

# NEC MultiSync® LCD3090WQXi

30" widescreen, high-resolution (2560 x 1600) desktop LCD display  
ideal for high-end graphics applications

## Watch productivity soar when you go wide with NEC.

The 30" LCD3090WQXi delivers an entirely new perspective to your desktop. With its wide-format design (16:10 aspect ratio), which provides roughly the same work area as two smaller-sized displays, you can simultaneously view/work in multiple application windows. With its multitude of leading-edge capabilities, combined with groundbreaking design, this display could easily be considered the most intelligent visual display solution to date.

- Wide color gamut (97.8% coverage of AdobeRGB\*)
- Auto Luminance control with X-Light™ Pro backlight/sensor design for consistent brightness and color
- ColorComp™ technology compensates for slight variations in luminance and color uniformity, providing even color across the screen
- IPS active matrix LCD provides superior screen performance, including wide viewing angles, lifelike flesh tones and dark black levels
- Supports internal programmable 12-bit lookup tables (LUTs) for calibration
- High resolution (up to 2560 x 1600) allows for more content to be displayed on a single monitor
- Standalone color calibration and matching function without the need of a PC using an optional sensor\*\* connected directly to the display
- Designed for landscape or portrait usage without degradation of performance or the display's lifecycle
- Ambient light sensor and automatic backlight adjustment allows for use in any lighting conditions
- Digital and analog inputs with true MultiSync support for non-native resolutions

\* 102% color gamut size vs. NTSC (1953)

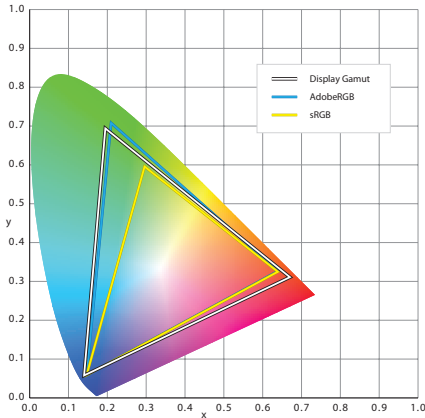
\*\* X-Rite iOne Display V2 color sensor



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2008

# NEC LCD3090WQXi Color Gamut

ColorSpace	Coverage	Size
Adobe RGB	97.8%	108.0%
sRGB	100.0%	145.7%



The LCD3090WQXi's design allows you to adjust the display to your exact ergonomic preferences. In addition to tilt and swivel functionality, the height adjusts up to 190mm, and the display pivots between landscape to portrait orientations.

Model	MultiSync LCD3090WQXi	
<b>Display</b>	<b>Viewable Size Image</b> 29.8" <b>Pixel Pitch</b> 0.251mm <b>Pixels Per Inch</b> 89 <b>Brightness (typical)</b> 350 cd/m <sup>2</sup> <b>Contrast Ratio (typical)</b> 1000:1 <b>Viewing Angle (typical)</b> 178° Vert., 178° Hor. (89U/89D/89L/89R)@ CR > 10 <b>Rapid Response™</b> (6ms Gray-to-Gray; 12ms Black-to-Black) <b>12-bit internal LUTs</b> , displays 16.7 million colors out of 68.5 billion color palette <b>Panel Bit Depth</b> <b>Color Gamut*</b> <b>Coverage</b> AdobeRGB** - 97.8% / sRGB - 100% <b>Size</b> AdobeRGB - 108% / sRGB - 145.7%	
<b>Synchronization Range</b>	<b>Horizontal</b> 24 - 93.8 KHz (Analog/Digital) <b>Vertical</b> 24 - 85 Hz <b>Video Bandwidth</b> 25.2 - 268.5 MHz (DualLink)	
<b>Input Signal</b>	<b>Video</b> Analog RGB 0.7 Vp-p/75 Ohms <b>Sync</b> Separate sync: TTL Level (Positive/Negative) Composite sync: TTL Level (Positive/Negative) Composite sync on green: (0.3Vp-p negative 0.7Vp-p positive)	
<b>Inputs</b>	DVI-D (HDCP), DVI-I	
<b>Resolutions Supported (Analog/Digital)</b>	640 x 400 @ 70-85 Hz*** 1400 x 1050 @ 60-75 Hz 720 x 400 @ 70-85 Hz 1440 x 900 @ 60-85 Hz 640 x 480 @ 60-85 Hz 1600 x 1200 @ 60-75 Hz**** 800 x 600 @ 56-85 Hz 1680 x 1050 @ 60-75 Hz**** 832 x 624 @ 75 Hz 1920 x 1200 @ 60 Hz 1024 x 768 @ 60-85 Hz 1920 x 1440 @ 30-60Hz**** 1152 x 864 @ 70-85 Hz 2560 x 1600 @ 30-60 Hz**** 1152 x 870 @ 75 Hz 720 x 480p @ 60 Hz 1280 x 960 @ 60 Hz 720 x 576p @ 50 Hz 1280 x 1024 @ 60-85 Hz 1280 x 720p @ 50-60 Hz 1920 x 1080p @ 50-60 Hz	
<b>Native Resolution</b>	2560 x 1600 @ 60 Hz landscape / 1600 x 2560 @ 60 Hz portrait	
<b>Additional Features</b>	Ultra-thin frame (bezel), No Touch Auto Adjust™, NaViSet™ software, tilt, VESA Mount, sRGB, tilt, swivel, height-adjustable stand (190mm), pivot, quick-release stand, vacation switch, 12-bit LUTs, black level adjustment, AmbiBright, ColorComp, overdrive, ECO Mode™, real-time clock, X-Light Pro, Analog/Digital CableComp™, TileMatrix™, TileComp™, GammaComp™ MD software, standalone calibration, SpectraView™ software-enabled, Windows Vista™ Premium-certified	
<b>Touch-Capable</b>	Designed for integration	
<b>Voltage Rating</b>	AC 100-120V / AC 220-240V	
<b>Power Consumption (typical)</b>	<b>On</b> 150W <b>Power Savings Mode</b> 2W	
<b>Dimensions (WxHxD)</b>	<b>Net (with stand)</b> 27.1 x 18.8-26.3 x 13.5 in./ 687.3 x 478.6-668.6 x 342.8mm <b>Net (without stand)</b> 23.2 x 15.1 x 4.1 in./ 589.8 x 383.4 x 104mm	
<b>Net Weight</b>	<b>(with stand)</b> 40.7 lbs. / 18.5 kg <b>(without stand)</b> 31.9 lbs. / 14.5 kg	
<b>VESA Hole Configuration Specifications</b>	100 x 100mm and 200 x 100mm	
<b>Environmental Conditions</b>	<b>Operating Temperature</b> 5-35° C / 41-95° F <b>Operating Humidity</b> 30-80% <b>Operating Altitude</b> 3048m / 10,000 ft. <b>Storage Temperature</b> -10-60° C / 14-140° F <b>Storage Humidity</b> 10-85% <b>Storage Altitude</b> 12,192m / 40,000 ft.	
<b>Safety Standards</b>	UL/C-UL, UL60601, CE, Gost/PCT, PSB, CCC, TUV GS, FCC Class B/ Canadian DOC, C-tick, MPR II / MPR III, VCCI (class 2), JIS C 61000-3-2, static electricity guideline, low emission guideline, TUV-Ergonomie, ISO9241-307, TCO '03, TCO '06, US Mercury regulations, WEEE, RoHS, SASO, Energy Star 4.0 Tier 2, GEEA, JEITA VOC Guideline. J-Moss, Windows XP, DEN-TORI	
<b>Limited Warranty</b>	4 years parts and labor, including backlight / 2-day Advanced Exchange service	
<b>Technical Support</b>	M - F (7am - 7pm CST)	

\* Color gamut size and coverage calculated as 2-D gamut area in CIE 1931 xy colorspace. Size is the total relative display gamut area and includes any colors outside the reference gamut. Coverage is the relative display gamut area contained inside the reference gamut. NTSC values provided for comparison purposes - modern broadcast video uses SMPTE-C, ITU-R BT, 709-5/sRGB or EBU primaries.

\*\* AdobeRGB is a standard defined by Adobe Systems Incorporated.

\*\*\* 640 x 400 available with DIGITAL input only

\*\*\*\* 30 Hz refresh rate available with ANALOG input only



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