An affordable solution for color-accurate applications

MultiSync® EA Series with SpectraView$_{II}$™

Cutting-edge Technology

High performance AH-IPS LCD panels provide wide viewing angles of up to 178º and deliver great color in every environment.

- ControlSync enables multi-monitor setups of up to six monitors and controls up to 26 settings
- Human sensor automatically dims your monitor when you're away, saving power
- Includes SpectraView$_{II}$ software and Datacolor Spyder5 color sensor

A Perfect Fit for Your Workspace

Future-proof connectivity, great ergonomics, and a VESA mount to fit every desk and office environment.

- DisplayPort and HDMI inputs connect to most PC and Mac computers
- Four-way ergonomic stand includes pivot, swivel, tilt and height-adjustment up to 130mm
- VESA-standard mounting holes for multi-display setups

SpectraView$_{II}$ Color Calibration Solution Features and Benefits

Before Calibration

After Calibration

How it works

The SpectraView$_{II}$ system uses a colorimeter to take color measurements of the display screen during calibration. The software analyzes these measurements and sends color adjustment commands directly to the display monitor. All adjustments are made in the monitor rather than in the video graphics adapter, resulting in full use of the number of colors available on the graphics adapter and a much brighter image with the maximum possible color gamut. Since the video graphics adapter is not used at all to make any gamma or tone response curve corrections to the display, so the full color resolution and fidelity of the system is maintained and the display remains calibrated for all digital video inputs.

Multiple calibration targets

Different monitor calibrations can be instantly loaded, allowing quick and easy switching between different calibration settings without the need to re-calibrate the display. These calibration targets contain many settings, including luminance, contrast ratio, color gamuts and gamma curves. Each time a calibration set is loaded, the necessary monitor settings and ICC/ColorSync profiles are automatically updated.

Calibrated display information

At the end of each monitor calibration, an information window is displayed that includes a wealth of information about the display such as the measured color gamut, grayscale color tracking, Delta-E and luminance values as well as the model name, serial number and the total hours of use.

Monitor profiling

After calibration, the display is automatically profiled and highly accurate ICC/ColorSync color profiles are generated and automatically registered with the computer's color management system.

Calibration status validation

SpectraView$_{II}$ will query each calibrated monitor to see if any controls have changed since the last calibration. If anything has changed, the previous calibrated state can be restored automatically.

Colorimeter function

The software features a colorimeter function, which allows direct measurements to be taken by the color sensor and the results displayed in a variety of different formats.

USB & Display Data Channel Command Interface (DDC/CI) Communications

SpectraView$_{II}$ communicates with the monitor using either USB or DDC/CI, which is a two-way communications link between the video graphics adapter and display monitor using the standard video signal cable.

Monitor locking

Once calibrated, the On Screen Display (OSD®) controls for the display monitors can be locked to prevent accidental or unauthorized adjustment, which may invalidate the calibrated state of the monitor.

NEC NaViSet™ Administrator integration

SpectraView$_{II}$ integrates with the NEC NaViSet Administrator network software to provide remote network access and monitoring of display monitors. NaViSet Administrator is able to read, display and log the current calibration settings and status of displays on a corporate network.

SpectraView$_{II}$ Software Requirements

Apple Mac OS X v10.6 or higher. Windows 7 and Windows 8 32-bit and 64-bit versions. Suse Enterprise Desktop 10 and higher. At least one available USB port for the color sensor.

SpectraView$_{II}$™

Visit www.necdisplay.com for the latest requirements.

Adaptable to Every Workspace

The Essential

With a fully-featured ergonomically designed stand, the MultiSync EA Series displays rotate, tilt, pivot to portrait and extend up to 130mm. The removable stand features an integrated cable management system with cover and also includes a locking feature for easy transport.

The Extras

The MultiSync EA Series on screen display (OSD) is fully featured and touch-enabled. There is also a dedicated button for turning the Picture in Picture mode on and off and another for switching inputs.

Picture by Picture

The Essential

Picture by Picture configurations allow multiple inputs to be shown on screen simultaneously in order to improve productivity.

The Extras

The MultiSync EA Series allows for two different inputs to be shown simultaneously, which is useful for multiple computer configurations or even replacing multiple display setups.

Picture by Picture

MODEL			EA275WMi-BK-SV	EA305WMi-BK-SV	EA244UHD-BK-SV	EA275UHD-BK-SV
Display	Panel Technology		AH-IPS	AH-IPS	AH-IPS	AH-IPS
	Backlight Type		W-LED	GB-R LED	GB-R LED	LED
	Viewable Image Size		27"	29.8"	23.8"	27"
	Aspect Ratio		16:9	16:10	16:9	16:9
	Native Resolution		2560 x 1440	2560 x 1600	3840 x 2160	3840 x 2160
	Pixel Pitch		0.23mm	0.25mm	0.14mm	0.16mm
	Pixels Per Inch (at native resolution)		109 @ native resolution	101 @ native resolution	185 @ native resolution	163 @ native resolution
	Brightness (typical)		350 cd/m²	350 cd/m²	350 cd/m²	350 cd/m²
	Contrast Ratio (typical)		1000:1			
	Viewing Angle (typical)		178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10			
	Response Time (typical)		6ms			
	Color Gamut*					
	Adobe RGB Coverage/Size**		80.4% / 85.8%	99.3% / 108.6%		78.1% / 81.6%
	NTSC Coverage/Size		77.3% / 82.0%	94.8% / 103.7%		75.1% / 78.0%
	sRGB Coverage/Size		100% / 115.7%	100% / 146.4%		100.0% / 110.1%
	Displayable Colors		16.8 million		1.07 billion out of 4.3 trillion	
	Synchronization Range		31.5 KHz - 83.0 KHz / 31.5 KHz - 91.0 KHz			
	Horizontal (Analog/Digital)		31.5-83 kHz	31.5-98.7kHz	31.5-134 kHz	31.5-135 kHZ
	Vertical		56-75 Hz	56.0 Hz - 75.0 Hz	30-75 Hz	30-75 Hz
	Input Signal	Video	Analog RGB 0.7 Vp-p/75 Ohms		N/A	Analog RGB 0.7 Vp-p/75 Ohms
		Sync	Composite sync: TTL Level (Positive/Neg tive) Composite sync on green: (0.3Vp-p negative 0.7Vp-p positive)		N/A	Composite sync: TTL Level (Positive/Neg tive) Composite sync on green: (0.3Vp-p negative 0.7Vp-p positive)
	Input Connectors		DVI-I, DisplayPort 1.2, HDMI 2.0		DisplayPort (2), HDMI, HDMI/MHL, DVI-D Single Link (2), USB 3.0 hub (1 up/ 3 down)	DVI-D, HDMI, DisplayPort
	Output Connectors		DisplayPort 1.2 out		N/A	N/A
POWER CONSUMPTION	On (typical)		57W	83W	79W	71W
	Power Savings Mode (typical)		0.44W		0.33W	0.5W
PHYSICAL SPECIFICATIONS	Dimensions (WxHxD)	Net Weight (with stand)	25.2 x 16.5 - 21.6 x 9.1 in. / 639.2 x 417.9 - 537.9 x 230 mm	27.0 x 18.6 - 23.7 x 9.1 in. / 686.9 x 472.8 - 602.8 x 230.0 mm	22.0 x 15.2 - 20.3 x 8.6 in. / 558.2 x 386.7 - 516.7 x 218.0 mm	25.2 x 16.5 - 21.6 x 9.1 in. / 639.2 x 417.9 - 537.9 x 230 mm
		Net Weight (without stand)	25.2 x 14.9 x 2.6 in. / 639.3 x 377.8 x 72 mm	27.0 x 17.6 x 3.0 in. / 800.0 x 613.0 x 280.0 mm	22.0 x 13.2 x 2.8 in. / 558.2 x 334.3 x 72.0 mm	25.2 x 14.9 x 2.6 in. / 639.2 x 377.8 x 66.5 mm
	Net Weight (with stand)		19.2 lbs / 8.7 kg	24.0 lbs. / 10.9 kg	19.2 lbs / 8.7 kg	20.1 lbs / 9.1 kg
	Net Weight (without stand)		12.8 lbs. / 5.8 kg	17.2 lbs. / 7.8 kg	11.0 lbs / 5.0 kg	13.7 lbs. / 6.2 kg
	VESA Hole Configuration		100 x 100 mm			
ENVIRONMENTAL CONDITIONS	Operating Temperature		41-95°F / 5-35°C			
	Operating Humidity		20-80%			
	Operating Altitude		16,404 ft. / 5000m		6562 ft. / 2000m	
	Storage Temperature		14-140°F / -10-60°C			
	Storage Humidity		10-85%			
	Storage Altitude		40,000 ft. / 12,192m			
ENVIRONMENTAL COMPLIANCE	ENERGY STAR		6.0			
	TCO		Certified 6.0 / Edge Certified 1.2			Edge Certified 1.2
	RoHS		Yes			
LIMITED WARRANTY			3 years parts and labor, including backlight, Warranty restrictions apply			
ADDITIONAL FEATURES			Tilt; Swivel; Pivot; Height-adjustable stand; ControlSync; Customize Setting; Integrated speakers; 4-port USB hub; LED backlit; Auto brightness with ambient light sensor; Human sensor; ECO Mode; Carbon footprint meter; Resettable cost meter; Thin frame; Carrying handle; Rapid Response; Ambix; XtraView; Hot Key; Touch OSD controls; OSD Lock Out; Cable management; Dynamic Visual Mode (Standard, Text, Movie, Gaming, Photo, Dynamic); NaViSet Administrator 2; VESA mount; HDCP; DDC/CI; No Touch Auto Adjust; Plug and Play (VESA DDC2B); VESA DPMS power management; AccuColor color control; Digital smoothing; Digital controls; ISO 9241-307 Class I; DICOM SIM for IPS models			
SHIPS WITH			Setup sheet; User manual; Power cord; DisplayPort cable; USB cable; ControlSync cable; SpectraViewII software USB drive, Datacolor Spyder5 color calibration sensor			

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