NEC

30" LCD DISPLAY

Providing visual display solutions to a wide variety of users for many years, NEC LCD monitors have set the standard for flat-panel technology and continue to offer new ways to enhance visual experiences. Our visual solutions provide users with a diverse range of options to help them see their digital world more clearly and support them in achieving their goals.

Building on this tradition of quality and innovation, NEC's new 30" LCD display features the latest in advanced LCD technologies and creates a new option for those in the public display market. As the largest screen size LCD display commercially available, this model carries with it all of the benefits users have come to value in NEC's smaller-sized LCD displays. In addition to an expansive screen, these benefits now can be enjoyed in a variety of applications, including conference rooms, public information kiosks, retail signage, financial exchange and trade show exhibits.

The 30" LCD's screen performance brings ideas to life, capturing the attention and imagination of viewers and ensuring that messages reach audiences with maximum clarity and impact.

Sized to please. Filling the gap between flat panels designed for the desktop and those intended for larger venues, this 30" monitor offers the public display market another option for a variety of visual display needs. It also fills the void left by larger-sized CRT monitors, which are no longer available.

Features and Benefits

30" diagonal screen size adds a new option to public display visual offerings

Superior resolution allows for crisp text and precise images

No permanent image burn-in contributes to optimal screen performance and longer monitor life

XtraView® technology allows for wide-angle viewing

DDC/CI capabilities allow control commands to be sent directly to the monitor through a standard PC or over an existing network by a system administrator

CableComp™ automatic long cable compensation prevents image quality degradation caused by long cable lengths

User-friendly, efficient design features the currently proposed VESA-standard mounting and an overall lightweight construction for easy transport and installation

Optional attachable speakers deliver an enhanced multimedia experience with amazing sound quality

Low power consumption and reduced heat emission lead to a lower total cost of ownership

Multi-screen capabilities allow you to build virtually seamless video walls

Rapid Response™ time of 25ms delivers uninterrupted, undistorted viewing of full-motion video

OnScreen Manager (OSM®) puts you in complete control of display setting adjustments

NEC's quality and reliability provide peace of mind with a limited 1-year parts and labor warranty (including backlight) and 24/7 customer service and technical support

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Expanding public display options with

SUPERIOR

screen performance.

Superior screen performance. The 30" LCD display takes advantage of the many display technologies that have made LCD monitors so popular over the years and delivers them through an expansive screen featuring a wide aspect ratio. The monitor's 1280 x 768 (WXGA) resolution optimizes on-screen text, images and video with remarkable precision and clarity, allowing onlookers to clearly view presentations, charts, advertisements, pricing and other public display information.

With some screen technologies, leaving the display on for a long period of time would burn the image into the screen. As can be noted with phosphor-based public displays, the image would remain permanently "engraved" into the display, rendering it useless. Since this display does not use phosphors in its construction, burn-in is not a possibility, thereby contributing to optimal screen performance and a longer life for the monitor.

In applications where spectators are situated at various angles in front of the screen or where they are passing by the display, the 30" LCD display provides an undistorted view of the screen. Using XtraView wide-angle viewing technology, this monitor provides flexible 170° horizontal and vertical viewing angles (85° up, down, left and right) with less glare, reflection and distortion.
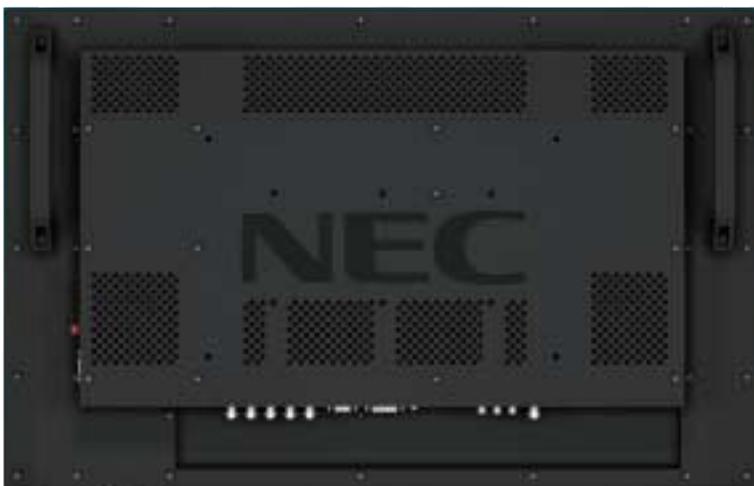
With a brightness of 450 cd/m^2, the 30" LCD display stands out in the crowd, allowing onlookers to view text and graphics with ease and comfort. A 350:1 contrast ratio helps the monitor deliver amazingly vivid colors and support superior grayscaling. Further, its Rapid Response time of 25ms allows it to display undistorted full-motion video without the worries of "ghosting" or "image trailing."

Take control of your monitor. In an effort to make remote control and diagnostics easier, the 30" LCD display provides two different methods to manipulate the display—an RS-232 connector and the advanced remote diagnostics and remote control capabilities of the Display Data Channel/Command Interface (DDC/CI). By utilizing the inherent power of the PC (a t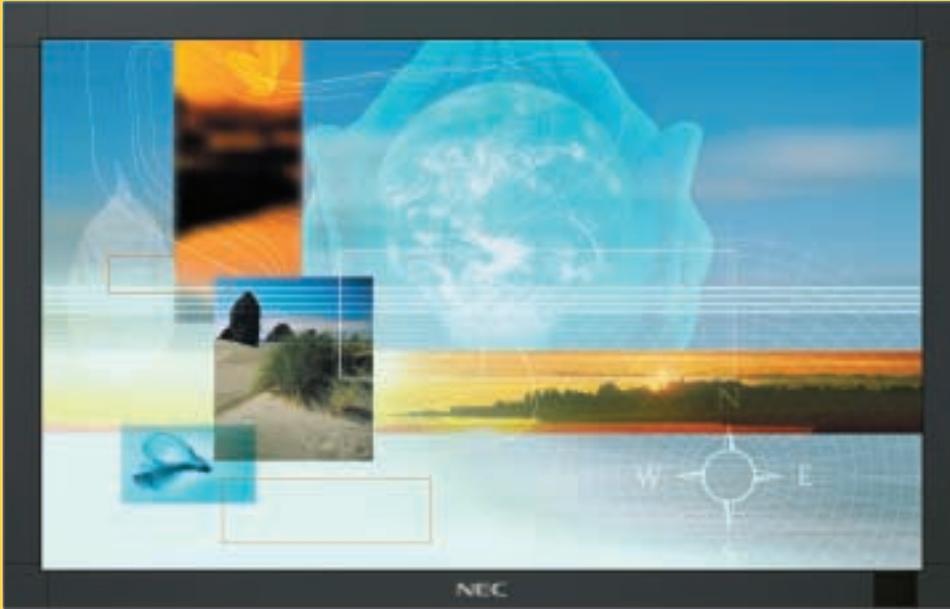ypical source for the display), DDC/CI allows control commands to be sent directly to the monitor through a standard PC system or remotely over an existing network (LAN) by a system administrator. A wide range of DDC/CI-based graphics cards, which will become standard in the near future, allow for this easy control through a Windows 2000/XP interface.

Achieve consistent, long-distance signals. Users can now realize the advantages of long monitor cable lengths without the difficulties and costs normally associated with this type of configuration. In environments such as trading floors, call centers and public signage venues, longer cables enable systems to be centrally located in control rooms far away from users (up to 326 feet/100 meters), allowing monitor upgrades, service and repairs to be accomplished without interrupting the work or display environment.

Historically, longer monitor cable configurations tended to have limitations, including weakened signals, which resulted in blurred images. Inconsistent red, green and blue cable lengths

The 30" LCD display features a number of input connections for maximum compatibility. This makes it possible to upgrade adapters or software without having to purchase a new display.

At 35.2 lbs, the 30" LCD display was designed with light weight in mind. Transporting and installing your visual display has never been so easy.

were also common. This produced uneven signals, thereby drastically reducing display quality.

The display's CableComp solves these dilemmas by using a digitized signal delay circuit to automatically compensate for each red, green and blue cable's length and video signal delay, ensuring sharp image reproduction. CableComp also boosts the VGA video signal to prevent blurred images without the need for costly repeaters.

Get connected. The 30" LCD display features a number of input connections for maximum compatibility. These include a DVI-D connector for digital video signal adapters and a traditional 15-pin mini D-sub connector that is configured for IBM VGA-compatible adapters, as well as BNC VGA, composite video, component video and S-Video connectors. This wide compatibility makes it possible to upgrade adapters or software without having to purchase a new monitor. By accepting analog signal inputs, this monitor can display more than 16 million colors, depending on the graphics card and software being used.

User-friendly, efficient design. As ease of installation is a main concern for the public display market, the 30" LCD display was designed with light weight in mind. At only 35.2 lbs, this monitor is simple to transport and install wherever necessary.

In addition, with the introduction of this display, NEC is on the forefront of mounting technology as the monitor's cabinet was designed to meet currently proposed VESA mounting standards for larger-sized public displays, which will be required of all manufacturers in the future.

With a unique screen size and uniformly thin frame, the 30" LCD display design is ideal for multi-screen construction for virtually seamless video walls.

a comprehensive set of adjustments and an expanded display mode with monitor information such as brightness, contrast and color settings. However, for quick and easy setups, a multitude of presets makes this monitor ready to go right out of the box.

Intelligent power management ensures a smart investment. Utilizing energy-efficient technologies in its design, the 30" LCD display reduces power

The 30" LCD's screen performance brings ideas to life, capturing the attention and imagination of viewers and ensuring that messages reach audiences with maximum clarity and impact.

Enhance your multimedia experience. Optional multimedia speakers boost the senses during presentations or other display applications. These powerful components easily attach to the horizontal sides of the display, spanning the height of the cabinet and creating a clean, seamless look.

Simplified control of screen settings. The 30" LCD display features NEC's critically acclaimed OnScreen Manager (OSM) for the most precise monitor adjustments available. A touch of the easy-access controls activates the OSM, delivering

consumption and significantly lowers the total cost of ownership (TCO). The high-efficiency backlight, which provides an extraordinarily long lifetime, reduces not only the power consumption but also the heat generation at the front of the screen. Further, with no fan needed to cool down the display, there is no need to be concerned about air flow in the settings surrounding the monitor. This not only leads to low heat emission but contributes to the display's lightweight design and less distracting noise.

NEC

Model	30" LCD Display (29.5" VIS)

Display	
Viewing Angle	170° horizontal, 170° vertical
Native Pixel Resolution	1280 x 768
Active Screen Area (W x H)	643.2 x 385.9mm
Panel/Set Brightness	450cd/m²
Contrast Ratio (set)	350:1
Screen Aspect Ratio	15:9
Output Color	256 RGB Levels, over 16 million colors

Frequency Range	Analog	Digital
Horizontal	31.5-75 kHz (15.75 kHz)	31.5-48.4 kHz
Vertical	58-62 Hz	58-62 Hz

Resolution Supported	
	640 x 480 @ 60 Hz
	800 x 600 @ 60 Hz
	1024 x 768 @ 60 Hz
	1280 x 768 @ 60 Hz
	1280 x 1024 (Analog only, compressed)
	1600 x 1200 (Analog only, compressed)
	NTSC/PAL, HDTV 480; 480p, 720p, 1080;

Input Terminals	
RGB 1	DVI-D x 1
RGB 2	Analog D-sub
RGB 3	Analog BNC
Video 1	Composite RCA or S-Video
Component Video 1	Component BNC (common use with RGB3 in out, selectable)
Audio	2 sets RCA stereo, 1 set mini stereo
	Internal Speaker: None
	External Speaker Jacks: 7W x 7W
External Control	RS-232C, DDC-CI

Environmental Conditions	
Operating Temperature	5-40°C
Operating Humidity	10-80% (no condensation)

Regulatory Approvals	UL 1950, CSA950, TUVGS, FCC Class B, METI, CE

Included Accessories	AC power cord, user manual, wireless remote control, 15-pin RGB cable, batteries

Other Features	Power Management, Plug & Play (DDC/CI, DDC2Bi), PinP(Remote), CableComp, Screen Savers, Rapid Response, Video Ready (no tuner), HDTV Ready (no tuner), Infrared remote control included

Voltage Rating	AC100-120V/200-240V, 50/60 Hz

Power Consumption	180W (max)

Dimensions (W x H x D)	27.8 x 17.7 x 4.5 in./706 x 449 x 114mm

Weight	35.2 lbs./16 kg

Optional Accessories	Onkyo speakers

Limited Warranty	1 year parts and labor, including backlight

Technical Support	24 hours/7 days

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