

# NEC P451W

Order Code: 60003449

NEC P451W Semi Professional Projector

Perfect for mid to large meeting rooms as well as classrooms in higher education where semi-professional high brightness performance is required, the P451W is a very bright and compact wide format projector is recommended for screen sizes of up to 140". Thanks to the compact design, large optical zoom of 1.7x, vertical lens shift and vertical and horizontal keystone correction, flexible integration into any room is a reality, saving unnecessary installation costs.

Customers that need advanced connectivity benefit from remote control and monitoring over wired and wireless (optional) network, also content transmission including audio is supported. An optional adapter for Intel® WiDi even allows high quality video and audio transmission in excellent quality. A large number of input options allow you to connect all types of digital and analogue input signals.



NEC Factory Preset  
**DICOM**  
SIMULATION



**HDMI**  
HIGH DEFINITION MULTIMEDIA INTERFACE



## OUTSTANDING PERFORMANCE

- **High brightness of 4500 ANSI lumen** enables you to project on larger screen sizes for a bigger audience. Still having a compact form factor allows you to integrate the projector into the room without making it too obtrusive.
- **A large optical zoom factor** of 1.7 allows maximum flexibility in positioning the projector and makes replacement of ceiling mounted projector easier.
- **Vertical lens shift** provides more more flexibility to position the projector in vertical direction, i.e. above or below the screen bottom or top.
- **In-built keystone correction** allows to correct an image distortion caused by attempting to project an image onto a surface at an angle, as with a projector not quite centered onto the screen it is projecting on.

## DELIVERING GENUINE BENEFITS

**Affordable Large Screen projection** - ideal for larger corporate or education venues and auditoriums.

**Full Connectivity and Media Playback** - stay up to date with today's playback demands with a wide range of interfaces and assured playback of all major media formats.

**Professional and Flexible Installation** - versatile projection characteristics allow for simple positioning of the projector, making installation easy and potentially saving set up costs.

**Free DisplayNote Presenter Licence** - present, share, collaborate with multiple participants across multiple devices (available until March 2014). Visit [www.displaynote-nec.com](http://www.displaynote-nec.com).



## SPECIAL CHARACTERISTICS

Auto Eco Mode, Auto Power ON/OFF, Carbon Savings Meter, Contrast Ratio 4000:1 with Iris, Control ID Function, DICOM Simulation, Direct Power-Off Function, FREE DisplayNote Presenter, Geometric correction by software, Help Function, HTTP Browser Control, Kensington security slot, Keypad Lock, Lens Cover, Magnify, Manual Wall Color Correction, Mouse Control with USB Display, Off-Timer, Optional User Logo, OSD with 27 languages, Password Security System, Pincushion Correction, Plug&Play W-LAN Option, Quick Start, Remote Desktop, Source Select with Beep Function, Test Pattern, Timer-Function, Unique Power Saving Functions, USB Display including Audio, USB Viewer, Virtual Remote for direct PC control, Windows 7 Network Projector, Windows Media Connect Function, Windows Network Drive



**Energy Efficiency** Auto ECO Mode; Green one touch ECO and AV mute button; 75% AV mute function

**Ecological Materials** Downloadable manuals; ECO packaging

**Ecological Standards** RoHs compliant; ErP compliant

### Technical Specification NEC P451W

| IMAGE                       |   |
|-----------------------------|---|
| Display                     | 3 x 1.5 cm (0.59") LCD Panel with SMLA  |
| Native Resolution           | 1280 x 800 (WXGA)   |
| Contrast Ratio <sup>1</sup> | 4000:1  |
| Brightness <sup>1</sup>     | 4500 High Bright / 3600 Normal / 2700 Eco ANSI Lumens   |
| Lamp                        | 270 W UHP AC  |
| Lamp Life [hrs]             | 6000 Eco / 4000 Normal / 3500 High Bright Mode  |
| Lens                        | F= 1.7-2, f= 17.4-29 mm   |
| Lens shift                  | Vertical lens shift 0 - 0.6   |
| Keystone correction         | manual H/V +/-30°   |
| Projection Factor           | 1.3 - 2.2 : 1   |
| Projection Distance [m]     | 0.7 - 14.6  |
| Screen Size (diagonal) [cm] | Minimum: 64 / 0°; Maximum: 762 / 300°   |
| Zoom                        | 1 - 1.7; Manual   |
| Focus Adjustment            | Manual  |
| Supported Resolutions       | Up to 1920 x 1200 (WUXGA)   |
| Frequency                   | Horizontal: 15-100 kHz (RGB: 24 kHz); Vertical: 50 - 120 Hz   |
| CONNECTIVITY                |   |
| RGB (analog)                | Input: 1 x Mini D-sub 15 pin<br>Output: 1 x Mini D-sub 15 pin   |
| HDMI™                       | Input: 2 x HDMI™ (Deep Color, Lip sync) with HDCP   |
| Video                       | Input: 1 x RCA  |
| S-Video                     | Input: 1 x Mini DIN 4-pin   |
| Audio                       | Input: 1 x 3.5 mm Stereo Mini Jack; 1 x 3.5 mm Stereo Mini Jack for Computer analog; 2 x HDMI audio; 1 x RCA Stereo for Video and S-Video<br>Output: 1 x 3.5 mm Stereo Mini Jack (variable)   |
| PC Control                  | Input: 1 x D-Sub 9 pin (RS-232) (male)  |
| LAN                         | 1 x RJ45  |
| USB                         | 1 x Type B; 2 x Type A (USB 2.0 high speed)   |
| Video Signals               | PAL; PAL60; NTSC 3.58; SECAM; NTSC 4.43; PAL-N; PAL-M   |
| REMOTE CONTROL              |   |
| Remote Control              | Aspect Ratio; Audio Control; Auto Adjust; Eco Mode Control; Freeze-function; Help-function; ID set; Keystone Correction; Magnify-function; Page (up, down); Picture Adjust; Picture Mute; Power (On-OFF); Presentation and Mouse Control; Select (up, down, left, right); Source Select |
| ELECTRICAL                  |   |
| Power Supply                | 100-240 V AC; 50 - 60 Hz  |
| Power Consumption [W]       | 357 (High Bright) / 292 (Normal) / 248 (Eco) / 10 (Stand-by) / 2.8 (Network Stand-by) / 0.4 (Power Savings Mode)  |
| MECHANICAL                  |   |
| Dimensions (W x H x D) [mm] | 398 x 115 x 282 (without lens and feet)   |
| Weight [kg]                 | 4.1   |
| Fan Noise [dB (A)]          | 30 / 37 (Eco / Normal)  |
| OPTIONAL ACCESSORIES        |   |
| Optional Accessories        | Adapter for Intel® WiDi (NP01WR); Cable Cover (NP03CV); Free Wireless Image Utility App; Lamp (NP23LP); Universal Ceiling Mounts (NP01/02/03/04/05UCM); Wireless LAN module NP02LM2 (Europe), NP02LM3 (Russia)  |
| ERGONOMICS                  |   |
| Safety and Ergonomics       | CE; ErP; TÜV GS; RoHS   |
| Speakers [W]                | 1 x 16 (mono)   |
| WARRANTY                    |   |
| Projectors                  | 3 years pan-European service  |
| Lamp                        | 6 months, max. 1000 hrs   |
| SHIPPING CONTENT            |   |
| Shipping Contents           | Projector; IR Remote Control (RD-448E); Mini D-SUB Signal Cable (1.8 m); Power Cord (1.8 m); Utility software; Security Sticker; Users Manual; Quick Setup Guide  |
| GREEN FEATURES (DATASHEET)  |   |
| Energy Efficiency           | 0.4W Power save mode  |

<sup>1</sup> Compliance with ISO21118-2005