

NEC Professional Reference Displays

MULTISYNC® PA SERIES

Featuring PA241W | PA271W | PA301W

When Error Free Viewing is Critical

10-BIT P-IPS PERFORMANCE



MULTISYNC® PA SERIES

RANGE VARIATIONS

PA MODELS	PA241W	PA271W	PA301W
Panel Technology	IPS	P-IPS	P-IPS
Screen Diagonal [inch/cm]	24.1 / 61.1	27.0 / 68.5	29.8 / 75.6
Colour Gamut Coverage / Size	98% / 107% AdobeRGB	97% / 107% Adobe RGB	98% / 107% Adobe RGB
Native Resolution [Megapixel]	1920 x 1200 at 60 Hz	2560 x 1440 at 60 Hz	2560 x 1600 at 60 Hz
Pixel Pitch [mm]	0.270	0.233	0.251
Contrast Ratio (typ.)	1000:1		
Viewing Angle (H / V @ CR > 10:1)	178 / 178 (typ. at contrast ratio 10:1)		
Luminance	360 cd/m ² maximum	300 cd/m ² maximum	350 cd/m ² maximum
Displayable Colours [Billion]	1.073 (10-bit per colour)	1.073 (10-bit per colour)	1.073 (10-bit per colour)
Grayscale Reproduction [Bit-Depth]	10 (1024 grey tones)		
Accurate Gamma Control	14-bit LUT with 16-bit processing		
Signal Inputs	VGA, 2 x DVI-D, DisplayPort	2 x DVI-D, DisplayPort	2 x DVI-D, 2 x DisplayPort
Digital Uniformity Control	Yes		
Backlight Stabilisation	Yes		
Picture in Picture	Yes		
Programmable 3D LUT	Yes		
Warranty	3 years warranty including backlight plus optional 5 year extension		

PA PROFESSIONAL DISPLAYS

The NEC MultiSync® PA Series has been designed to deliver uncompromising image quality to a variety of demanding professional desktop display applications. Uniting outstanding colour reproduction, class-leading ergonomics around 10-bit P-IPS panel performance and 10-bit input on DisplayPort, the PA Series is the ideal display platform for all creative professionals, designers, photographers, precision engineers and anyone who has to deliver accurate image output.



Exhibiting many environmentally friendly features, as well as featuring a design which has won the prestigious iF Design Award 2010, the PA series proves that an environmentally responsible approach to product design does not have to compromise technical performance.



product
design
award

2010



REFERENCE

The NEC REFERENCE designation is awarded to our products and solutions which through their performance and benefits we consider to be the market benchmark for our customers. The logo is a tangible reminder of our high quality, performance-driven Japanese heritage, our focus on award-winning design flair and our passion for state of the art leadership in innovation.

PERFORMANCE | AND PRECISION

Offering a range of professional sizes and resolutions the outstanding PA series offers direct productivity benefits, future-proof peace of mind and an uncompromising promise to give the professional user the best visual performance in the market.

Building on the success of the NEC MultiSync® 90 Series has ensured that the MultiSync® PA Series offers and delivers genuine benefits as well as defining the reference benchmark display for the desktop market in terms of technology, features and productivity.

All creative professionals, such as photographers, will immediately save time and increase personal productivity through seeing reality on their screen. Their creative masterpieces are displayed precisely as originally envisaged. Instant real-time visualisation with 3D colour space emulation and picture-in-picture capability allows simultaneous preview of different white point settings and varying paper types and tints on finished printed work. Reduced desk clutter and easy multi-platform support and input following USB hub (DisplaySync Pro) and picture-by-picture will also give enhanced productivity benefits through time saving and effective use of equipment.

NEC maintains its responsible approach to environmental impact, without performance compromise, through ambient light sensor, carbon savings meter, efficient cabinet packing design and use of sensitive materials. All efforts are made to ensure that high performance is provided with the minimal use of valuable resources. Finally, future-proof connectivity with the latest DisplayPort connector, as well as use of high quality Japanese design and components ensure that the life-cycle environmental impact of the PA series is mitigated to a minimum.

REFERENCE STANDARD PROFESSIONAL PERFORMANCE*

10-Bit P-IPS Panel Delivering the Ultimate in Image Accuracy

1 Billion Colours with 3D Colour Emulation Look Up Table

Up to 2560 x 1600 Resolution for Wider Workspace Fine Detail Viewing

Image Uniformity Control and Backlight Ageing Correction

Advanced Connectivity Including 10 Bit DisplayPort Input

PIP Combinations, Multiple Input Source, Simultaneous Viewing

A range of Professional Desktop Displays that are ideal for users in the Photography and Media, Architecture, Engineering, Industrial Design and Precision CAD fields.

* There are some variations between different PA models. Please check specifications page.



PA301W

PA SHOWCASING Worakorn CGI
Computer Graphics Modelling

10-BIT P-IPS PERFORMANCE

The IPS (In plane switching) panel technology is found at the heart of the MultiSync® PA series technology design. The IPS advantage has always found particular favour in the professional colour display industry (graphic design, photo and video editing, CAD-CAM), as well as mission-critical multi-screen configurations (medical diagnosis, financial trading rooms).

The wide viewing angle with negligible colour shift means that image data is accurately and reliably communicated to all users from all viewing positions. Additionally IPS LCD colour reproduction offers a depth and realism of reproduction, in which all fine colour nuances can be appreciated.

The latest 10-bit P-IPS panel offers the ultimate image quality and represents the cutting-edge of today's professional imaging technology. The P-IPS version is a member of H-IPS technology grouping, in which the light transmittance (aperture ratio) of the semiconductor transistor has been further improved. This improves specified contrast levels, as well as offering an opportunity for energy savings. More importantly the P-IPS version also offers an improved wider colour gamut performance. This wider colour gamut is possible through the use of improved colour filters, stabilised spectral backlighting technologies and the improved aperture ratio of the panel.

P-IPS Ideal for Photographers and Creative Designers. See your work truly reproduced on screen the way you intended. More controlled crystal polarisation associated with IPS, results in more accurate brightness and image integrity.



PA SHOWCASING Casey Moore
Fashion Photography LONDON



ADVANCED COLOUR REPRODUCTION

OVER 1 BILLION COLOURS

The PA Series employs the latest 10-bit (or 8-bit + FRC) grayscale control and processing electronics, which, when aligned with the wide colour gamut RGB colour filters, allows over a billion individual colours to be displayed. This 10-bit colour capability is best taken advantage of when using the latest DisplayPort video connector, and 14-bit LUT to ensure smooth and graded colour and grayscale spectral distributions.

Enjoy the smoothest colour gradation with the 10-bit panel offering 1024 grayscales per RGB channel generating 1.073 billion possible colours, instead of the conventional 16.7 million colours associated with 8-bit technology.

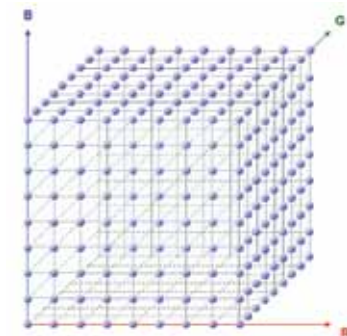
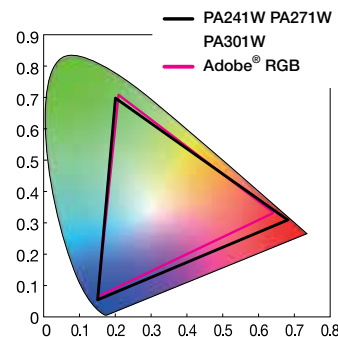
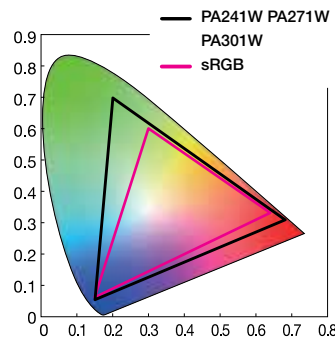
WIDE COLOUR GAMUT

Experience the very best in colour image quality with the latest generation of state of the art 10-bit P-IPS technology, with exceptionally wide viewing angle, widest colour gamut available (107% AdobeRGB colour space) and absence of colour shift. The true benefit of a wide colour gamut displays is particularly visible when combined with a 10-bit panel, since potential colour banding or visible grayscale steps are eliminated.

3D LOOK UP TABLES

The integrated 3D LUT with colour emulation preset within the PA series can be used to transform the colour space of the monitor to emulate that of the printer, or other colour workflow device. The 3D LUT is a three dimensional table that maps colours into a different colour space. The Colour Processing Engine in the NEC MultiSync® PA Series monitors allows complex colour gamuts such as those of colour printers to be emulated on the monitor directly. This allows print previews to be performed with applications that do not support this feature directly. The MultiProfiler application can easily load ICC Profiles into the 3D Look Up Tables.

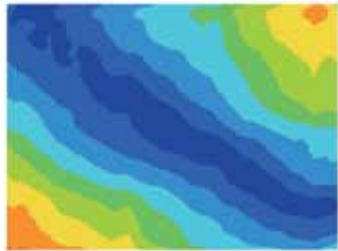
3D 'Look Up Tables' are ideal for any Colour Users who require the best Colour Replication and Previewing across alternate ICC Profiles



CONSISTENT IMAGE | CONSISTENT OUTPUT



ADVANCED TECHNOLOGY
On -Board Digital Uniformity Control



BEFORE IMAGE UNIFORMITY CONTROL

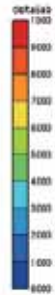
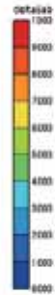


IMAGE UNIFORMITY CONTROL

For many professional applications, a homogeneous distribution of brightness and colour across the entire image area is an essential basis for decision making. A fine matrix together with high-precision sensor electronics measure, at factory, individual irregularities in brightness, colour and gamma values for each individual display. Digital Uniformity Compensation (ColorComp) determines variations and optimises millions of pixels to ensure a uniform image with regard to brightness distribution and colour re-production. At the same time, various parameters such as temperature, operating time and even the alignment of the monitor are taken into account.



IMAGE UNIFORMITY CONTROL ON



BACKLIGHT AGEING CORRECTION

The Backlight Ageing Correction function is an additional feature to assure stable colour reproduction and luminance during the warm-up phase, as well as over the lifetime of the product. An internal electronic back light compensation system assesses the luminance of the back light, corrects and stabilises it during its warm-up phase. Additionally as the backlight ages the white point temperature shifts to yellow, which can be periodically compensated through an ageing estimate to appropriately modify the RGB filter gains.

DICOM Preset Means that PA Displays meet the critical demands of Healthcare Monitors. PACS Referral Displays that conform to the DICOM Part 14 standard, maximise the number of grey tones that can be viewed on the display, providing a consistently high level of image quality across all DICOM Displays. This aids the speed and accuracy of medical review and re-calibration can ensure on-going life time conformance.



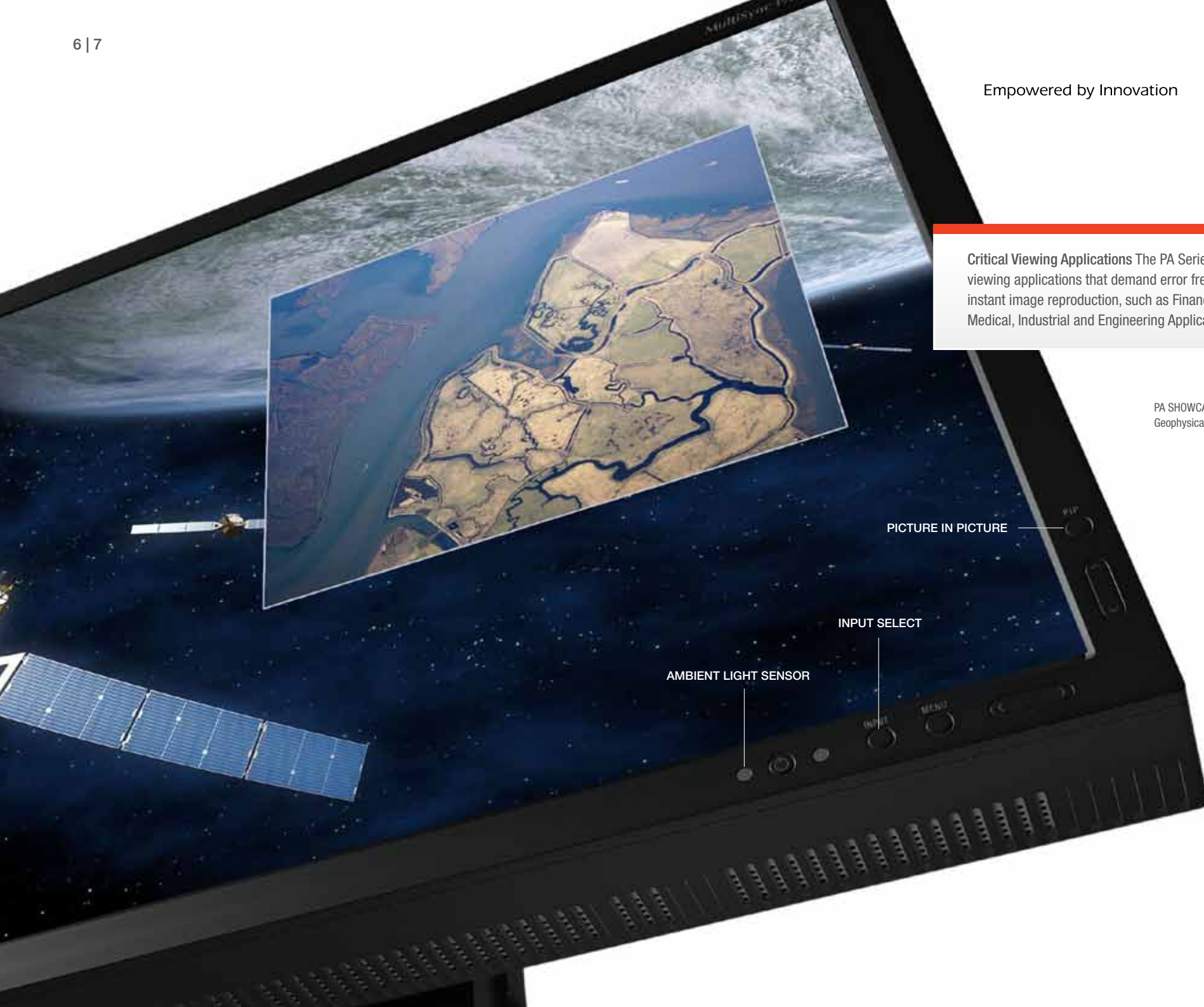
Critical Viewing Applications The PA Series is ideal for any viewing applications that demand error free, clear to view, instant image reproduction, such as Financial, Geophysical, Medical, Industrial and Engineering Applications.

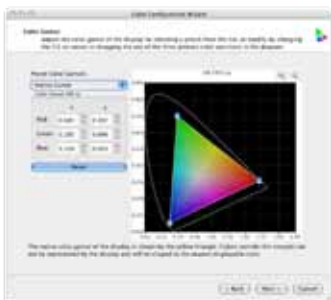
PA SHOWCASING EADS Satellite Image
Geophysical Research Copyright EADS

PICTURE IN PICTURE

INPUT SELECT

AMBIENT LIGHT SENSOR

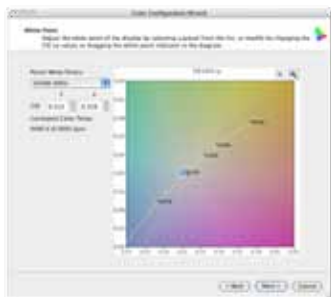




SCREEN 1
Colour Gamut
Definition



SCREEN 2
Tool Control



SCREEN 3
Colour Temperature
Settings

NEC MULTI-PROFILER SOFTWARE

FINE TUNING IMAGE ADJUSTMENT

MultiProfiler is designed as a software companion to the NEC MultiSync® PA Series monitors. It provides complete control via USB or DDC/CI over the powerful and sophisticated technology in these models in an easy-to-use desktop-based application.

NEC MultiSync® PA Series monitors feature a custom-designed colour processor called the Colour Processing Engine. This sophisticated processor, combined with internal luminance, temperature and time monitoring of the monitor, and individual characterisation and calibration of each unit during production, results in an unparalleled level of colour control, accuracy and stability.

The wide colour gamut and high-contrast LCD panel used on the monitor, coupled with the Colour Processing Engine, provide the utmost in versatility; from the ability to emulate colour spaces such as AdobeRGB and sRGB, to performing printer output emulations using ICC Profiles and internal 3D Look Up Tables.

MultiProfiler provides a simple, intuitive Wizard-based interface so functions and activities can be easily performed.

NEC MultiProfiler allows you to print to hard copy with total confidence of your results, whatever Colour Profiles you are working with.



Picture Mode preset configuration: Multiple colour modes can be quickly configured and selected, such as the simplicity of the built-in sRGB, Adobe RGB, DCI, DICOM, REC-BT709 and High Brightness modes, or easily loading a device ICC profile for colour matching a printer or even another monitor. Additionally custom Picture Mode configurations can include modified gamma characteristics, colour gamut, white point, and brightness.

The picture of the secondary window in the picture-in-picture can be configured by MultiProfiler to display a different colour space, allowing functions like simultaneous viewing of printer emulations, or even human colour vision deficiencies.

The integrated USB hub can also be managed through MultiProfiler to function as a Keyboard / Video / Mouse (KVM) switch. This DisplaySync Pro feature allows the mapping of the two USB upstream ports to the various monitor inputs, which is useful for managing multiple computers attached to the unit.



COLOUR WORKFLOW MANAGEMENT

CONSISTENCY WHATEVER THE SOURCE

The PA Series lends itself powerfully to a variety of situations in which a colour workflow is required to ensure consistent colour representation from source, through to processing, editing and the final hard copy result. The industry standard ICC (Internal Colour Consortium) profile can be assigned to a variety of devices (e.g. digital camera, video camera, printer, digital cinema projector) to define the colour properties so that colour information can be consistently defined and communicated through the workflow.

The 3D LUT Colour Emulation feature of the MultiSync® PA Series can take the ICC profile of any device, e.g. printer, and through uploading via the MultiProfilers software application, define the monitor gamut to that specific ICC profile. Some typical workflow examples, making use of the programmable 3D LUT include:

A web designer working with the sRGB colour gamut can set the PA monitor to display only the sRGB colour gamut, and therefore have full confidence what the internet users will see.

A television video editor can define the PA monitor, via the 3D LUT, to show only REC-BT.709 (the standard governing HDTV) so that image material will be edited and displayed only in the gamut of a HDTV television set. This ensures that the final result, as seen on a TV set, will not have any colour surprises.

A digital photographer can upload the ICC profile of their printer into the 3D LUT, so that the monitor only displays those CMYK colours which can be physically printed. At the same time paper standards, such as eciRGB_v2 can be emulated. This avoids unnecessary printing costs, and assists getting the right result first time.

MANAGEABLE ICC PROFILES



sRGB



Adobe RGB



DCI (Digital Cinema)



CMYK (Printer)



Other Monitors

NEC MULTIPROFILER



Loads the appropriate ICC Profile into the 3D LUT.

ACCURATE COLOUR DISPLAY



Resulting in accurate colours shown in the colour space intended by the application.

IMPROVING PRODUCTIVITY | ENHANCING CREATIVITY

MULTI-PICTURE OPTIONS

The powerful Picture-in-Picture or Picture-by-Picture feature of the MultiSync® PA Series allows two different platforms or images to be simultaneously viewed, with a single mouse and keyboard being switched between active operating systems (DisplaySync Pro). Financial traders will save time by enjoying instant access to multiple information feeds in the same display workspace, whilst many colour managed workflow applications will appreciate the time saving through automatic and real-time conversion of colours consistent with ICC profiles or colour gamut emulation.

A PA Series monitor can be used in a colour managed workflow, with the monitor being setup to use its full (native) colour gamut. This will provide the maximum possible colour gamut and not be artificially limited by using a set colour space such as AdobeRGB or sRGB. The colour management within the applications being used will automatically convert colours as necessary by using the ICC/ColorSync profile created by MultiProfiler.

A Sound Investment All Creative Workers are judged against their results, an investment in the very best viewing equipment is investing in yourself and ensuring your work is viewed in its best light every time



Make a simultaneous comparison between colour profiles for accurate virtual analysis of various RGB or CMYK outputs



Screen division options include picture in or by picture





PA271W SHOWCASING Perei Limited
Perei have used the NEC MultiSync
PA271W as part of their design, analysis
and rendering activities.

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Empowered by Innovation **NEC**

ENHANCED WORKFLOW

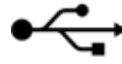
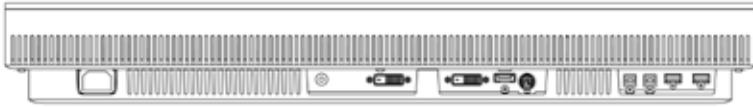
The PA split screen workflow is ideal for many applications including industrial rendering, where different stages of the rendering process can be viewed simultaneously and fine adjustments can be made in advance of any tooling cost.



For print publishing, two picture modes can be created, one for normal viewing, and one for a print emulation preview. The two modes can be simply toggled using MultiProfiler or using the monitor's OSD controls.

Each of the picture modes have an assigned colour gamut, brightness setting and white point temperature. For instance a photographer can take photographs under D50 conditions, and view the results in a raw format. However, a second picture mode, visible in real-time with the Picture-in-Picture mode can show the same image with a reduced sRGB colour gamut, and with alternative D65 white points and brightness setting for web design. Alternatively the second picture mode can be configured to show the same photograph when printed out on standard ISOCoated_V2 or eciRGB_v2 offset printing data as CMYK image.

ERROR FREE VIEWING



ADVANCED CONNECTIVITY

ADVANCED CONNECTIVITY

Experience time saving and reduced hardware requirements through easy multi-platform support (Windows, Mac, Linux) and input following USB hub (DisplaySync Pro) all on one display.

DISPLAYPORT

The DisplayPort connector is compact and features an in-built locking mechanism, which can be disengaged with a simple button press, giving you hassle-free installation. Longer cable lengths and 10-bit colour support ensure that you enjoy greater installation flexibility as well as an enhanced viewing experience with future-proof peace of mind.

MULTI-PLATFORM

You will have less desk clutter and easier multi-platform working with the integrated USB hub (2 up; 3 down) for attaching USB peripherals such as mouse and keyboard. The 2 upstream USB ports can be assigned to different video inputs. This is most advantageous when feeding the Picture-in-Picture feature with two independent video signals from different platforms (Windows, Mac, Linux etc.), since a single mouse and keyboard can be used to drive both platforms. The thin bezel design and compact form factor ensure a clean desktop look.

FUTURE READY CONNECTIVITY

Including all the Connectivity for today and tomorrow means a safe investment and peace of mind for the future

NEXT GENERATION ERGONOMICS

VISUAL COMFORT ERGONOMICS

Especially in the world of publishing and media, professionals cannot afford to make mistakes. An inappropriate or inconsistent choice of colours can negatively impact a brand identity. The MultiSync® PA Series offers a range of features to guarantee outstanding image quality and levels of ergonomic comfort which allow for accurate, fatigue-free working to minimise human error.

Lighting conditions vary during the course of a working day. The NEC MultiSync® PA Series includes the AmbiBright feature, which is kind on the eye and saves energy from the moment you switch on. An in-built ambient light sensor measures the lighting conditions and can if required automatically adjust brightness to changes in either daylight or artificial lighting. Tired or over-strained eyes are a thing of the past with the NEC MultiSync® PA Series.

PHYSICAL MOTION ERGONOMICS

Our monitors are designed for the people who work with them, and for their environment. If you spend the whole day working in front of a monitor, every ill-fitting millimetre will make itself felt. That is why our displays have ErgoDesign® with height-adjustment up to 150 mm, swivel through +/-45° degrees and easy adjustment to different tilt angles. Many small details

make up a large ergonomic package. Design means more than just looking good. The NEC MultiSync® PA Series is conceived to combine elegance with maximum functionality in daily use by professionals.

The monitor stand Quick-Release mechanism is extremely easy to use and saves precious installation time with large roll-outs. To attach the monitor to a monitor arm or wall bracket, the stand can quickly and easily be removed without any tools. Smart details for professional use.

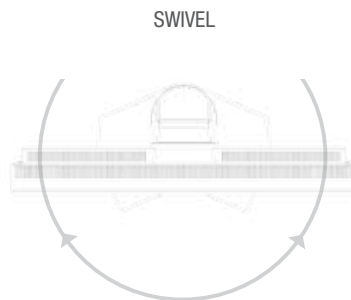
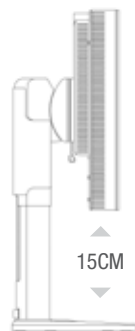
SUPERIOR IMAGE SUPERIOR WORKING SET UP

Optimising user comfort during examinations creates a proactive, satisfying and therefore more productive working environment

10 Bit P-IPS Image for Smoother and Wider Angle Viewing

15cm Height Adjust and Quick Release Head

Tilt, Swivel and Rotate Functionality



ROTATE



AN NEC GREEN VISION DISPLAY

A BILLION COLOURS AND ALL OF THEM GREEN

The PA Series product concept has been engineered from the start to be consistent with NEC's long term environmental commitments. Clearly articulated in its award winning Green Vision campaign, NEC is combining its leading edge technology and passion for innovation, with all efforts to minimise life-cycle environmental impact, while at the same time as continuing to meet the most demanding customer expectations. The Green Vision campaign is based on the two pillars of Green Productivity and Green Sustainability.

Green Productivity is NEC's commitment to more efficiency with less consumption and is based on the use of reliable, leading edge technology. On the one hand, this guarantees an exceptionally long service life with subsequent life-cycle cost-effectiveness of the equipment. The PA Series come equipped with many eco-features as standard. These include an Ambient Light Sensor, which measures ambient light levels and automatically adjusts the screen brightness. An easy to adopt Eco Mode gives the user the option of operating the equipment with reduced power consumption at a single touch of a button. A Carbon Savings Meter calculates and totals the quantity of CO2 saved by operating the desktop display. At the same time the PA Series is variously compliant with the demanding environmental standards such as TCO 5.0, TCO 03, EPEAT and Energy Star 5.0.

Green Sustainability is NEC's commitment to responsible innovation and production and involves materials management as well as packaging and transport. The PA Series use bio-plastics, along with recycled metal and plastic, are being used, and enjoys reduced packaging sizes and weights through its innovative IF Design awarded cabinet design.



Green Vision PA Displays are environmentally conscious without the common performance compromise, which can be associated with Displays promoted as Eco Friendly.



SPECIFICATIONS

DISPLAY	Panel Technology Screen size Aspect ratio Pixel Pitch Brightness (typical) Contrast (typical) Viewing Angle Response Time (typical) Colours Colour Gamuts (Size comparison, typ.)
SYNCHRONIZATION RANGE	Horizontal Analog; Digital Vertical
RESOLUTION	Native Supported
INPUTS	Digital Analog
POWER CONSUMPTION	Typical Eco Mode ON Power Savings Mode Power Supply
ENVIRONMENTAL	Operating Temperature Operating Humidity Storage Temperature Storage Humidity
ERGONOMICS	Height adjustable Stand Screen Tilt Screen Swivel Screen Rotate
BEZEL WIDTH	Bezel Width
DIMENSIONS	W x H x D
WEIGHT	With stand (net) Without stand (net)
COLOUR VERSIONS	Bezel/ Cabinet Colour Combinations
OTHERS	Cable Management Slot for Kensington Lock VESA Mounting Plug & Play Audio Option: Adjust functions:
	Shipping Content
SAFETY AND ERGONOMICS	Safety and Ergonomics
WARRANTY	Warranty

MULTISYNC® PA231W

IPS TFT 23.0 inch / 58.4 cm 16:9 0.265 mm 270 cd/m2 1000:1 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) 8ms (grey-to-grey), 14ms (8 white / black; 6 black / white) 16.77 Million (8-bit per colour) 75% coverage AdobeRGB
31.5 - 83 kHz 50.0 - 85.0 Hz
1920 x 1080 at 60 Hz 1920 x 1080p; 1280 x 1024; 1280 x 960; 1280 x 720p; 1200 x 1920; 1152 x 870; 1152 x 864; 1024 x 768; 832 x 624; 800 x 600; 720 x 576p; 720 x 480p; 720 x 400; 640 x 480p; 640 x 480
1 x Display Port, 2 x DVI-D 1 x D-sub 15 pin, 1 x USB Hub
46 W (max.) Mode 1: 40 W Mode 2: 37W 1 W 100-240 V; 0.79 A/0.33 A; integrated power supply
+5 to +35° C 30 to 80 % -10° to +60°C +10% to +85%
150 mm (Landscape mode) -5 to +30° -45 to +45° 0 to 90° (landscape to portrait mode)
16.2 mm
With stand (net) 543.6 x 337.4 - 487.4 x 227.6 mm (landscape mode) Without stand (net) 543.6 x 322.4 x 74.0 mm
10.2 kg 7.0 kg
Silver Front Bezel, Light Grey Back Cabinet (Order Code 60002927) Black Front Bezel, Black Back Cabinet (Order Code 60002928)
Yes Yes 200 x 100 (5 points); 100 x 100 (4 points) VESA DDC/CI; EDID Standard; VESA DDC2B MultiSync® Soundbar 90 Advanced NTAA (Advanced Non-Touch-Auto-Adjustment); Advanced User Menu; Auto Adjust; Black Level; Brightness and Colour Temperature Control; Contrast; Expansion Mode; Fine Adjust (analog); Hotkeys; Intelligent Power Management; Language Select; Monitor Information; OmniColor™: sRGB and 6-axis-colour-control; On-Screen-Display (OSD) lock-out; PIP; Sharpness; USB; Backlight Ageing Correction; DUC Monitor; Power Cable; Signal Cable DVI-D - DVI-D; Signal Cable VGA - VGA; DisplayPort Cable; CD-ROM; Sales Office List; User Manual CE; TCO 5.0; ERP; TÜV Ergonomics; TÜV GS; C-tick; FCC Class B; PCT/Gost; Gost; UL/C-UL or CSA; CCC; ISO 9241-307 (pixel failure class I); MPR II; MPR III; PCBC/B-mark; PSB; RoHS, Energy Star 5.0
3 years warranty incl. backlight plus optional 5 year extension

MULTISYNC® PA241W

P-IPS TFT 24.1 inch / 61.1 cm 16:10 0.270 mm 360 cd/m2 1000:1 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) 8ms (grey-to-grey), 16ms (8 white / black; 8 black / white) 1.073 Billion (10-bit per colour) 107% size; 98% coverage AdobeRGB
31.5 - 93.8 and 118.4 kHz; 31.5 - 91.1 and 118.4 kHz 50.0 - 85.0 Hz
1920 x 1200 at 60 Hz 1920 x 1080p, 1280 x 720p, 1024 x 768, 720 x 480p, 1600 x 1200, 1200 x 1920, 832 x 624, 720 x 400, 1280 x 1024, 1152 x 870, 800 x 600, 640 x 480, 1280 x 960, 1152 x 864, 720 x 576p, 640 x 480p
1 x Display Port, 2 x DVI-D 1 x D-sub 15 pin, 1 x USB Hub
95 W (max.) Mode 1: 59 W Mode 2: 45 W 1 W 100-240 V; 1.38 A/0.56 A; integrated power supply
+5 to +35° C 30 to 80 % -10° to +60°C +10% to +85%
150 mm (Landscape mode) -5 to +30° -45 to +45° 0 to 90° (landscape to portrait mode)
18.2 mm
With stand (net) 556.8 x 378 - 528 x 227.6 mm (landscape mode) Without stand (net) 556.8 x 362.4 x 85.0 mm
10.6 kg 7.4 kg
Silver Front Bezel, Light Grey Back Cabinet (Order Code 60002696) Black Front Bezel, Black Back Cabinet (Order Code 60002697)
Yes Yes 200 x 100 (5 points); 100 x 100 (4 points) VESA DDC/CI; EDID Standard; VESA DDC2B MultiSync® Soundbar 90 Advanced NTAA (Advanced Non-Touch-Auto-Adjustment); Advanced User Menu; Auto Adjust; Black Level; Brightness and Colour Temperature Control; Contrast; Expansion Mode; Fine Adjust (analog); Hotkeys; Intelligent Power Management; Language Select; Monitor Information; OmniColor™: sRGB and 6-axis-colour-control; On-Screen-Display (OSD) lock-out; Sharpness; USB; Backlight Ageing Correction; DUC Monitor; Power Cable; Signal Cable DVI-D - DVI-D; Signal Cable VGA - VGA; DisplayPort Cable; CD-ROM; Sales Office List; User Manual CE; TCO 5.0; TÜV Ergonomics; TÜV GS; C-tick; FCC Class B; PCT/Gost; UL/C-UL or CSA; CCC; ISO 9241-307 (pixel failure class I); MPR II/ MPR III; PCBC/B-mark; PSB; RoHS
3 years warranty incl. backlight plus optional 5 year extension

MULTISYNC® PA271W

P-IPS TFT 27 inch / 68.5 cm 16:9 0.233 mm 300 cd/m2 1000:1 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) 7ms (grey-to-grey), 12ms (7 white / black; 5 black / white) 1.073 Billion (10-bit per colour) 107% size; 97% coverage AdobeRGB
No Analogue; 31.5 - 93.9 kHz 50.0 - 87.0 Hz
2560 x 1440 at 60 Hz 1920 x 1200, 1280 x 960, 1024 x 768, 720 x 480p, 1920 x 1080p, 1280 x 720p, 832 x 624, 720 x 400, 1600 x 1200, 1152 x 870, 800 x 600, 640 x 480, 1280 x 1024, 1152 x 864, 720 x 576p
1 x Display Port, 2 x DVI-D 1 x USB Hub
117 W (max.) ON 75 W < 1.4 W 100-240 V; 1.6 A / 0.65 A; integrated power supply
+5 to +35° C 30 to 80 % -10° to +60°C +10% to +85%
150 mm (Landscape mode) -5 to +30° -45 to +45° 0 to 90° (landscape to portrait mode)
20.3 mm
With stand (net) 640.4 x 396.2 x 235.5 mm (landscape mode) Without stand (net) 640.4 x 378.6 x 85.0 mm
13.6 kg 9.6 kg
Black Front Bezel, Black Back Cabinet (Order Code 60002925)
Yes Yes 200 x 100 (5 points); 100 x 100 (4 points) VESA DDC/CI; EDID Standard; VESA DDC2B MultiSync® Soundbar 90 Advanced User Menu; Black Level; Brightness and Colour Temperature Control; Contrast; Expansion Mode; Hotkeys; Intelligent Power Management; Language Select; Monitor Information; OmniColor™: sRGB and 6-axis-colour-control; On-Screen-Display (OSD) lock-out; USB; Backlight Ageing Correction; Digital Uniformity Control
Monitor; Power Cable; Signal Cable DVI-D - DVI-D; DisplayPort Cable; CD-ROM; Sales Office List; User Manual
CE; TCO 03; TÜV Ergonomics; TÜV GS; C-tick; FCC Class B; PCT/Gost; UL/C-UL or CSA; CCC; ISO 9241-307 (pixel failure class I); MPR II/ MPR III; PCBC/B-mark; PSB; RoHS
3 years warranty incl. backlight plus optional 5 year extension

MULTISYNC® PA301W

P-IPS TFT 29.8 inch / 75.6 cm 16:10 0.251 mm 350 cd/m2 1000:1 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) 6ms (grey-to-grey), 12ms (6 white / black; 6 black / white) 1.073 Billion (10-bit per colour) 107% size; 98% coverage AdobeRGB
No Analogue; 31.5 - 98.7 kHz 30.0 - 87.0 Hz
2560 x 1600 at 60 Hz 800 x 600; 720 x 400; 832 x 624; 1280 x 960; 2048 x 1536; 640 x 480; 1280 x 1024; 1600 x 1200; 1200 x 1920; 1152 x 870; 1152 x 864; 1024 x 768; 1920 x 1080p; 1280 x 720p; 720 x 576p; 640 x 480p; 720 x 480p
2 x Display Port, 2 x DVI-D
155 W (max.) ON 90 W < - W 100-240 V; 1.9 A / 0.7 A; integrated power supply
+5 to +35° C 30 to 80 % -10° to +60°C +10% to +85%
150 mm (Landscape mode) -5 to +30° -45 to +45° 0 to 90° (landscape to portrait mode)
22.3 mm
With stand (net) 688 x 466 x 302 mm (landscape mode) Without stand (net) 688 x 447 x 125 mm
18.8 kg 12.5 kg
Black Front Bezel, Black Back Cabinet (Order Code 60002926)
Yes Yes 200 x 100 (5 points); 100 x 100 (4 points) VESA DDC/CI; EDID Standard; VESA DDC2B None Advanced User Menu; Black Level; Brightness and Colour Temperature Control; Contrast; Expansion Mode; Hotkeys; Intelligent Power Management; Language Select; Monitor Information; OmniColor™: sRGB and 6-axis-colour-control; On-Screen-Display (OSD) lock-out; USB; Backlight Ageing Correction; Digital Uniformity Control
Monitor; Power Cable; Signal Cable DVI-D - DVI-D; DisplayPort Cable; CD-ROM; Sales Office List; User Manual
CE; TCO 03; TÜV Ergonomics; TÜV GS; C-tick; FCC Class B; PCT/Gost; UL/C-UL or CSA; CCC; ISO 9241-307 (pixel failure class I); MPR II/ MPR III; PCBC/B-mark; PSB; RoHS
3 years warranty incl. backlight plus optional 5 year extension

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