

## Technical Specifications: NEC LCD4000

<b>Display</b>	40-Inch LCD or active matrix TFT (101.6 cm diagonal)
Viewing Angle	170° horizontal; 170° vertical (typical, at contrast ratio 10:1)
Active Screen Area (W x H)	871.7 x 523 mm
Pixel Pitch	0.68 mm
Brightness	450 cd/m <sup>2</sup> (typical)
Response Time	23 ms (typical)
Contrast Ratio	600:1 (typical)
Screen Aspect Ratio	15:09
Colours	16.77 million
<b>Frequency Range</b>	
Horizontal	31.5–75 kHz (digital 31.5–49 kHz)
Vertical	58–62 Hz
<b>Resolution</b>	
Native Resolution	1280 x 768 (W-XGA)
	VGA (60 Hz), SVGA (60 Hz), XGA (60 Hz), W-XGA (60 Hz)
	S-XGA (60 Hz), U-XGA (60 Hz) (analogue input only)
<b>Connectors</b>	
RGB 1	Digital (DVI-D)
RGB 2	Analogue (D-sub)
RGB 3	Analogue (BNC x 5)
Audio Input	RCA left/right x 2, stereo mini jack x 1 (PC)
Audio Output (external speaker jacks)	RCA left/right 1
Composite Video	BNC or RCA
Component Video	BNC x 3
S-Video	Yes
<b>Remote Control</b>	RS-232C
	Analogue RGB and digital RGB (DVI-D)
	Infrared remote control
<b>Environmental Conditions</b>	
Operating Temperature	+5°C to +40°C
Operating Humidity	20–80% (without condensation)
<b>Power Consumption</b>	235 W
<b>Power Requirements</b>	100–120 V, 220–240 V 50/60 Hz 2.35 A/1.05 A, integrated power supply
<b>Dimensions (W x H x D)</b>	
Net Without Stand	949 x 605 x 141 mm
Net With Stand	949 x 644 x 311 mm
<b>Bezel Width</b>	44.5 mm left/right, 38.2 mm top/bottom
<b>Weight</b>	27.5 kg with stand, 26 kg without stand
<b>Regulatory Approval</b>	TUV-GS, FCC Class; CE
<b>Special Functions</b>	Picture in Picture mode (also via remote control); CableComp (cable length compensation); rapid response time; intelligent power management; video ready (no tuner) PAL/SECAM/NTSC; HDTV ready (no tuner) 1280 x 720 progressive; OmniColor™ (on PC inputs)
<b>Power Management</b>	VESA DPMS
<b>Plug &amp; Play</b>	VESA DDC/CI
<b>Standard Accessories (incl.)</b>	AC power cord; User manual; 15 pin RGB cable; infrared remote control; 2 x AA batteries; table top stand
<b>Optional Accessories</b>	External speaker jack 2 x 7 W



# NEC

The NEC LCD4000 with  
a full 40 inches and  
cutting-edge technology.

- 40-inch LCD screen (101.6 cm diagonal)
- Outstanding image quality
- Wide viewing angle thanks to PVA technology
- Compatible with NaViSet™ and NaViSet™ Administrator
- Wide range of options for remote maintenance/adjustment
- Supports DDC/CI
- CableComp – delivers optimum image quality by automatically compensating for long cables (up to 100 m)
- Comprehensive connectivity (DVI-D, D-sub, 5 x BNC) for maximum investment protection
- User-friendly, functional design for versatile installation options
- Low energy consumption reduces Total Cost of Ownership (TCO)
- Power-off timer – OSM-adjustable count-down clock further reduces power consumption
- Rapid Response Time
- Choice of three pre-set brightness levels to suit ambient brightness
- On-Screen Manager (OSM)
- Optional: 2 x 7 W speakers
- Acknowledged quality and reliability of NEC-Mitsubishi



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NEC LCD4000-F-0203

## A true multi-talent with size to match.

**Ideal for every location:** There are many locations where the new NEC LCD4000 maxi-display from NEC-Mitsubishi can be used: as an information terminal in airports, underground rail systems, trade show venues, museums, showrooms, banks, conference centres, and for monitoring production facilities, in local government offices, for control centres and video-conferencing.

**Worth the wait:** Building on its leading position as a supplier of branded LCD monitors, NEC-Mitsubishi now offers a 40-inch LCD display. Currently the largest screen size available, this LCD display bridges the gap between flat-panel displays specially developed for desktop applications and displays intended for large-screen presentations. The 40-inch NEC LCD4000 presents information in a larger format, making it visually more appealing and providing the perfect solution wherever information needs to be delivered to a large number of people.

**Attention to detail:** outstanding monitor performance for crisp, clear text and precision images

Featuring an aspect ratio of 15:9, the new NEC LCD4000 offers all the benefits of LCD display technology. The 1280 x 768 (W-XGA) resolution gives text, images and video extraordinary sharpness, precision and clarity, providing an outstanding platform for presentations, graphics, advertisements or price information.

**The burn-in effect:** now a thing of the past

Unlike large phosphor-based screens, LCD technology does not cause irreversible burn-in. The common problems of shadows on the display and shorter service life are therefore no longer an issue. The NEC LCD4000 guarantees optimum screen performance and a significantly longer life.

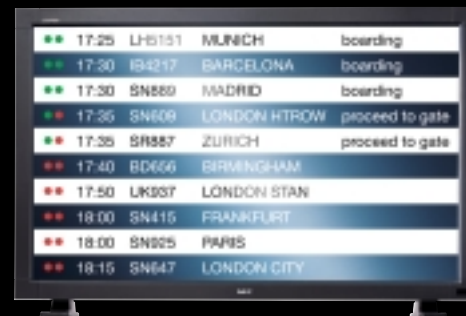
**Looking good from any angle**

The NEC LCD4000 provides a clear, high-contrast image regardless of viewing angle. PVA wide-angle technology gives this monitor exceptional visibility across the widest possible range: 85° down and up, and also left and right, i.e. 170° horizontally and vertically. The NEC LCD4000 also offers outstanding image quality without reflections or distortion.

**It just keeps getting better:** remote control to suit every need (RS-232C, DDC/CI, IR)

To help make remote control and remote diagnostics even easier, the NEC LCD4000 offers three different methods for remote control of the display: an RS-232C connection, an infrared remote control (IR) for quick and convenient setup, and the advanced remote diagnostics and remote control functionality of NaViSet™ Administrator (based on DDC/CI) via an existing network (LAN). NaViSet™ Administrator enables centralised management of several screens from a single location, including inventory tasks, for greater efficiency and reduced admin costs.

The NEC LCD4000 used to provide passenger information at an airport – one of the key application fields for this new display.



**Quality over long distances:** CableComp provides automatic compensation for long cables

The NEC LCD4000's CableComp technology delivers sharp, high-quality images even when using cables 100 metres long. This feature automatically adjusts the signal shape when long cables cause different signal transmission times. So no more blurred, fuzzy pictures or additional expense (e.g. cost of external monitor signal boosting units etc.). As a result, PC systems can be grouped together up to 100 metres away from the NEC LCD4000 in deployment scenarios such as trading floors, call centres or public display systems.

**Making light work:** efficient design

One of the most important features of the new LCD4000 display from NEC is its ease of installation. So when designing the 40-inch LCD display, great emphasis was placed on minimising the weight. At just 27.5 kg (more than 10% lighter than a corresponding plasma display), this monitor is easy to transport and can be installed almost anywhere with ease. The monitor's casing complies with current VESA recommendations covering standards for mounting large public displays.

**Rated highly:** low Total Cost of Ownership (TCO)

A reduction in power consumption of over 15% compared to a plasma display significantly cuts operational costs. The NEC LCD4000 also offers high-efficiency backlighting for exceptionally long life, in addition to reduced heat output. And since our new display doesn't need a fan, it is even lighter, once again saving power and money.

**Well connected:** a host of connectivity options

With the NEC LCD4000, maximum compatibility is assured by comprehensive connection options, including a digital DVI-D connector, a 15-pin analogue mini D-sub and an analogue 5 x BNC connector. Input and output ports for composite video, component video and S-video signals are also integrated into the NEC LCD4000. This high level of compatibility offers both flexibility and investment protection. The NEC LCD4000 can display 16.77 million colours via both the analogue and digital signal inputs.

**High-speed for the eye:** precision images at a low response time of 23 ms

With a brightness of 450 cd/m<sup>2</sup>, the NEC LCD4000 stands apart from other monitors and allows text and graphics to be viewed in comfort and without eye-strain. The contrast ratio of 600:1 allows colours to be displayed in natural colour fidelity. Our Rapid Response Time technology operates at 23 ms, so the NEC LCD4000 can display full-motion video without ghosting or image travelling.

**All just a matter of adjustment:** simplified control options using the On-Screen Manager (OSM)

The proven On-Screen Manager (OSM) simplifies all monitor adjustments by means of an extended display mode for brightness, contrast and colour settings.