance. The DPP500 is well suited for HMO's, hospitals, Wall Street, and any area where desktop space is limited. The DPP500 is a Direct Digital display that utilizes the PanelLink (TMDS) digital standard so the signal remains digital from the computer to the display. The result is crisp, clear images without perceptible noise or misfocus. Without the need for an analog-to-digital converter, the DPP500 costs the same or less than most comparable analog panels in its class for a reduced Total Cost of Ownership (T.C.O.) over the monitor's life span.

SPECIFICATIONS

Digital Flat Panel Type	14.0" TFT-LCD, anti-glare/hard coating
Displayable Resolution	XGA 1024x768 max.
Pixel Dimension	0.278mm x 0.278mm
Display Colors	262,144 colors max. (18 bit)
Viewing Angle	Horizontal: $\pm 65^\circ$ min. Vertical: $\pm 60^\circ$ min.
Tilt and Swivel	Swivel: 90° , Tilt: 35° upward, 5° downward
Contrast Ratio	150:1 min.
Brightness	150 cd/m ² min.
LCD Response Time	50 ms
Active Display Area	11.2" x 8.4" (H x V)
Interface	Digital Flat Panel (DFP)
User Controls	Power, brightness and software controls adjusted via operating system
Power Management	Energy Star [®] compliant, VESA [®] DPMS [™] compatible
Power Rating (AC Adapter)	Input: Switching 90-132 V _{AC} , 195-265 V _{AC} , 60/50Hz Output: 12V _{DC}
Power Consumption	15W max.
Dimensions (W x H x D)	14.6" x 14.2" x 10.2"(370mm x 360mm x 260mm) including the base
Weight	10.4 lbs with base
Accessories:	Power cord, AC adapter, 1 stereo audio cable, 1 microphone cable

Video Cable	Captive 1.8m Digital Flat Panel MDR20
Audio	Built-in stereo speakers and microphone (speakers may require external amplification source)
Temperature	Operating : +10°C +40°C Storage: -30°C +60°C
Compliance	UL 1950, CSA, DHHS, TUV, CE, FCC-B, EPA® Energy Star SM
Display Compatibility	DPP 500 is compatible with Digital Flat Panel Port (DFP) standards and uses a MDR20, 20-Pin Connector
Video Graphics Card Compatibility	Works with any graphics card that supports DFP protocol and MDR20 connector such as ATI XPERT LCD graphics card (AGP slot version) and requires Windows 95/98 (For information on additional card versions, contact ATI Technologies directly)
Warranty	3 years on parts, 3 years on back light, 3 years on labor, 1 year 48-hour advance replacement

FEATURES and BENEFITS of the DPP500

Feature	Benefit
Pure Digital Interface	Superior front-of-screen performance—no adjustment needed to minimize noise level. In addition, ghosting, color registration and smearing are eliminated.
XGA (Natural Native Resolution) TFT (Thin-Film Transistors) Display	Edge sharpness and detail far superior to analog LCD displays, as well as high-end CRT monitors designed for resolutions up to 1024x768.
PanelLink (TMDS) MDR-20 Pin Input Connector	Standard in graphics digital interface endorsed by VESA , as well as computer and graphics card manufacturers globally.
Built-in Speakers* and Microphone	Convenient for connection in a multimedia environment.
Auto Full-Screen Scaling Capability	DPP500 automatically upscales to full screen when switched to a lower resolution, so that no user adjustments are necessary.
10.4 lbs. Net Weight (including base)	DPP500 can be easily transported to various locations.
Full 3-Year Warranty	Parts, labor, and backlight operating life are guaranteed for a full three years.
Standard First Year 48-Hour Advance Replacement Program	Hassle-free warranty significantly reduces downtime in case of equipment malfunction.

*External amplification source may be necessary

Compare DPP500 to the COMPETITION

Features	<i>Princeton DPP500</i>	ViewSonic VP140	NEC LCD400V	Panasonic PanaFlat LC40	Sony CPD-L133
LCD Panel Size	14.0	14.0	14.1	14.0	13.3
LCD Panel Type	Active Matrix TFT- LCD	Active Matrix TFT- LCD	Active Matrix TFT- LCD	Active Matrix TFT- LCD	Active Matrix TFT- LCD
Interface	Digital	Analog	Analog	Analog	Analog
Brightness	150 nits (typical)	200 nits (typical)	200 nits (typical)	Not Available	200 nits (typical)
Contrast Ratio	150:1 (typical)	150:1 (typical)	100:1 (typical)	120:1 (typical)	200:1 (typical)
Multimedia	Yes	No	No	No	No
MPR II Low Emissions	Yes	Yes	Yes	TCO '92	Yes
Warranty (parts, backlight, labor- yrs)	3, 3, 3	3, 1, 3	3, 3, 3	3, 3, 3	3, 1, 3
Standard 1 st Year 48-hour Replacement	Yes	No	No	Yes	No

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- Specifications gathered from available published information as of 4/1/99

Additional Princeton Flat Panel Product Offering:

Features	APP560	DPP550	DPP560	DPP800
Interface	Analog	Digital	Digital	Digital
LCD Panel Size (inches)	15.0	15.0	15.0	18.1
LCD Panel Type	Active Matrix TFT-LCD	Active Matrix TFT-LCD	Active Matrix TFT-LCD	Active Matrix TFT-LCD
Contrast Ratio	300:1	300:1	300:1	230:1
Brightness	200 cd/m ²	200 cd/m ²	200 cd/m ²	200 cd/m ²
Native Resolution	XGA, 1024 x 768	XGA, 1024 x 768	XGA, 1024 x 768	SXGA, 1280 x 1024
Pivot Enabled	Yes	No	Yes	No
USB	Yes	No	Yes	Yes
TCO Compliance	TCO '99	TCO '99	TCO '99	TCO '99
VESA DPMS Power Saving	Yes	Yes	Yes	Yes
VESA DDC Plug and Play	Yes	Yes	Yes	Yes
Warranty (parts, CRT, labor-yrs)	3, 3, 3	3, 3, 3	3, 3, 3	3, 3, 3
Standard 48-Hour Replacement	Yes	Yes	Yes	Yes

Product Design and Specification Subject to change without notice
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