NEC MultiSync® LCD2490WUXi²

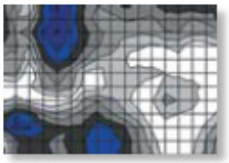
24" widescreen, professional LCD display ideal for high-end graphics applications

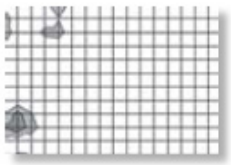
Achieve the ultimate in color performance. The 24" NEC MultiSync LCD2490WUXi² delivers an entirely new perspective to your desktop. Color and brightness uniformity were paramount in the design of this high-performance display, making it ideal for graphic arts, desktop publishing, photography and other color-critical environments. In addition, 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, the LCD2490WUXi² could easily be considered the most intelligent visual display solution to date.

- Color gamut ideal for sRGB applications
- 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
- 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

The LCD2490WUXi²'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 150mm, and the display pivots between landscape to portrait orientations.





Achieve complete color and brightness uniformity. *By nature, LCD panels contain uniformity errors, which are visible as slightly brighter or darker areas on the screen. To combat this inherent trait, each LCD2490WUXi² display is individually characterized during production using a fully automated system that measures multiple points across the screen at different gray levels. These measurements are used to build a 3-D correction matrix stored inside the display. This data is used to compensate for the uniformity not only as a function of position on the screen but of gray level as well. In turn, this technology, called ColorComp, reduces the non-uniformity to virtually unnoticeable levels and applies a digital correction to each pixel on the screen to compensate for differences in color and luminance.*

Model	**MultiSync LCD2490WUXi²**
Display	
Viewable Size Image	24"
Pixel Pitch	0.27mm
Pixels Per Inch	94 @ native resolution
Brightness (typical)	320 cd/m²
Contrast Ratio (typical)	1000:1
Viewing Angle (typical)	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR > 10
Response Time (typical)	Rapid Response™ (8ms Gray-to-Gray; 16ms Black-to-Black)
Panel Bit Depth	12-bit internal LUTs, displays 16.7 million colors out of 68.5 billion color palette
Color Gamut*	
Coverage	AdobeRGB** - 75.2% / sRGB - 96.7%
Size	AdobeRGB - 75.6% / sRGB - 102%
Synchronization Range	
Horizontal	31.5 - 93.8/118 KHz (Analog/Digital)
Vertical	50 - 85 Hz
Input Signal	
Video	Analog RGB 0.7 Vp-p/75 Ohms
Sync	Separate sync: TTL Level (Positive/Negative) Composite sync: TTL Level (Positive/Negative) Composite sync on green: (0.3Vp-p negative 0.7Vp-p positive)
Inputs	DVI-D, DVI-I & VGA 15-pin D-sub
Resolutions Supported (Analog/Digital)	720 x 400 @ 70-85 Hz 640 x 480 @ 60-85 Hz 800 x 600 @ 56-85 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-85 Hz 1024 x 1280 @ 60 Hz 1152 x 864 @ 70-85 Hz 1152 x 870 @ 75 Hz 1280 x 960 @ 60 Hz 1280 x 1024 @ 60-75 Hz 1400 x 1050 @ 60-75 Hz 1440 x 900 @ 60-85 Hz 1600 x 1200 @ 60 Hz 1920 x 1200 @ 60Hz 720 x 480p @ 60 Hz 720 x 576p @ 50 Hz 1280 x 720p @ 50/60Hz 1920 x 1080p @ 50/60 Hz
Native Resolution	1920 x 1200 @ 60Hz
Additional Features	ColorComp - uniformity corrrection, X-Light Pro - backlight stabilization, AmbiBright - ambient light sensor, ultra-thin frame (bezel), No Touch Auto Adjust™, VESA Mount, sRGB, tilt, swivel, height-adjustable stand (150mm), pivot, quick-release stand, vacation switch (zero-watt mode), 12-bit LUTs, black level adjustment, overdrive, ECO Mode™, real-time clock, Analog/Digital CableComp™, TileMatrix™, TileComp™, SpectraView™ software-enabled, touch-capable
Touch-Capable	Designed for integration
Voltage Rating	AC 100-120V / AC 220-240V
Power Consumption (typical)	
On	75W
Power Savings Mode	1W
Dimensions (WxHxD)	
Net (with stand)	21.8 x 17 x12 in. / 554.2 x 432.4 x 306mm
Net (without stand)	21.8 x 14.2 x 4.1in. / 554.2 x 359.8 x 104mm
Net Weight	
(with stand)	26 lbs. / 11.8 kg
(without stand)	19.2 lbs. / 8.7 kg
VESA Hole Configuration Specifications	100 x 100mm / 200 x 100mm
Environmental Conditions	
Operating Temperature	5-35° C / 41-95° F
Operating Humidity	30-80%
Operating Altitude	3048m / 10,000 ft.
Storage Temperature	-10-60° C / 14-140° F
Storage Humidity	10-85%
Storage Altitude	12,192m / 40,000 ft.
Safety Standards	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 '6, US Mercury regulations, WEEE, RoHs, SASO, Energy Star 4.0 Tier 2, GEEA, JEITA VOC Guideline. J-Moss, Windows XP, DEN-TORI
Limited Warranty	4 years parts and labor, including backlight
Technical Support	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 primatries.

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

ENERGY STAR

RoHS compliant

CERTIFIED FOR Windows Vista™

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