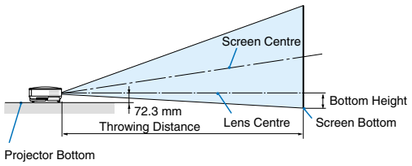
## ■ Specifications

| | | | | NP905 |
|---|---|---|---|---|
| LCD Panel*1 | | | | 0.63 inch (1024x768) LCD with Micro Lens Array (Aspect Ratio 4:3) |
| Lens | Manual Zoom / Focus | | | Zoom ratio 1 to 1.2, Throw ratio 1.5-1.8:1, F1.70-2.07, f=18.9-22.7mm |
| Projection Distance | | | | 0.7m to 11m |
| Projection Angle | | | | 9.9 to 10.3deg (Wide) / 8.3 to 8.6deg (Tele) |
| Lamp (Eco Mode) | | | | 210W (172W) AC |
| Lamp Life*2 (Eco Mode) | | | | 2500H (3500H) |
| Light Output (Eco Mode) | | | | 3000 ANSI lumens (Approx.80% of Normal) |
| Contrast Ratio (White/Black) | | | | 500:1 |
| Quietness (Eco Mode) | | | | 35dB (29dB) |
| Image Size | | | | 21inch to 300inch |
| Maximum Resolution | | | | UXGA 1600 x 1200 (1400 x 1050 @ 60Hz on HDMI) |
| Synchronization Range | Horizontal | | | 15kHz to 108kHz (RGB : 24kHz or over) |
| | Vertical | | | 48Hz to 120Hz |
| Video Bandwidth | | | | RGB : 165MHz (Maximum sampling rate) |
| Colour Reproduction | | | | Full Colour, 16.7Million Colours Simultaneously |
| Input Terminals | 2 Computer / Component Input | 2 D-Sub Mini 15pin | Compatible signals | VGA, SVGA, XGA, SXGA, SXGA+, UXGA |
| | | | RGB (Analog) | 0.7Vp-p/75Ω |
| | | | H/V Sync | 4.0Vp-p/TTL Level |
| | | | Composite Sync | 4.0Vp-p/TTL Level |
| | | | Sync on G | 1.0Vp-p/75Ω(with Sync) Negative Polarity |
| | | 2 Stereo Mini Jack | Stereo L / R | 0.5Vrms/22kΩ or over |
| | 1 HDMI input | 1 HDMI 19pin | Compatible signals | VGA, SVGA, XGA, SXGA(MAX : SXGA/60Hz), SXGA+(up to 60Hz) 480p/720p/1080i/1080p |
| | | | RGB / Component (Digital) | T.M.D.S. Specification, with H.D.C.P. |
| | | | HDMI support audio | Audio format : LPCM<br>Number of channel : 2ch<br>Sampling Frequency : 32/44.1/48KHz<br>Sampling bit : 16/20/24-bit |
| | 1 Video Input | 1 RCA pin | Composite Video | NTSC/NTSC4.43/PAL/PAL-N/PAL-M/PAL-60/SECAM |
| | | | | 1.0Vp-p/75Ω |
| | | 1 RCA pin x 2 | Stereo L (MONO) / R | 0.5Vrms/22kΩ or over |
| | 1 S-Video Input | 1 Mini DIN-4pin | Y | 1.0Vp-p/75Ω |
| | | | C | 0.286Vp-p/75Ω |
| | | 1 RCA pin x 2 | Stereo L (MONO) / R | 0.5Vrms/22kΩ or over |
| Output Terminals | 1 RGB Output | 1 D-Sub Mini 15pin | | Selected Computer 1 or 2 Signal |
| | 1 Audio Output | 1 Stereo Mini Jack | Stereo L / R | Variable Output Level<br>Selected Computer1, Computer2, HDMI(Computer2 input), Video, S-Video Signal |
| Control Terminals | 1 USB Port | Type A | | USB2.0 (for Mouse, Keyboard, Memory / for Wireless LAN unit only) |
| | 1 Wired LAN Port | RJ-45 | | IEEE 802.3/802.3u 10BASE-T/100BASE-TX |
| | 1 Wireless LAN (USB Port) | Type A | | IEEE 802.11b/g (NP01LM1 / NP01LM5) |
| | 1 PC Control | D-sub 9pin | | RS-232C |
| Built-In Speaker | | | | 5W Monaural |
| Keystone Correction | | Horizontal | | Manual Approx. ± Max 40 degrees (Less then XGA resolution, aspect 4:3) |
| | | Vertical | | Auto/Manual Approx. ± Max 30 degrees |
| Environment | | Operational Temperatures | | 5°C to 40°C (Eco Mode selected automatically at 35°C to 40°C), 20% to 80% Humidity (Non-Condensing) |
| | | Storage Temperatures | | -10°C to 50°C, 20% to 80% Humidity (Non-Condensing) |
| Power Requirement | | | | 100 to 240V AC, 50Hz/60Hz |
| Input Current | | | | 3.7-1.5A |
| Power Consumption | | Normal Mode | | 310W |
| | | Eco Mode | | 260W |
| | | Standby Mode | | 18W |
| Regulations | | | | UL/C-UL Approved (UL 60950-1, CSA 60950-1)<br>Meets DOC Canada Class B requirements<br>Meets FCC Class B requirements<br>Meets AS/NZS CISPR.22 Class B<br>Meets EMC Directive (EN55022, EN55024, EN61000-3-2,EN61000-3-3)<br>Meets Low Voltage Directive (EN60950-1, TÜV GS Approved) |
| Dimensions (WxHxD) | | | | 310mm x 125mm x 289mm (Not Including Protrusions) |
| Net Weight | | | | 3.7kg |

*1 : LCD Panel technology consists of fine picture cells with more than 99.99% of the cells being active.
*2 : Lamp life is defined as the average time span for the brightness of the lamp to be reduced by half, it dose not refer to the warranty period for the lamp.
All specifications are subject to change without notice.

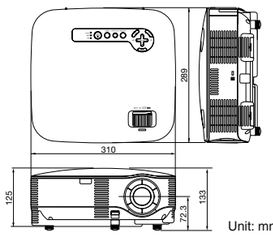
## ■ Throwing Distance and Image Size




| Screen Size (inch) | Throwing distance (m) Wide | Tele | Bottom Height (cm) |
|---|---|---|---|
| 21 | – | 0.73 | 5.0 |
| 25 | 0.72 | 0.87 | 6.0 |
| 30 | 0.87 | 1.05 | 7.0 |
| 40 | 1.17 | 1.41 | 10.0 |
| 60 | 1.77 | 2.13 | 14.0 |
| 80 | 2.37 | 2.85 | 19.0 |
| 100 | 2.97 | 3.57 | 24.0 |
| 120 | 3.57 | 4.29 | 29.0 |
| 150 | 4.47 | 5.37 | 36.0 |
| 180 | 5.37 | 6.45 | 43.0 |
| 200 | 5.97 | 7.17 | 48.0 |
| 240 | 7.17 | 8.61 | 57.0 |
| 300 | 8.97 | 10.77 | 71.0 |

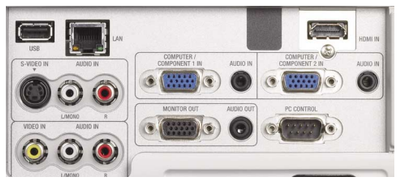
*The values in the tables are design values and may vary.*

## ■ Dimensions




Unit: mm

## ■ Terminal Panel




## ■ Remote Control

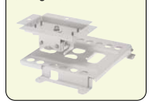
## ■ Soft Case

(basic accessory)

## ■ Options

Replacement lamp NP05LP

Ceiling mount kit NP07CM



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WLPJ-0803-081RR

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## Portable Projector

# NP905

*High brightness, multi function LCD projector with LAN support provides effective, impressive presentations for conferences and educational seminars*

- **Networkable projectors supporting Windows Vista**
- **Cinematic video powered by HQV (Hollywood Quality Video)**
- **The projector supports wired/wireless LAN**
- **Picture-in-Picture and Side-by-Side function for projecting two screens simultaneously**
- **Closed Caption**
- **Direct USB Input - Supporting Video Playback**
- **HDMI terminal is employed**

From Digital Cinema to Mobile Convenience - **NEC Projector is the Best Solution**

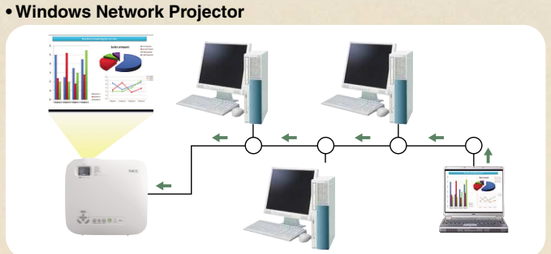
# Portable Projector *NP905*

*XGA* | *3000 ANSI lm* | *3.7kg*

## Network projectors supported under Windows Vista

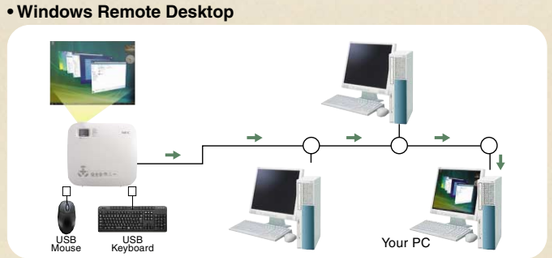
The projectors support the Windows Network Projector function, which is one of the brand-new features introduced with Windows Vista. You can make presentations from your PC via the network without connecting with an RGB cable, if your PC is running Windows Vista. You don't need to install any proprietary software on your PC. Like using a networked printer, you can simply select which projector to use from the list on your PC screen. Furthermore, it is possible to remotely operate a PC installed some distance away from the projector via the network by using Windows Remote Desktop function.

**• Windows Network Projector**



*A PC connected to LAN automatically detects projectors on the network.*

**• Windows Remote Desktop**




*When you connect a USB mouse and keyboard to the projector, you can remotely operate your PC via the network.*

**Use a commercially available USB mouse and USB keyboard (US layout version). We do not warrant that the USB port of the projector will support all USB mouse and USB keyboards in the market.*

## Cinematic video powered by HQV (Hollywood Quality Video)

HD-like, vivid and crisp DVD images can be projected with the Reon VX video processor using HQV technology from Silicon Optix.
HQV represents an enormous leap in video processing, with true flagship performance in noise reduction, de-interlacing and scaling.

- Random and Mosquito Noise Reduction
- Video and Film Cadence Detection (3:2 and 2:2 pull down)
- Per-pixel Motion Adaptive Deinterlacing
- Detail Enhancement
- Full 10-bit processing, scaling and warping

**• 3 : 2 Pull down Detection**

*Not HQV* *HQV*

**• Diagonal Interpolation to remove "jaggies"**

*Not HQV* *HQV*

## The projector supports wired/wireless LAN

By connecting a LAN cable to the LAN port (RJ-45) on the projector or installing the optional wireless LAN unit on the projector, it is possible to transfer screen images from the PC to the projector more quickly (2 to 3 times faster than conventional models from NEC) for on-screen presentation using Image Express Utility 2.0 software (available for Windows Vista/XP/2000). This projector can change presenters with a single operation. The person who wants to speak can send images from the PC to the projector just by clicking the 'Become a Presenter' button. Furthermore, for a presentation in a large conference room, participants can confirm details of the projected images, such as small characters, etc., with their own PCs. A presenter can distribute files or documents used in the presentation through the network. And it is possible to turn the power of the projector on and off and switch input signals from a PC via the network.

Model name of the optional wireless LAN unit varies depending on the country where the unit will be used.

NP01LM1: Thailand, China, Hong Kong, Singapore, South Korea, Malaysia, Vietnam, India, Australia, New Zealand, United Arab Emirates, Saudi Arabia, Oman, Peru, Chile, Russia, Indonesia, South Africa, Turkey, Ukraine, Philippines

NP01LM5: Argentina, Taiwan

For support in North America, Europe, Japan, and the countries listed above, refer to our website (http://www.nec-pj.com).

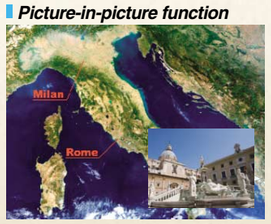
Optional Wireless LAN unit

## Picture-in-Picture and Side-by-Side function for projecting two screens simultaneously

Project two images simultaneously from a single projector. With picture-in-picture, a sub picture can be displayed either at the top-left, the top-right, the bottom-left, or the bottom right in the main picture. (The picture size is fixed.) With the Side-by-side function, display the main picture as fixed on the left side of the screen; it is impossible to exchange content between the main and sub pictures.

* Signals input through the Computer 1 or Computer 2 terminal can be projected as the main picture only. Signals input through the Video or S-Video terminal can be projected as the sub picture only.

***Picture-in-picture function***




***Side-by-side function***

## Closed Caption

If the closed caption signals are included in the video signals or the S-Video signals, the audio data can be displayed on screen as captions.

## Remote Mouse Operation

You can use the supplied wireless remote control and the supplied remote mouse receiver to control your PC from across the room. The supplied remote mouse receiver supports almost any PC with a USB connection.

NP01MR(Option)

## Direct USB Input - Supporting Video Playback

Using the viewer function, project images or motion pictures saved on a USB memory device.

* Compatible file formats are JPEG, BMP, PNG, or GIF.

* Compatible motion picture file formats is MPG (MPEG2) . The video format (compressed playback method) is MPEG2 MP@ML, and the audio format (compressed playback method) is MPEG-1 Layer 1 and 2.

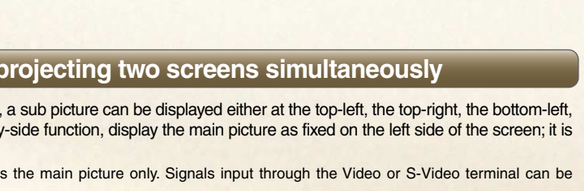
* Some kinds of USB memory devices may not be compatible with the USB port on this projector.

## 3D Reform function

With the 3D Reform function, it is possible to correct trapezoidal distortion manually by clicking the four corners of the projected image with a USB mouse or remote control to project square images.

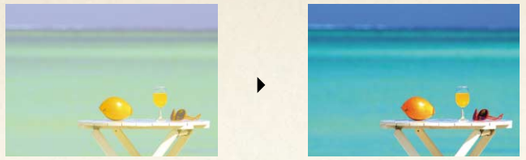
## Auto Vertical Keystone Correction

The projector will automatically detect and correct vertical inclination and trapezoidal distortions. The angle is adjustable vertically within a range of about +/-30 degrees from the projected angle.




## Wall Colour Correction

Colour correction is employed for projecting images on a coloured wall or a blackboard, so that the colour tone of the projected images can be approximated to the tone that is projected on a white screen. The following eight colour options are available: blackboard, blackboard (grey), light yellow, light green, light blue, sky blue, light rose, and pink.



## Geometric Correction tool

Project square images on special-shaped screens, like cylindrical or spherical surfaces, by installing the dedicated tool on a PC and using the geometric correction function.

## The power can be controlled intensively with Auto Start and Direct Power Off

The NP905 starts projecting images automatically when electric power is supplied. Turn off the power source with a switch or a circuit breaker while projecting images or running the fan. With these functions, it is possible to completely control the power of the projector with the power distribution board.

## Multiple input/output terminals

The HDMI terminal and terminals for analog RGB, video, and S-Video are available in the standard configuration. Reproduce more vivid images by using the HDMI terminal to connect the projector to a PC or a digital broadcast tuner. Furthermore, the 5W monaural speaker is built in to provide audiovisual conditions with high image and audio qualities.