**New Products**

**Professional multitouch desktop display**

Perceptive Pixel’s professional multitouch desktop display is a high-resolution, optically-bonded, projected-capacitive, 27-inch LCD. The display offers performance and a form factor appropriate for professional users in fields such as geo-intelligence, digital content creation, computer-aided design, energy exploration, and medical imaging. The display’s size lets users work directly on the screen to access and manipulate data and workflows.

The display is optically bonded, resulting in low touch parallax (the distance between the display image and the touch surface). In addition, the display eliminates inter-reflections, providing visual clarity and offers a mechanically robust, durable surface.

The patented projected-capacitive controller provides full-field multitouch sensing with an unlimited number of simultaneous touches and palm/forearm/object recognition; zero-force sensitivity; high signal-to-noise ratio; operation with bare fingers, gloves, and fingernails; edge uniformity; a quick, constant 120-Hz sample rate; and low latency.

The display’s design includes a workspace large enough to accommodate both of the user’s hands. Other features include an ergonomic flush-front bezel with an oversized palm-rest border; an overscan sensing area; and an interaction surface that is thermally managed, chemically strengthened glass with antifriction coating.

For more information visit [http://www.perceptivepixel.com/](http://www.perceptivepixel.com/).

**Multimedia platform for creative companies**

Simian’s version 2.0 of its Web-based multimedia platform offers a revamped design and streamlined functionality. Simian 2.0 highlights include feature-rich project workspaces, enhanced analytics, social syndication, metadata tagging, website integration, and custom presentations.

The system’s Simian Projects features an expanded interface and simplified toolset so that nonprofessional users can build and distribute media. Simian Media Library includes a customizable asset manager for cataloging digital assets.

Additionally, the system provides simple tools for managing online access to media assets. Simian lets users share direct links or post media directly to Facebook, Twitter, and other social sites.

For more information visit [http://www.gosimian.com](http://www.gosimian.com).

**Desktop 3D printing**

3D Systems’ desktop 3D Printer, the BfB 3000 plus is designed to be feature-rich, easy to use, and intuitive. The printer lets users verify file printability and make use of rapid submission and multicolor print capabilities. The 3D printer costs $3,900.

3D Systems is expected to partner with Alibre to deliver 3D-content-to-print technologies that integrate 3D printers with Alibre’s CAD/CAM software. Integrated bundles start at $1,500 and include Alibre Design Personal Edition software and 3D Systems’ Rapman color capable 3D printer kit. For $4,999, users get the Alibre software along with 3D Systems BbB 3000.

For more information visit [http://www.3DSystems.com](http://www.3DSystems.com).

**Medical imaging graphics card**

Nvidia’s Quadro 2000D graphics card is designed for use in professional medical-imaging environments to help with patient diagnosis. Built on the Fermi architecture, the Quadro 2000D provides diagnostic display capabilities and application performance for hospitals, clinics, and other diagnostic imaging environments that need to interpret and manage high-resolution patient imagery.

Features include two dual-link digital video interface (DVI) connectors and a high level of grayscale accuracy and definition of images at high resolution (up to 10 Mpixels). The Quadro 2000D supports 10- and 12-bit grayscale for revealing tonal abnormalities in diagnostic images, along with industry-standard Dicom.
New Products

**The Nvidia Quadro 2000D.**

Monitor calibration to maintain grayscale consistency across monitors.

An additional key feature of the Quadro 2000D is Nvidia’s Mosaic display technology, which lets users span applications across multiple, high-resolution panels or projectors without sacrificing performance. Up to eight displays can be driven from a single workstation. Nvidia’s SLI Multi-OS technology also works in conjunction with the Quadro 2000D for driving simultaneous Windows and Linux environments from the same workstation.

Using Nvidia 3D Vision and 3D Vision Pro stereoscopic 3D technologies, the Quadro 2000D is designed to enable immersive 3D perspectives.

The Quadro 2000D costs $599 and is certified for HP Z800, Z600, and Z400 workstations for medical imaging and for connecting HP workstations to third-party medical displays for use in hospitals, radiology rooms, and clinics. It’s also available for the Dell Precision T7500, T5500, T3500, and R5400 workstations in the US.


**Multisensor 3D metrology system**

Nikon Metrology introduced the HN-6060, a next-generation, noncontact inspection system that provides metrology capabilities. Features include laser scanning, five-axis synchronized hardware control, an ultra-stiff design, and processing software for inspecting complex shapes.

The newly designed laser-scanning sensor extracts the surface form and waviness data in one scan. The metrology system’s laser scanner and shape-from-focus sensor use active texture projection to perform high-precision measurement of shapes, including those with glossy surfaces or no surface texture. Touch probes and optical heads with built-in transistor–transistor-logic laser autofocus complete the multisensor system, allowing it to perform shape measurements of parts such as complex automotive and machined components, molded parts, and medical devices.

The HN-6060’s five-axis synchronized hardware control allows optimum part orientation to the sensor, so the part can be measured from different angles. The system not only is designed to measure complex surfaces such as hypoid gears, worm gears, and helical gears, but also can inspect turbine blades, digital camera housings, and complex closures. The HN-6060 software integrates with the measurement hardware, and features simulation for collision avoidance, easy acquisition of point clouds from 2D and 3D shapes, and part-to-CAD comparison.

For more information visit http://www.nikonmetrology.com.

**Real-time visualization of architectural projects**

E-on software’s LumenRT software is designed to enable the visualization of architectural projects in real-time 3D with photo-realistic illumination.

LumenRT Review for SketchUp, the first product in the new line, is designed to work with both the free and the pro versions of SketchUp. Designed to provide high-fidelity visualization with accurate lighting and global illumination, shadows, and reflections, LumenRT can create a virtual interactive showroom, demonstrate and share design concepts, visualize 3D models in client presentations, and expose projects in real-time photo-realistic 3D.

LumenRT doesn’t require special viewing software because the product’s LiveCubes are shared as self-running files that play on PC and Mac platforms. Its background processing allows models to be transformed into LiveCubes with background rendering.

Visit http://www.lumenrt.com for more information.