Datasheet

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. A large number of input options allow you to connect all types of digital and analogue input signals.

Benefits

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

Full Connectivity and Media Playback – stay up to date with todays 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.

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

Product Information

Product Name	P451W
Product Group	Professional Projector
Order Code	60003449

Image

Projection Technology	3LCD Technology
Native Resolution	1280 x 800 (WXGA)
Contrast Ratio [1]	4000:1
Brightness [1]	4500 High Bright / 3600 Normal / 2700 Eco ANSI Lumen
Lamp	270 W UHP AC
Lamp Life [hrs]	6000 Eco / 4000 Normal / 3500 High Bright Mode
Lens	F= 1.7–2.2, 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] / [inch]	Maximum: 762 / 300"; Minimum: 64 / 25"
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 Output: 1 x Mini D-sub 15 pin
Digital	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; 1 x RCA Stereo for Video and S-Video; 2 x HDMI audio Output: 1 x 3.5 mm Stereo Mini Jack (variable)
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	NTSC 3.58; NTSC 4.43; PAL; PAL-M; PAL-N; PAL60; SECAM

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) / 231 (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)

Ergonomics

Safety and Ergonomics	CE; ErP; RoHS; TüV GS
Speakers [W]	1 x 16 (mono)

Additional Features

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; Geometric correction by software; Help Function; HTTP Browser Control; Kensington security slot; Keypad Lock; Lens Cover; Lens Shift, vertical +60 %; Magnify; Manual Wall Color Correction; Mouse Control with USB Display; NaViSet Administrator 2; 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

Green Features

Energy Efficiency	0.4W Power save mode; 40% AV mute function; Auto ECO Mode; Green one touch ECO and AV mute button
Ecological Materials	Downloadable manuals; ECO packaging
Ecological Standards	ErP compliant; RoHs compliant

Warranty

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

Shipping Content

Shipping Contents	IR Remote Control (RD-448E); Mini D-SUB Signal Cable (1.8 m); Power Cord (1.8 m); Projector; Quick Setup Guide; Security Sticker; Users Manual; Utility software

Optional Accessories

Optional Accessories	Cable Cover (NP03CV); Free Wireless Image Utility App; Lamp (NP23LP); Universal Ceiling Mounts (NP01/02/03/04/05UCM); Wireless LAN module (EU: NP06LM; MEA: NP02LM2; Russia: NP02LM3)

[1] Compliance with ISO21118-2012