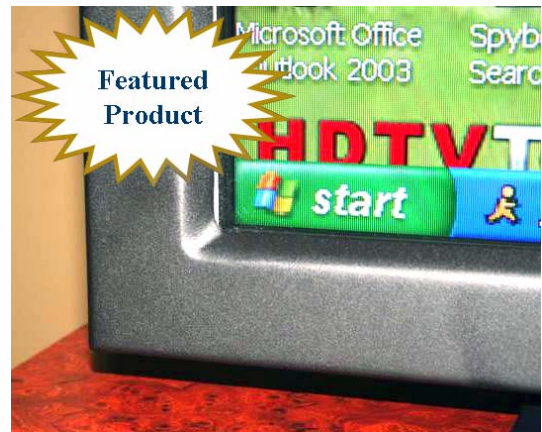




## The NEC 5220— Integrated with Optical Touch and USB Controller



The 52" Horizon Display NEC Monitor provides full gesturing capabilities including pan, flick, tilt, and zoom utilizing two touch points.



Seamless bezel integration and craftsmanship allows for full customization of the Touch Screen including branding, colors, and logos.

### Horizon Display is an Industry Difference Maker

**Horizon Display** offers professional customer service through unparalleled responsiveness, flexible solutions, consistent reliability, and a quality management system in line with their customers' high standards. As a front runner for addressing the rapidly growing requirements for large touch screen applications, Horizon Display has achieved the ability to offer solution-on-demand options such as touch, sunlight readable, protective glass, and privacy filters to their clients competing in the retail, transportation, gaming, financial, restaurant, education and tradeshow markets.

**Horizon Display** - In January of 2008 Horizon Display was approved to be an integrated solutions provider for Samsung commercial display division and offers integration touch solutions, sunlight readable, protective safety glass, and privacy filters for any size display, as well as custom bezel fabrication for LCD displays from 30" to 100" Horizon Display also is an approved NEC integrator and has been participating in their prestigious "Integrator Select" program for over 3 years.

**Elegant Presentation** – No overlays are necessary with Horizon Display touch integrations. Horizon's engineering capabilities allow them to design and manufacture a bezel that fits around both the original panel and touch substrate, creating the most aesthetically pleasing and versatile solution on the market today.

**Whole Screen Coverage** - Horizon's optical imaging technology provides touch sensitivity over the whole screen, including the corners. With over 400,000 touch points, accuracy is guaranteed.

**Universal Compatibility** – Horizon Display's touch screens are engineered to work with all three major operating platforms: Windows, Mac OS, and Linux.

**Certified Quality** – Horizon Display is an ISO 9001:2000 certified display integrator. Horizon Display conducts a rigorous triple-check quality inspection which takes place in a state-of-the-art clean room. The display is evaluated upon receipt in the warehouse, after integration, and again before shipment. The pressurized clean room maintains a Class 10,000 rating as per the Federal Standard 209E and does so through meticulous daily cleaning and dual HEPA filtration.



## The NEC LCD 5220 with Optical Touch—Specifications

### NEC LCD5220

<b>Panel</b>	
Screen Size	52"
Resolution	1920 x 1080
Pixel Pitch (H x W)	0.60mm
Brightness	500 cd/m <sup>2</sup>
Contrast Ratio	2000:1
Viewing Angle (H/V)	178°/178°
Active Screen Area (WxH)	45.4 x 25.5 in. / 1152 x 648mm
<b>Connectivity</b>	
Input Terminals	DVI-D, Analog D-Sub, Analog BNC, Composite (Shared RCA and BNC), S-Video, HDMI, composite, component, audio
Output Terminals	RGB, Video, Audio
Audio Amplifier	15W Stereo
<b>Power</b>	
Power Requirements	AC 100-120V / AC 220-240V @50/60 Hz
Power Consumption	270W
Standby Mode	<5W
<b>Mechanical Specifications</b>	
VESA Mount	200 x 200mm (8 hole) / 200 x 100mm (6 hole)



## Optical Touch Screen Specifications

<b>System Performance</b>	
Input Method	Finger, gloved hand or any other pointer
Accuracy	+/- 2mm over 90% of the touch sensitive area
Touch Resolution	32767 X 32767
Response Time	Typical response time 14 ms
Min. Touch Impact	No pressure required
Calibration	One time only four point calibration, no drift
Multi-Touch	Multi-touch capable, additional software may be required
<b>Optics</b>	
Light Transmission	>92%
Surface Finish	Clear Glass
<b>Mechanical</b>	
Substrate Material	2.0mm clear float glass optically bonded to 2.0mm thick clear float glass
Cleaning	50:50 isopropyl alcohol and water
<b>Electronics</b>	
Interface	USB HID, plug and play compatible
<b>Operating System</b>	
Operating System	Windows, MAC, Linux (requires drivers)
<b>Bezel</b>	
Bezel	One piece stamped aluminum bezel
<b>Monitor Stands / Feet</b>	
Stands / Feet	not included
<b>Standard Warranty</b>	
Monitor	3 Years
Touch Screen	2 Years