NEC MultiSync® LCD1990SXi

Thin-bezel desktop LCD monitor ideal for high-end users

The standard aspect ratio 19" NEC MultiSync LCD1990SXi is ideal for a variety of environments and applications, most notably financial trading floors, call centers, graphic arts/desktop publishing and computer-aided design, as well as medical information systems and soft-copy clinical viewing, including PACS. Not only is this monitor a smart investment for you and your company, its advanced functionality and productivity-enhancing technologies illustrate its unique brilliance.

Highlights

- **ColorComp**™ reduces screen uniformity errors and compensates for differences in color/grayscale and luminance
- **Internal 12-bit lookup table (LUT)** allows the display of 16.7 million colors out of a palette of 69 billion, while providing for more points of shading between white and black and overall improved representation of gamma curves
- **XtraView+**™ **technology** provides for the widest viewing angles available (up to 178°) with minimal off-angle color shift
- **Gamma selection** lets you adjust the screen to custom or your preferred settings (2.2, DICOM GSDF, S-Curve or native)
- **Ambix³**™ **technology** provides the widest range of computer video compatibility between analog and digital systems, and enables you to switch between three inputs
- **TileMatrix**™ **and TileComp**™ allow you to build virtually seamless video walls of various confi gurations (horizontal or vertical) through the Advanced OSM
- **AmbiBright**™ automatically adjusts the backlight and power management depending on ambient lighting brightness
- **ECO Mode**™ helps extend the life of the display by allowing the user to dim the backlight, thereby reducing heat generation and conserving energy
- **CableComp**™ **automatic long cable compensation** prevents image quality degradation caused by long analog or digital DVI-D cable lengths
- **Automatic black level adjustment** regulates grayscale images for optimal picture quality
- **No Touch Auto Adjust**™ provides optimal image settings upon initial power-on and closed signal changes (includes a user-selectable mode in the Advanced OSM)
- **6-axis color control engine** allows for precise and simplified color, color temperature (2600-10,000K), hue and saturation adjustment
- **NaViSet**™ **software** offers an expanded and intuitive graphical interface, allowing you to more easily adjust display settings via mouse and keyboard. Through DDC/CI, the Administrator version utilizes the monitor's advanced control and diagnostics capabilities to provide IT professionals with remote access to monitor settings over their existing network

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Specifications for LCD1990SXi

MODEL	LCD1990SXi/-BK
DISPLAY	
Panel Technology	IPS
Viewable Image Size	19"
Aspect Ratio	5:4
Native Resolution	1280 x 1024
Pixel Pitch	0.294mm
Pixels Per Inch	86 @ native resolution
Backlight Type	CCFL
Brightness (typical)	220 cd/m²
Contrast Ratio (typical)	600:1
Viewing Angle (typical)	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10
Response Time (typical)	18ms
Color Gamut	
NTSC Coverage/Size	72.1% / 72.4%
sRGB Coverage/Size	93.5% / 102.2%
Lookup Table	12-bit
Displayable Colors	16.7 million out of 68.5 billion
Synchronization Range	
Horizontal (Analog/Digital)	31.5-81.1 kHz
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)
Input Connectors	DVI-D, DVI-I, VGA 15-pin D-sub
POWER CONSUMPTION	
On (typical)	46W
Power Savings Mode (typical)	<1W
PHYSICAL SPECIFICATIONS	
Dimensions (WxHxD)	
Net (with stand)	15.8 x 14.4-19.5 x 9.7 in. / 402.3 x 410.7-560.7 x 247.3mm
Net (without stand)	15.8 x 13 x 3.1 in. / 402.3 x 330.3 x 80mm
Weight	
Net (with stand)	19.8 lbs. / 9 kg
Net (without stand)	13.8 lbs. / 6.3 kg
VESA Hole Configuration	100 x 100mm
ENVIRONMENTAL CONDITIONS	
Operating Temperature	41-95°F / 5-35°C
Operating Humidity	30 - 80%
Operating Altitude	10,000 ft. / 3048m
Storage Temperature	14-140°F / -10-60°C
Storage Humidity	10-85%
Storage Altitude	40,000 ft. / 12,192m
ENVIRONMENTAL COMPLIANCE	
RoHS	Yes
LIMITED WARRANTY	4 years parts and labor, including backlight*
ADDITIONAL FEATURES	ECO Mode; Thin frame; Tilt; Swivel; Pivot; Height-adjustable stand; Quick release stand; Carrying handle; Rapid Response; XtraView+; OSD user controls; NaViSet software; Cable management; Touch-integratable; VESA mount; HDCP; DDC/CI; No Touch Auto Adjust; 12-bit LUT; Black Level adjustment; AmbiBright; CableComp; TileMatrix; TileComp; GammaComp MD QA software; SpectraView software-ready
SHIPS WITH	Power cord; 15-pin D-sub to DVI-A; DVI cable; CD-ROM; Cable Cover; Mounting Screws
OPTIONAL ACCESSORIES	SpectraView₁₁ Color Calibration Kit (SVII-PRO-KIT); Color calibration sensor (MDSVSENSOR3); SpectraView software (SVIISOFT); Multimedia soundbar (black: SOUNDBAR90-BK; white: SOUNDBAR90)

* Warranty restrictions apply. Contact your representative for details.

The MultiSync LCD1990SXi features a 4-way ergonomic stand with capabilities of pivot, height-adjustment (up to 150mm), tilt and swivel, allowing you to create an ideal ergonomic display orientation for maximum viewing comfort. Its quick-release stand also makes it easy to quickly move the display to a wall or arm mount.

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