PA SERIES

PROFESSIONAL INSTALLATION PROJECTORS

NEW PA Series Next Generation Professional Installation Projection

The innovative new PA projector series incorporates a new and unique NEC scaler chip for the transmission of up to 4K UHD signals, delivering a Cinema Quality Picture on an affordable installation projector budget.

Truly flexible, images as large as 4K UHD on a multi-screen picture are easy to set up with NEC's built in Edge Blending, built in Signal splitter and HDMI signal link enable super high resolution high quality multi-window projection with considerable savings over conventional setups.

The new PA Series is the world's first projector range offering a 4K interface for multi-screen capability. An ideal projection solution for applications in Higher Education, Retail, Rental and Staging and Leisure and Museums.

PA SERIES ADVANTAGES

Outstanding picture quality in the brightest conditions

Excellent signal processing up to 4K resolution

Multi-screen option for more presentation applications

Future proof with rich connectivity and unique PiP/PoP feature

Reduced total cost of ownership via long lamp life and lowest standby power consumption

Flexible installation through optional lenses and portrait mode support

Delivers the perfect image in meetings, conferences, lecture halls and museum applications

PA SERIES BEST IMAGE FEATURE SET

Trusted Performance

With over thirty years leadership in the displays market and the manufacturer of more display solutions than any other brand, NEC is well established for both innovation and for providing trusted solutions for the world's most critical industries such as Transportation, Finance, Medical, Retail and Media.
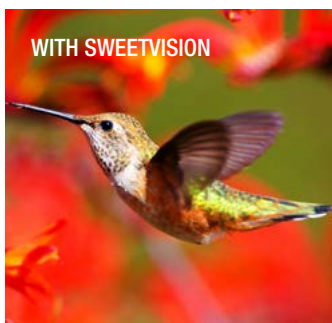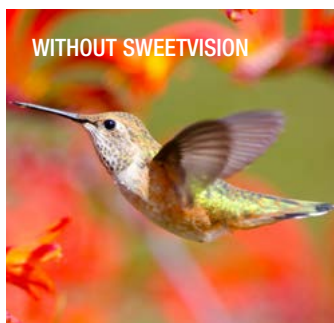

Improved Image Quality

NEC has added some intelligent image improvement technology that analyses the picture, so the brilliant, consistent quality image of up to 4K resolution is automatically enhanced to an unprecedented level.

NEW SCALER CHIP AND SWEETVISION

Signal support up to 4K, and a unique NEC scaler chip enable optimum picture quality by special colour processing and unique contrast enhancement (SweetVision). Good images become 'Great' and office documents are distinctly more readable:

The unique NEC NV1301 Scaler Chip accomplishes a digital cinema quality picture (CQP) while the NEC patented Sweetvision® enhances the contrast.

WITHOUT SWEETVISION

WITH SWEETVISION

6 AXIS COLOUR ADJUSTMENT

SATURATION
Adjustment is possible via 6 adjustment scalers

NP26LP
With adjustable lamp power

LAMP POWER ADJUSTMENT

Lamp power is easy to adjust and adapt. When several projectors are used together, often one can be older with less brightness which can be distracting in multi-projector set-ups. With advanced lamp adjustment, the brightness of all images can be adjusted to match.

Multi-Source Solutions

DAISY CHAINING

Several projectors can be combined to create a 4K picture with convenient HDMI daisy chaining and internal Edge Blending, a high resolution picture can be created without any external devices. Signal daisy chaining makes set-up easier and requires no additional signal splitter, distributor or graphics processor thus helping to save costs.

MULTIPLE PICTURE OPTIONS

PiP or PoP windows can be freely placed within a single display or on a large 'Edge Blended' area without any external signal switcher. Pictures from several devices can be displayed on one large screen for an easy solution.

Multiple Projector Solutions

CREATE LARGER IMAGES WITH EDGE BLENDING

Create a seamless single high-resolution image simply by blending multiple projected images.

TILING

Up to 16 PA projectors can be combined to deliver one perfect super-sized image with NEC Tiling. In this case only an external distributor would be required.

CREATE BRIGHTER IMAGES WITH STACKING

Stacking allows the projector to boost image brightness by up to 20,000 lumens, which is ideal for larger-sized screens and environments with heavy ambient light. This feature also ensures that an image is always displayed should a failure occur in one of the projectors.
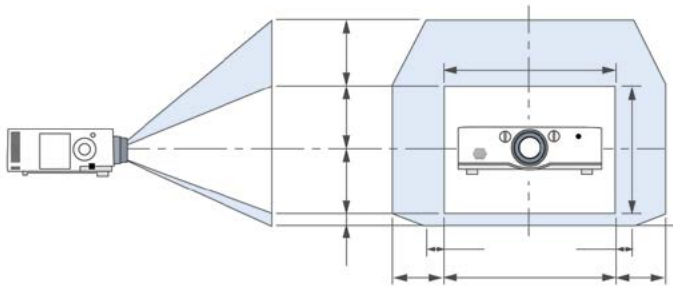

UP TO 4X BRIGHTNESS

Hassle-Free Installation

FLEXIBLE LENS SHIFT

An enviable lens shift range allows a wide range of horizontal and vertical adjustment meaning that the projector can normally be placed on the same mount as a previously installed projector saving time and cost. In addition, there is normally no need for reprogramming as the projector can read control signals from most leading projector manufacturers.

GEOMETRIC CORRECTION

Projection onto many non-standard surfaces such as spheres, cylinders and corner angles is easily achieved, saving on additional setup costs.

SPHERICAL SURFACE OR CORNERS

HORIZONTAL ROUND SHAPES
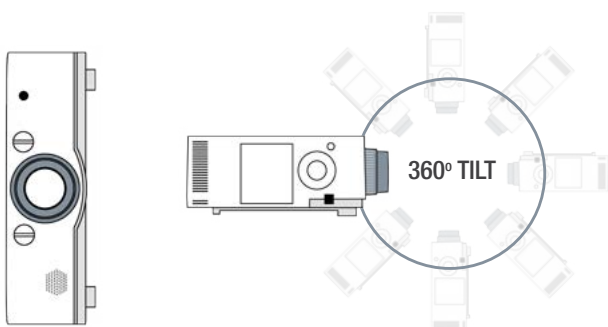
VERTICAL ROUND SHAPES

WIDE SELECTION OF LENSES

Enjoy greater choice with a complete line-up of optional bayonet lenses for a quick and easy exchange.

PA LENSES	NP11FL	NP30ZL	NP12ZL	NP13ZL	NP14ZL	NP15ZL
Throw Ratio	0.8:1 (on axis)	0.79 - 1.04:1	1.19 - 1.56:1	1.50 - 3.02:1	2.97 - 4.97:1	4.70 - 7.02:1

PORTRAIT MODE AND 360 DEGREE TILT

The PA Series projectors can be rotated freely up or down through a 360° cycle creating the opportunity for impressive installations. The airflow management is adjusted as movement to the internal gyro sensor are detected and there is no need to install a specialist 'portrait' lens. Portrait mode is ideal for Retail and Leisure and Museums.
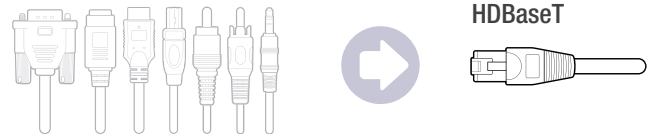
360° TILT

Future Ready Connectivity

COMPREHENSIVE RANGE OF CONNECTORS

The PA Series boast all the latest connectors including LAN connectivity, 2 x HDMI in, 1 x HDMI out, DisplayPort and a host of traditional connectors. A 3D Sync output supports HD 3D signal. Easy way for bright high quality 3D presentation by using only one projector and active 3D shutter glasses.

BUILT-IN HDBaseT SUPPORT (Depending on model)

Simplify your installation with HDBaseT. Create uncompressed Full HD digital video, audio and various control signals with only a single network cable (up to 100 metres).

HDBaseT

LOWER TOTAL COST OF OWNERSHIP

The New PA Series helps to save money by:

Allowing installation to most existing mounts without extra service costs through flexible lens shift and control signal compatibility.

Long lamp operating hours and product lifecycle.

Stacking and Edge Blending functionality allow high quality brighter or larger images without the need to invest in more powerful or expensive projectors. When not required your projectors can be returned to their conventional use and with PIP or POP, one projector can do the job of two or more projectors.

Lower power ECO and standby modes, together with additional power saving features, help to make the PA Series both ecological and economical in operation.

ECO INNOVATION   ECO SAFETY

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PA SERIES

PROFESSIONAL INSTALLATION PROJECTORS

MODEL VARIATIONS	PA621U	PA671W	PA522U	PA622U	PA572W	PA672W	PA722X
Order Code	60003661	60003660	60003640	60003444	60003641	60003445	60003446
Display	3 x 1.93 cm (0.76") LCD Panel with MLA						3 x 2 cm (0.79") LCD Panel with MLA
Native Resolution	1920 x 1200 (WUXGA)	1280 x 800 (WXGA)	1920 x 1200 (WUXGA)	1920 x 1200 (WUXGA)	1280 x 800 (WXGA)	1280 x 800 (WXGA)	1024 x 768 (XGA)
Brightness [ANSI Lumens]	6200	6700	5200	6200	5700	6700	7200
Contrast Ratio (DB™ = with DynamicBlack™)	6000:1	6000:1	6000:1	6000:1	5000:1	6000:1	6000:1
Projection Factor	Projection Factor depending on lens selection (std. option NP13ZL at 1.5-3.02:1)						
Lamp Life Normal / ECO (hours)	3000/4000						
DisplayPort	1						
HDMI Input	2						
HDMI Output	1						
HDBaseT Interface	No	No	Yes	Yes	Yes	Yes	Yes
Wireless LAN Option	11b/g/n	11b/g/n	No	No	No	No	No
USB PPT / PDF Viewer	Yes	Yes	No	No	No	No	No
Multi Media Functions	1	2	2	1	2	2	2
Power Consumption Normal Mode [W]	460						
Power Consumption Eco-Mode [W]	362						
Power Consumption Normal Stand-by Mode [W]	0.16						
Dimensions without lens and feet (W x H x D) [mm]	499 x 142 x 359						
Weight [kg]	8.4						
Speakers [W]	1 x 10						
Projector: 3 years pan-European Premium Service	●	●	●	●	●	●	●
Projector: up to 5 years optional warranty	●	●	●	●	●	●	●
Lamp: 6 Months, max. 1000 Hrs	●	●	●	●	●	●	●

NaViSet 2
FREE Download of Multi-Display Management Software

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Empowered by Innovation

NEC