

NEC LCD Technologies Announces New 15.3-Inch LCD Module for High-end Broadcasting and Video Production Display Applications

DÜSSELDORF (Germany), TOKYO (Japan), SANTA CLARA (U.S.A.), May 27, 2009 — NEC LCD Technologies, and its sales and marketing channels in the Americas and Europe, NEC Electronics America, Inc. and NEC Electronics (Europe) GmbH, today announced the introduction of a new 15.3-inch amorphous-silicon thin-film-transistor (TFT) liquid crystal display (LCD) module with wide extended graphics array (WXGA) resolution of 1280 x 768 pixels, part number NL12876BC26-28. The module incorporates NEC LCD Technologies' ultra-advanced, super-fine TFT (UA-SFT) technology, a proprietary version of in-plane switching technology; a display featuring superior color reproduction; and wide viewing angles that are required for broadcasting and video production display uses as well as other industrial display applications.

Key benefits of NEC LCD Technologies' new 15.3-inch WXGA module with UA-SFT technology are:

(1) Excellent Image Quality

NEC LCD Technologies has enhanced the module's transmissivity to achieve 330 cd/m² luminance, and a 1000:1 contrast ratio that results from reduction in light leakage in the panel, which yields higher intensity in "black color," and an LCD that achieves a wide color gamut, 72 percent of NTSC ratio, all of which are beneficial for confirming video images in broadcasting and video production.

(2) Ultra-wide Viewing Angle

The company's UA-SFT technology affords the display an ultra-wide viewing angle of 176 degrees both horizontally and vertically and reduces the color shift that can occur when viewing the display from an off-angle. These features result in greater flexibility in display placement and viewing position, which make the module suitable for multi-screen use.

(3) Wide Format

The new WXGA LCD module has a wide format of 1280 x 768 pixels that is compatible with high-definition television standards.

Production studios, video editing rooms, broadcasting stations and video production companies typically use multiple, medium-size monitors to display images and information from

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multiple cameras and video tape recorders (VTRs). The monitors may be used to confirm and create images, in addition to switching cameras, throughout the video editing process. The company's new 15.3-inch LCD module is ideally suited for these professional uses as well as many other industrial display applications.

Introduction of the new 15.3-inch module further expands NEC LCD Technologies' UA-SFT and wide-format product offerings and reflects the company's ongoing commitment to develop and manufacture LCD modules that address the unique requirements of industrial display applications. The new display is currently available for sampling and mass production. (Pricing and availability are subject to change without notice.)

The new LCD module will be showcased in NEC Electronics America's booth (#459) at the Society of Information Display (SID) Display Week 2009 at the Henry B. Gonzalez Convention Center in San Antonio, Texas, June 2-4.

Main specifications of the new LCD module can be found in the attachment.

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Über NEC Electronics (Europe) GmbH

NEC Electronics (Europe) GmbH, headquartered in Duesseldorf, Germany, is a leading developer and supplier of semiconductor products in Europe. Committed to meeting customers' cost, performance and time-to-market requirements, the company offers solutions ranging from standard products to system-on-a-chip (SoC) solutions, as well as customized products for next-generation designs. Our customers also benefit from state-of-the-art manufacturing from the global production network of our parent company, NEC Electronics Corporation. Additionally, NEC Electronics (Europe) GmbH is the exclusive European sales and marketing channel of LCD modules from NEC LCD Technologies Ltd.. For more information visit <http://www.eu.necel.com>

About NEC LCD Technologies, Ltd.

NEC LCD Technologies, Ltd. is one of the world's leading providers of high-quality, innovative, active-matrix liquid crystal display (AM-LCDs) modules for the industrial and high-end monitor markets. The company focuses its development on four core technology areas: ultra-wide viewing angle SFT technology with high luminance, wide color gamut and fast response; NLT technology for high visibility in any kind of ambient light environment; VIT technology to add extra value to LCD modules; and adaptive design technology, which together meet a variety of specialized needs for the flat panel display markets. NEC LCD Technologies' worldwide support includes sales and marketing affiliates NEC Electronics America, Inc. (www.am.necel.com) and NEC Electronics Europe (www.eu.necel.com) that offer specialized display solutions to their respective markets. NEC LCD Technologies employs approximately 1,200 people worldwide and offers one of the broadest product portfolios for the medical, factory automation, test and measurement, entertainment, kiosk, POS and ATM markets. Additional information can be found at <http://www.nec-lcd.com/en/index.html>.

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Main Specifications of NEC's New 15.3-Inch LCD Module

Part number	NL12876BC26-28
Resolution	1280 (H) x 768 (V) pixels
Display area	334.08 (H) x 200.45 (V) mm Diagonal screen size of 15.3-inches (39cm)
Drive system	Amorphous-silicon TFT active matrix
Display color	16.77M colors
Pixel arrangement	RGB vertical stripe
Pixel pitch	0.261 (H) x 0.261 (V) mm
Luminance	330cd/m ² (typ.)
Contrast ratio	1000:1 (typ.)
Viewing angle	Vertical : Up 88 degrees, down 88 degrees Horizontal : Right 88 degrees, left 88 degrees (contrast ratio at over 10:1)
Response time	25 ms (typ.) (Ton + Toff: from 10% to 90%)
Interface	LVDS (RGB 8 bits each)
Power supply voltage	3.3V
Power consumption	18.0 W (typ.)
Operating temperature	-10 degrees C to + 70 degrees C
Storage temperature	-20 degrees C to + 80 degrees C
Polarizer surface	Antiglare
Module size	358.0 (typ.) x 226.0 (typ.) x 16.8 (max.) mm
Weight	1270g (typ.)
Backlight	Top and bottom, 2 CCFLs each

Note: The press release and other information in this file may be out of date on observation.