

PA522U

Professional Installation Projector

Datasheet



Delivering many unique features, NEC's new PA Series is the world's first projector range to offer a 4K interface for multi-screen display capability. Outstanding picture quality is guaranteed with NEC's 3rd generation Sweetvision[®], high brightness levels and NEC's unique scaler chip.

The new PA522U offers rich connectivity with a wide range of inputs and unrivalled installation capability making it **ideal for corporates, higher education, museums and signage applications in large rooms and auditoriums.**

Benefits

Easy installation – selection of wide zoom bayonet lenses, wide vertical and horizontal lens shift and control code emulation guarantees hassle-free installation and replacement of old installation projectors.

Easy way to a big picture – up to 4K interface, HDMI-out signal loop through, built-in signal splitter and edge blending capability enables large presentation pictures without any external devices. PiP function allows additional sources to be displayed.

Cost Saving Device Management – save effort whilst administrating all connected NEC devices from a centralised location by using the NaViSet Administrator 2 software tool.

Very low cost of ownership – long lamp life of up to 4000 hours, inorganic long life panels, maintenance free filters and standby power of just 0.15W.

Widest application support – portrait mode projection, 360 degree free tilt installation, unique geometric adjustment and 3D support offers unrivalled installation capability.

Rich connectivity – including HDBaseT, the world's first HDMI-out interface, 2xHDMI and DisplayPort technology guarantees outstanding connectivity.

Outstanding Picture Quality – whole new visualisation experience with high brightness, up to 4K input signal and unique picture & colour processing technology based on the latest NEC scaler chip.

Product Information

Product Name	PA522U
Product Group	Professional Installation Projector
Order Code	60003640

Image

Projection Technology	3LCD Technology
Native Resolution	1920 x 1200 (WUXGA)
Contrast Ratio ¹	5000:1
Brightness ¹	5200 ANSI Lumen (approx. 80% in Eco Mode), with std. optional lense
Lamp	330 W UHP AC (264 W UHP AC Eco Mode)
Lamp Life [hrs]	3000 (4000 Eco Mode, 2000 Portrait Mode)
Lens	6 optional bayonet lenses
Projection Factor	depending on lens selection (std. option NP13ZL at 1.5-3.02:1)
Projection Distance [m]	0.7 (NP11FL) - 76.4 (NP15ZL)
Screen Size (diagonal) [cm] / [inch]	Maximum: 1,270 / 500"; Minimum: 76 / 30"
Zoom	Manual (x2 with optional lens NP13ZL)
Focus Adjustment	Manual
Supported Resolutions	4096 x 2160 (4k); 2560 x 1600 (WQXGA); 2048 x 1080 (2k); 1920x1200 (WUXGA) - 640x480 (VGA); 1080i/50/60; 1080p/24/25/30/50/60; 720p/60; 720p/50; 576i/50; 576p/50; 480p/60; 480i/50
Frequency	Horizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 24-120 Hz

Connectivity

RGB (analog)	Input: 1 x 5BNC, shared with Component Signal (YPbPr); 1 x Mini D-sub 15-pin, compatible to component (YPbPr)
Digital	Input: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI™ supporting HDCP Output: 1 x HDMI
Video	Input: 1 x BNC R Share
S-Video	Input: 1 x BNC G/B Share
Audio	Input: 1 x DisplayPort Audio support; 1 x HDBaseT audio support; 2 x 3.5 mm Stereo Mini Jack for Computer analog; 2 x HDMI audio support Output: 1 x 3.5 mm Stereo Mini Jack (variable)
Control	Input: 1 x D-Sub 9 pin (RS-232), Ethernet
USB	1 x Type A (USB 2.0 high speed)
3D Sync	Output: 1 x Mini DIN 3pin
Video Signals	NTSC; NTSC 4.43; PAL; PAL-M; PAL-N; PAL60; SECAM

Remote Control

Input:	1 x 3.5 mm Stereo Mini Jack
Remote Control	3D Setup; Aspect Ratio; Audio Control; Auto Adjust; DisplayPort; Eco Mode Control; Edge-Blending; Freeze-function; Geometric Correction; HDMI; Help-function; Magnify-function; Multiscreen; Page (up, down); PBP/POP Function; Picture Adjust; Picture Mute; PIP Function; Power (On-OFF); Select (up, down, left, right); Source Select; Test Picture

Electrical

Power Supply	100-240 V AC; 50 - 60 Hz
Power Consumption [W]	460 (Normal) / 362 (Eco) / 7.9 (HDBaseT Stand-by) / 0.16 (Stand-by); Sleep Mode (Lamp off): 16

Mechanical

Dimensions (W x H x D) [mm]	499 x 142 x 359 (without lens and feet)
Weight [kg]	8.4
Fan Noise [dB (A)]	33 / 39 (Eco / Normal)

Ergonomics

Safety and Ergonomics	CE; ErP; RoHS; TUEV Type Approved
Speakers [W]	1 x 10 (mono)

Additional Features

Special Characteristics	4K Interface; AMX Beacon; Built-in Display/Multiscreen Splitter; Cinema Quality Picture (CQP) Processing for best image quality; Crestron RoomView; DICOM Simulation; Digital 3D Reform™; Direct Power-Off Function; Edge Blending Function (Build In); Free Tilt; Full 3D HDMI Support; Geometric Correction; HDBaseT; Keystone Correction (H=±40°, V=±40°); LAN; Lens Shift (vertical +0.5 max/-0.1 max, horizontal ± 0.3 max.); Manual Wall Color Correction; Multi-Screen compensation mode; NaViSet Administrator 2; Optional User Logo; OSD with 27 languages; Password Security System; PIP/Side by Side, HDMI - Input; PJ LINK; Portrait Setting; RS-232 Control; Stacking Function; Timer-Function; Virtual Remote for direct PC control
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Green Features

Energy Efficiency	Intelligent Power Management; Less than 0.16W Stand-By power
Ecological Materials	100% recyclable packaging; Downloadable manuals; Unique NEC NeCycle Bio-Plastic cable cover option
Ecological Standards	ErP compliant

Warranty

Projectors	3 years pan-European service
Light Source	6 months, max. 1000 hrs

Shipping Content

Shipping Contents	IR Remote Control (RD - 466E); Network Set-up Guide; Power Cord; Projector; Quick Setup Guide; Users Manual on CD-ROM
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Optional Accessories

Optional Accessories	Cable Cover (NP04CV); Lamp (NP26LP)
Lenses	NP11FL (0.8:1); NP12ZL (1.19-1.56:1); NP13ZL (1.5-3.02:1); NP14ZL (2.97-4.79:1); NP15ZL (4.7-7.2:1); NP30ZL (0.79-1.03:1)

¹ Compliance with ISO21118-2012



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