

# NEC MultiSync® PA Series

*Wide Gamut LED-backlit color accurate  
desktop displays*

Color accuracy that you can trust. The 24" PA242W-BK, 27" PA272W/PA272W-BK and 30" PA302W-BK/PA302W are the new benchmark desktop displays for color critical applications. The innovative GB-R LED backlight provides over 99% coverage of the Adobe RGB color space while consuming up to 44% less power than comparable CCFL backlights. Utilizing a high performance AH-IPS LCD panel and backed by a 4 year warranty with Advanced Exchange, the MultiSync PA Series will reliably deliver high quality, accurate images simply and beautifully.



## Impeccable Image Performance

A GB-R LED backlight, a high performance AH-IPS LCD panel and the SpectraView Color Engine deliver great color in every environment.

- Up to 99.3% coverage of the Adobe RGB color space and accurate 100% coverage of sRGB
- 10-bit HDMI and DisplayPort inputs can use 1.07 billion colors out of a palette of 4.3 trillion colors
- AH-IPS LCD provides wide viewing angles of 178°

## Simple Color Management

The sophisticated color engine provides extensive, intuitive control over color settings.

- MultiProfiler software and on-screen controls provide access to thousands of color gamut, gamma, white point, brightness and contrast combinations
- Internal 14-bit 3D lookup tables (LUTs) work with the SpectraViewII color calibration solution for unparalleled color accuracy

## A Better Workflow

Exclusive, innovative features can eliminate steps in a color editing workflow, saving time and hassle.

- 5 completely customizable picture modes provide shortcuts to commonly used graphics settings
- MultiProfiler loads ICC profiles into presets and also provides keyboard shortcuts for common functions
- 2 up / 3 down USB hub with DisplaySync Pro controls two computers with one keyboard and mouse

## A Perfect Fit for Your Workspace

Future-proof connectivity, great ergonomics, VESA mount and a choice of black or white cabinets to fit every desk and office environment.

- 10-bit DisplayPort and HDMI as well as DVI-D and VGA inputs connect to most PC and Mac computers
- Four-way ergonomic stand boasts pivot, swivel, tilt and height-adjustment up to 150mm
- VESA-standard mounting holes for multi-display setups

## Color Accurate Editing



### The Essential

Designed for color accuracy while editing images and video, the MultiSync PA Series can accurately emulate several color spaces, including Adobe RGB, sRGB, REC-709 and DCI.

### The Extras

Using MultiProfiler, the presets in a MultiSync PA Series can be set to emulate most other color spaces simply by loading an ICC profile from a printer, display or projector, allowing you to quickly switch between multiple color spaces while editing. In addition, you can display the same image in two different picture modes simultaneously on screen, allowing for a quick preview of a second color space and saving time switching between color spaces in editing software.

## Multiple Computer Environments



### The Essential

With plenty of connectivity options, including DisplayPort, DVI-D, HDMI and select models with Mini DisplayPort and VGA connections, the MultiSync PA Series can connect most modern computer systems.

### The Extras

Each MultiSync PA Series features a USB hub with two upstream connections and three downstream connections. This allows you to connect two different computers using the USB port and share a keyboard, mouse and a third device between the two computers with the push of a button. Since the internal LUTs store the calibration data in the display, every input is a calibrated input.



# Adaptable to Every Workspace

## The Essential

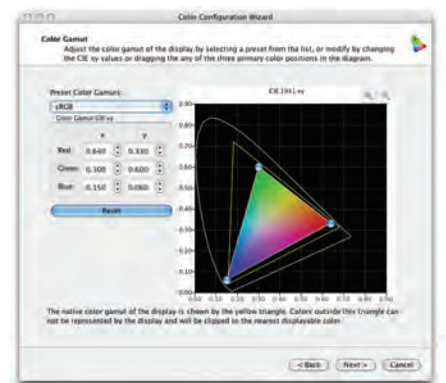
With a fully-featured ergonomically designed stand, the MultiSync PA Series displays rotate, tilt, pivot to portrait and extend up to 150mm. The removable stand features an integrated cable management system with cover and also includes a locking feature for easy transport. In addition, the MultiSync PA302W is available in both black and white to better match the design of your office or home.

## The Extras

The MultiSync PA Series on screen display (OSD) is fully featured and contains exclusive controls for color and inputs and will rotate to match the orientation of your display. There is also a dedicated button for turning the Picture in Picture mode on and off and another for switching inputs.



# Color Space Emulation



## The Essential

Built-in presets for standard color spaces, including sRGB, AdobeRGB, DCI and even medical DICOM standard provide quick access to previewing your work in a specific color space.

## The Extras

MultiProfiler software gives you direct control over your display's built-in preset so that you can have multiple custom color space emulations simultaneously on the display. Color gamut, white point, gamma and brightness are controllable for each preset and ICC color profiles for printers or displays can also be loaded into the presets for a more perfect color match.

# Picture in Picture / Picture by Picture



Picture in Picture  
*shown with 2 separate inputs*



Picture by Picture  
*shown with the same input, multiple color spaces*

## The Essential

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

## The Extras

The MultiSync PA Series allows for two different inputs to be shown simultaneously, which is useful for multiple computer configurations or even replacing multiple display setups. The same input can also be displayed in a second color space, which is most often used for a quick preview of an output color space (for example, sRGB) while working in a different color space (for example, Adobe RGB). This saves the time used to switch back and forth between color spaces as final editing tweaks are made.

## 10 bit Color



10 bit color eliminates banding



8 bit color shows banding

## The Essential

10 bit color or “deep color” provides an extra 2 bits of color data accessible through the display, extending the typical display’s 16.7 million colors to over 1 trillion colors. This improves gradients and reduces image banding.

## The Extras

The MultiSync PA Series offer 10 bit color support over DisplayPort and HDMI inputs for increased color fidelity. When matched with 10 bit operating system, software applications and video card, images are displayed with even more accuracy than ever before.

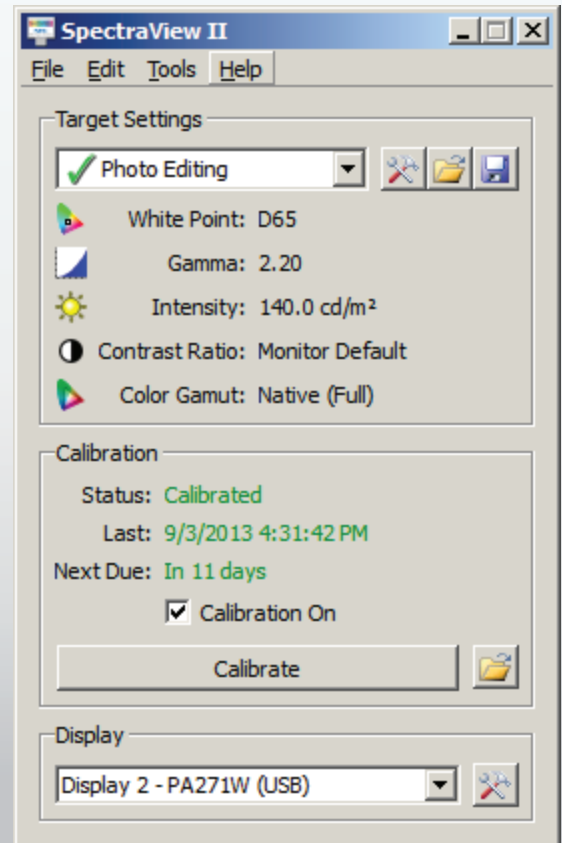
# SpectraView<sub>II</sub>™ Color Calibration Option

## The Essential

Available as an option for the PA242W, the SpectraView<sub>II</sub> system uses an external color sensor to ensure the consistency and accuracy of the colors on your NEC display. SpectraView<sub>II</sub> is the only software that calibrates the lookup tables (LUTs) in an NEC display, eliminating a loss of color caused by video card LUT calibration.

## The Extras

The SpectraView<sub>II</sub> system is simple, quick and reliable. Custom calibration targets allow you to calibrate to thousands of calibration combinations and the calibration validation functionality provides you with everything you need to trust the calibration results. In addition, SpectraView<sub>II</sub> includes lifetime upgrades and can be used for your future NEC displays.



## Optional Accessories



	Hood Compatibility		
NEC Model No.	HDP A212426	HDP A27	HDP A30-2
Hood Size	21" - 24"	27"	30"
Works With	PA242W-BK	PA272W PA272W-BK	PA302W PA302W-BK



2W USB SOUNDBARPRO

## The Essential







NEC offers several accessories to complete your professional desktop setup, from hoods that shield the LCD screen to the multimedia soundbar that attaches directly to your display.

## The Extras

The 2W USB connected SOUNDBARPRO attaches directly to your NEC MultiSync display and provides good quality multimedia audio. Each MultiSync PA Series features an optional custom-engineered hood designed to shield ambient light from the screen, providing more control over your viewing experience.



## Specifications for MultiSync PA242W-BK/PA272W/PA272W-BK/PA302W/PA302W-BK

MODEL	PA242W-BK		PA272W/PA272W-BK		PA302W/PA302W-BK	
DISPLAY						
	Panel Type	Backlight Type	Viewing Angle	1000:1 Contrast Ratio	Lookup Table	Warranty
Viewable Image Size	24.1"		27"		29.8"	
Aspect Ratio	16:10		16:9		16:10	
Native Resolution	1920 x 1200		2560 x 1440		2560 x 1600	
Pixel Pitch	0.27mm		0.23 mm		0.251mm	
Pixels Per Inch	93 @ native resolution		109 @ native resolution		101 @ native resolution	
Brightness (typical)	340 cd/m²					
Response Time (typical)	8ms Rapid Response		6ms Rapid Response		6ms Rapid Response	
Color Gamut*						
Adobe RGB Coverage/Size**	99.3% / 108.6%					
NTSC Coverage/Size	94.8% / 103.7%					
sRGB Coverage/Size	100% / 146.4%					
Displayable Colors	1.07 billion out of 4.3 trillion (10-bit DisplayPort or HDMI input); 16.7 million colors out of 1.05 billion color palette (DVI-D and VGA inputs)		1.07 billion out of 4.3 trillion (10-bit DisplayPort or HDMI input); 16.7 million colors out of 1.05 billion color palette (DVI-D)			
Input Connectors	DisplayPort, HDMI, DVI-D, VGA		DisplayPort, Mini DisplayPort, HDMI, DVI-D Dual Link			
POWER CONSUMPTION						
On (typical)	56W		73W		87W	
Power Savings Mode (typical)	0.2W		1W		1.4W	
PHYSICAL SPECIFICATIONS						
Dimensions (WxHxD)						
Net (with stand)	21.9 x 14.8 - 20.7 x 8.9 in. / 556.8 x 378 - 528 x 227.6 mm		25.2 x 15.6-21.5 x 9.3 in. / 640.4 x 396.2-546.2 x 235.5mm		27.1 x 18.4-24.3 x 11.9 in. / 688 x 466.4-616.4 x 301.6 mm	
Net (without stand)	21.9 x 14.2 x 3.3 in. / 556.8 x 362.4 x 85 mm		25.2 x 14.9 x 3.3 in. / 640.4 x 378.6 x 85mm		27.1 x 17.6 x 3.2 in. / 688 x 446.8 x 82 mm	
Weight						
Net (with stand)	23.4 lbs. / 10.6 kg		28.4 lbs. / 12.9 kg		37.5 lbs. / 17.0 kg	
Net (without stand)	16.3 lbs. / 7.4 kg		19.6 lbs. / 8.9 kg		23.6 lbs. / 10.7 kg	
VESA Hole Configuration	100 x 100mm		100 x 100mm, 200 x 100mm			
ENVIRONMENTAL CONDITIONS						
Operating Temperature	41-95°F / 5-35°C					
Operating Humidity	20 - 80%					
Operating Altitude	6562 ft. / 2000m		16,404 ft. / 5000m			
Storage Temperature	14-140°F / -10-60°C					
Storage Humidity	10-85%					
Storage Altitude	40,000 ft. / 12,192m					
Tropical Environments	Yes					
ADDITIONAL FEATURES	USB hub (2 up/3 down) with DisplaySync Pro, 5 Picture Modes, Picture in Picture, Picture by Picture, ICC Profile Emulation, Color Vision Emulation, 14-bit 3D gamma, Wide Color Gamut, Adobe RGB, DICOM, REC 709, Digital Uniformity Correction, black Level adjustment, 150mm height-adjustable and quick release stand with locking base and cable management as well as tilt, swivel and pivot, MultiProfiler software, touch-integratable, CableComp, TileMatrix and TileComp support, Standalone hardware calibration (PA302W models only)					
OPTIONAL ACCESSORIES	SpectraViewII Color Calibration Kit (SVII-PRO-KIT); Color calibration sensor (MDSVSENSOR3); SpectraView software (SVIISOFT); Hood (HDPAA212426); Multimedia soundbar - black (SOUNDBARPRO)		SpectraViewII Color Calibration Kit (SVII-PRO-KIT); Color calibration sensor (MDSVSENSOR3); SpectraView software (SVIISOFT); Hood (HDPAA27); Multimedia soundbar - black (SOUNDBARPRO)		SpectraViewII Color Calibration Kit (SVII-PRO-KIT); Color calibration sensor (MDSVSENSOR3); SpectraView software (SVIISOFT); Hood (HDPAA30-2); Multimedia soundbar - black (SOUNDBARPRO)	
SHIPS WITH	Power cord; DisplayPort cable; Mini DisplayPort to DisplayPort cable; DVI cable; USB A to B cable; Mounting screws					



\* 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.

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