


WIDE FORMAT LCDs

NEC ELECTRONICS AMERICA

NEC LCD TECHNOLOGIES

**More data...? Think wide**

Over the past few years there has been an upsurge in the adoption of wide format displays for desktop monitors, notebook PCs and LCD televisions. According to iSuppli, as reported in the Q1 2009 Market Tracker, the world wide unit share for wide format displays in the monitor market was just 9% unit share in 2008. By 2010 iSuppli projects that the unit share will grow to 43%. Most of the growth however, has been in 19-inch through 22-inch monitor markets.

A variety of factors have contributed to this growth including a greater amount of video content available for on-line viewing, the introduction of Microsoft's Vista operating system, lower panel prices, greater consumer acceptance of the wide format monitors, and increasing use of wide format displays in the notebook PC market.

As the popularity of widescreen LCDs increases in the notebook and monitor markets and as the adoption rate of LCD (and other flat technology) TVs increases, customer interest in wide format displays for industrial type applications will also increase. Already the gaming market is adopting wide format displays, medical workstations are beginning to integrate wide format displays and instrument panels, as well as other applications will also adopt wide format displays because of their ability to show more data on a single screen and leverage the capabilities of the Vista operating system.

Wide format display offerings

NEC has introduced a number of wide format displays and is thus well positioned to meet the growing demand within the industrial market for wide format LCD modules. While most wide format displays are targeted for consumer type markets such as desktop monitors, notebook PCs and televisions, NEC's products have been designed specifically for applications within the industrial market, including test and measurement equipment, instrument panel displays, POS, gaming equipment and are therefore supported by NEC's commitment to longer product life cycles and high quality modules.

www.am.necel.com/display

www.nec-lcd.com/en

Wide format LCD products available from NEC Electronics America

Environmental Initiatives

Our products are RoHS compliant.

Out of concern for the environment, NEC LCD Technologies began reducing the use of hazardous substances in our LCD modules prior to the RoHS Directive. We have eliminated the six substances targeted in the RoHS Directive as well as other substances we have identified as potentially hazardous, so that our products are RoHS-compliant.

NEC Electronics America, Inc.

2880 Scott Boulevard
Santa Clara, CA 95050-2554
1-408-588-6000
www.am.necel.com

NEC LCD Technologies, Ltd.

1753 Shimonumabe, Nakahara-Ku
Kawasaki, Kanagawa 211-8666, Japan
044-435-1666
www.nec-lcd.com/en

ALL INFORMATION HEREIN IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED. NEC ELECTRONICS (NEC) DISCLAIMS ALL SUCH WARRANTIES, INCLUDING, WITHOUT LIMITATION, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT, OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE. NEC SHALL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR REVENUES, COSTS OF REPLACEMENT GOODS OR DAMAGES RESULTING FROM USE OF OR RELIANCE ON THE INFORMATION PRESENT, EVEN IF NEC OR ITS SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

All logo, trademarks or registered trademarks mentioned in this document are the intellectual property of their respective owners.

© May 2009 NEC Electronics America, Inc.
All rights reserved.

♻️ Printed in U.S.A. on recycled paper using soy ink.

Document No. 51039-4

SIZE	RESOLUTION	PART NUMBER	ADDITIONAL ATTRIBUTES	AVAILABILITY
2.7-inch	QHD 960x540	NL9654HL06-01J	300 cd/m ² , CR 400:1, LED, 8-bit RGB, 960x540 pixels	TBD
4.1-inch	WVGA	NL8048HL11-01B	350 cd/m ² , CR 400:1, LED, 8-bit RGB, VIT, w/ touch	Now
		NL8048HL11-01A	400 cd/m ² , CR TBD, LED, 8-bit RGB, VIT	
4.3-inch	WQVGA	NL4827HC19-05A	600 cd/m ² , CR 500:1, LED, 8-bit RGB	Now
		NL4827HC19-05B	500 cd/m ² , CR 500:1, LED, 8-bit RGB, w/ touch	Now
7-inch	WVGA	NL4823BC37-05	400 cd/m ² , CR 600:1, reverse scan, wide viewing angle	Now
		NL8048BC19-02	400 cd/m ² , CR 1000:1, LED, LVDS, reverse scan, wide viewing angle	Now
		NL8048BC19-02C	550 cd/m ² , CR 800:1, LED, LVDS, ST-NLT, reverse scan, wide viewing angle	Now
		NL8048BC19-03	400 cd/m ² , CR 1000:1, LED, LVDS, reverse scan, wide viewing angle, portrait view	Now
9-inch	WXGA	NL8048BC24-01	400 cd/m ² , CR 600:1, LVDS, reverse scan, wide viewing angle	Now
		NL8048BC24-04	350 cd/m ² , CR 700:1, LVDS, UA-SFT, reverse scan, Clear	Now
12.1-inch	WXGA	NL12880BC20-02D	180 cd/m ² , CR 700:1, LVDS, UA-SFT, reverse scan, A/G	Now
15.3-inch	WXGA	NL12876BC26-25	470 cd/m ² , CR 700:1, LVDS, SA-SFT, A/G	Now
		NL12876BC26-25B	470 cd/m ² , CR 700:1, LVDS, SA-SFT, Clear	Now
		NL12876BC26-28	330 cd/m ² , CR 1000:1, LVDS, SA-SFT, A/G, 72% Color Gamut	Now
22.5-inch	WUXGA	NL192120AC25-02	460 cd/m ² , CR 800:1, LVDS, UA-SFT, A/G, Double speed drive, Color gamut: 97% to Adobe RGB,	Now
		NL192120BC25-03	500 cd/m ² , CR 800:1, LVDS, UA-SFT, A/G, Double speed drive, Color gamut: 77% to NTSC,	Now