

NEC PV710UL  
Laser Projector

## Datasheet



### **Cost-effective LCD-based laser projector with interchangeable lenses**

A highly economical projection solution, the PV710UL offers essential installation flexibility, low maintenance and long-life laser performance, yet remains impressively cost-efficient and conveniently compact.

3LCD technology generates brilliantly vivid colour, which, at 7100 Lm brightness, promotes an outstanding visual perception. A broad range of interchangeable lens options are available, alongside essential professional features.

The PV710UL offers the ideal upgrade path to transition to long-life, maintenance-free laser light source technology. Using the same mount and lenses as the lamp-based NEC PA Series projectors, operators can gain additional cost savings by utilising existing assets. For visualisation in large spaces, the PV710UL offers outstanding value for higher education, corporate, leisure and hospitality sectors.

## **Benefits**

**No lamp replacement** - up to 20,000 h maintenance free operation possible due to Laser Light Source.

**Get Great Performance** - while not compromising on quality and ease of use.

**Low Noise Level** - with 30dB\*, the silent technology will not disturb your meeting.

**Impress with vivid colour & contrast** - brilliant white and wide colour space with high dynamic contrast.

## Product Information

|               |                            |
|---------------|----------------------------|
| Product Name  | NEC PV710UL                |
| Product Group | Laser Projector            |
| Order Code    | 60005575 (W), 60005845 (B) |

## Image

|                                      |  |
|--------------------------------------|--|
| Projection Technology                | 3LCD Technology  |
| Native Resolution                    | 1920 x 1200 (WUXGA)  |
| Aspect Ratio                         | 16:10  |
| Contrast Ratio <sup>1</sup>          | 3000000:1  |
| Brightness <sup>1</sup>              | 7100 Lm Normal / 7400 Lm Center / 6400 Lm Silent Mode  |
| Lamp                                 | Laser Light Source   |
| Light Source Life [hrs]              | 20000 <sup>2</sup>   |
| Lens                                 | 5 manual lens options; 5 motorized lens options  |
| Lense Adjustment                     | Motorized and manual (depending on lens)   |
| Lens shift                           | H:±20, V:+10,-50   |
| Keystone correction                  | +/- 30° manual horizontal / +/- 30° manual vertical  |
| Projection Factor                    | depending on lens selection (std. option NP13ZL at 1.46-2.95:1)  |
| Projection Distance [m]              | 0.7 - 50.9   |
| Screen Size (diagonal) [cm] / [inch] | Maximum: 1,270 / 500"; Minimum: 101.6 / 40"  |
| Zoom                                 | Motorized and manual (depending on lens)   |
| Focus Adjustment                     | Motorized and manual (depending on lens)   |
| Supported Resolutions                | 1080i/50/60; 1280 x 768 (60); 3840 x 2160 (23.8/ 576p/50;<br>1080p/50/60; 1920 x 1200 (60); 24/25/29.97/30); 720p/60<br>480p/60; |
| Frequency                            | Horizontal: analog: 0-0 kHz, digital: 15/24-100 kHz; Vertical: 50 - 120 Hz   |

## Connectivity

|         |  |
|---------|--|
| Digital | Input: 1 x HDBaseT; 2 x HDMI™ supporting HDCP 1.4  |
| Audio   | Input: 1 x HDBaseT audio support; 2 x HDMI audio support<br>Output: 1 x 3.5 mm Stereo Mini Jack (variable) |
| Control | Input: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), Ethernet                      |
| LAN     | 1 x RJ45   |
| USB     | 1 x Type A (USB 2.0 high speed)  |

## Remote Control

|                |  |
|----------------|--|
| Input:         | 1 x 3.5 mm Stereo Mini Jack  |
| Remote Control | Audio Control; Digital Zoom; Geometric Correction; HDMI; ID Select; ID set; Keystone Correction; Picture Adjust; Picture Mute; Power (On-OFF); Select (up, down, left, right); Shutter function; Source Select; Test Picture; Wired / Wireless Connection; Zoom/Focus and Lens Shift Control |

## Electrical

|                       |  |
|-----------------------|--|
| Power Supply          | 100-240 V AC; 50 - 60 Hz   |
| Power Consumption [W] | 434.0 Normal / 394.0 Silent Mode / 2.0 Network Stand-by / 0.5 Stand-by |

## Mechanical

|                             |   |
|-----------------------------|---|
| Dimensions (W x H x D) [mm] | 407 x 499 x 164 (without lens and feet) |
| Weight [kg]                 | 11.2                                    |

Fan Noise [dB (A)] 40 / 31 (Normal / Silent)

Colour Versions Black; White

## Environmental Conditions

Operating Temperature [°C] 0 to 40

Operating Humidity [%] 20 to 80 non-condensing

Storage Temperature [°C] -10 to 50

Storage Humidity [%] 20 to 80 non-condensing

## Ergonomics

Safety and Ergonomics CE; EAC; ErP; RoHS; TUEV Type Approved

## Additional Features

Special Characteristics AMX Beacon; Cinema Quality Picture (CQP) Processing for best image quality; Crestron RoomView; DICOM simulation; Direct Power-Off Function; Free Tilt; HDBaseT; High Altitude Mode; HTTP Browser Control; Keystone Correction (H=±30°, V=±30°); LAN control; Lens Memory; Lens Shift (vertical +0.5 max/-0.1 max, horizontal ± 0.3 max.); Light Source Adjustment; Manual Wall Color Correction; NaViSet Administrator 2; Optional User Logo; OSD with 27 languages; Password Security System; PJ LINK; Portrait Setting; RS-232 Control; Test Pattern; Up to 20,000 hrs Light Source Life

## Green Features

Energy Efficiency ECO scheduler; Intelligent Power Management; Less than 0.3W Stand-By power; Longer Light Source Life; Software scheduling; Timer-Function

Ecological Materials 100% recyclable packaging; Downloadable manuals

Ecological Standards ErP compliant

## Warranty

Projectors 3 years pan-European service

Light Source 3 years or 10000h (whatever comes first)

## Shipping Content

Shipping Contents IR Remote Control (RD-480E); Power Cord; Projector; Quick Setup Guide

## Optional Accessories

Optional Accessories 10 optional bayonet lenses; Air Filter (NP-06FT); Cable Cover (NP10CV, NP10CV-B); Universal Ceiling Mounts (PJ01UCM, PJ02UCMPF)

Lenses - motorized NP40ZL (0.79-1.11:1); NP41ZL (1.3-3.02:1); NP43ZL (2.99-5.93:1); NP44ML (0.32:1); NP50ZL (0.6-0.75:1)

Lenses - manual NP11FL (0.79:1); NP12ZL (1.16-1.52:1); NP13ZL (1.46-2.95:1); NP14ZL (2.9-4.68:1); NP15ZL (4.59-7.02:1)

<sup>1</sup> Compliance with ISO21118-2012

<sup>2</sup> 50% of initial brightness at the end of specified laser life time at 25 degree ambient temperature.



IEC62471-5 Ed1 2015.  
DO NOT LOOK DIRECTLY INTO THE BEAM.

This document is © 2023 Sharp NEC Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 06.03.2023