

Specifications

			NP3151W
LCD Panel ^{*1}			0.74-inch (1280x800) p-Si TFT active-matrix with MLA (Aspect Ratio 16:10)
Lens	Manual Zoom / Focus		Throw ratio 1.5-2.0:1, F1.7-2.2, F=24.4-32.5mm (Standard Lens)
Projection Distance	Manual Shift ^{*2}		Horizontal : max±0.1H / Vertical : max±0.5V 0.94m to 21.91m (Standard Lens)
Projection Angle			0 to 12.1deg (Wide) / 0 to 9.1deg (Tele)
Lamp (Eco Mode)			330W (264W) AC
Lamp Life ^{*3} (Eco Mode)			2000H (3000H)
Light Output	Normal Mode		4000 ANSI lumens
	Eco Mode		Approx. 80% of Normal
Contrast Ratio (White/Black)			500 : 1
Quietness (Eco Mode)			38dB (31dB)
Image Size (Diagonal)			30inch to 500inch (0.76m to 12.7m) (Standard Lens)
Maximum Resolution			UXGA 1600 x 1200 (1400 x 1050 @ 60Hz on DVI-D)
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 VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA
Input Terminals	3 Computer Input	1 D-Sub Mini 15pin (Computer 1 IN)	Compatible signals RGB (Analog)
		1 BNC x 5 (Computer 2 IN)	H/V Sync Composite Sync
		2 Stereo Mini Jack (Computer 3 IN)	Sync on G Stereo L/R
		1 DVI-D (Computer 3 IN)	RGB (Digital)
		1 Stereo Mini Jack	Stereo L/R
		1 RCA pin x 3	Y
	3 Component Input	1 D-Sub Mini 15pin (Sharing with Computer 1 IN)	Compatible signals
		1 BNC x 5 (Sharing with Computer 2 IN)	480i, 480p, 720p, 1080i/60Hz, 576i, 576p, 1080i/50Hz
		1 RCA pin x 2	DVD Progressive (50/60Hz)
		Audio Input is Sharing with Computer 1 & 2	0.5Vrms/22kΩ or over
			Same with Computer
			NTSC/NTSC4.43/PAL/PAL-N/PAL-M/PAL-60/SECAM
1 Video Input	1 RCA pin	Composite Video	
	1 RCA pin x 2	Stereo L (MONO)/R	
1 S-Video Input	1 Mini DIN-4pin	Y	
	Audio Input is Sharing with Video	C	
Output Terminals	1 Monitor Output	1 D-Sub Mini 15pin	Selected Computer 1*2 or Component Signal
	1 Audio Output	1 Stereo Mini Jack	Stereo L/R Variable Output Level
Control Terminals	1 USB Port	Type A	Selected Computer 1*2*3, Component, Video or S-Video Signal
	1 LAN Port	RJ-45	USB2.0 High Speed 100BASE-TX/10BASE-T
	1 Wireless LAN (USB Port)	Type A	IEEE 802.11b/g (NP01LM1 / NP01LMS)
	1 REMOTE	Stereo Mini Jack	Wired Remote Control RS-232C
1 PC Control	D-sub 9pin		
Built-In Speaker			5W+5W Stereo
Keystone Correction	Horizontal		Manual Approx.± Max 40 degrees (Standard Lens)*4
	Vertical		Manual Approx.± Max 30 degrees (Standard Lens)*4
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			5.9-2.3A
Power Consumption	Normal Mode		490W
	Eco Mode		410W
	Standby Mode		26W
Regulations	For United States / Mexico		UL Approved (UL 60950-1), NOM-001-SCFI-1993, Meets FCC Class B Requirements
	For Canada		C-UL Approved (CSA 60950-1), Meets DOC Canada Class B Requirements
	For Asia/Oceania		IEC60950-1, Meets AS/NZS CISPR 22 Class B
	For Europe		Meets EMC Directive (EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3), Meets Low Voltage Directive (EN60950-1, TÜV GS Approved)
	For Korea		EK(safety : K60950-1, EMC : K00022, K00024, K61000-3-2, K61000-3-3)
	For China		GB4943, GB9254, GB17625.1
Dimensions (WxHxD)			399mm x 150.5mm x 358mm (Not Including Protrusions)
Net Weight			7.3kg

*1 : LCD Panel technology consists of fine picture cells with more than 99.99% of the cells being active.

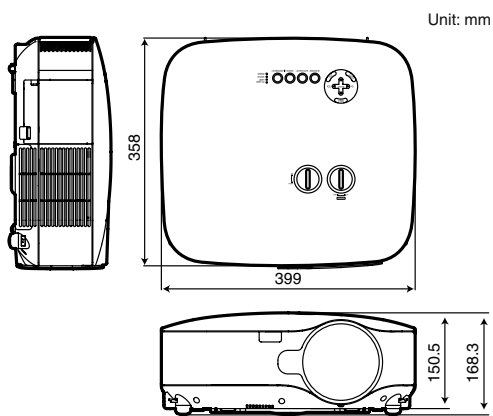
*2 : The Lens Shift function is not available for the NP01FL.

*3 : Lamp life is defined as the average time span for the brightness of the lamp to be reduced by half, it does not refer to the warranty period for the lamp.

*4 : When the lens shift is set to the center. When the lens shift is used and yet the image is not displayed in the center of the screen, the adjustable range will be increased or decreased. Image is projected in Wide (Zoom lever).

All specifications are subject to change without notice.

Dimensions



Options



Terminals



Remote Control



WLPJ-0803-061RR

Empowered by Innovation

NEC

Installation Projector

NP3151W

Networkable projectors supporting Windows Vista
Cinematic video powered by HQV (Hollywood Quality Video)
WXGA LCD panel for wide-format images (1280 x 800)



- High Brightness up to 4000 ANSI Lumens
- Wired/wireless LAN capable
- Picture-in-picture function
- Five optional lenses available for Flexible installation
- Manual lens shift
- Multiple input/output terminals
- A variety of functions can be added by updating the firmware

for more information
www.nec-pj.com

Windows, Windows Vista and Windows XP are trademarks or registered trademarks of Microsoft Corporation.
HQV is a trademark or registered trademark of Silicon Optix Inc.
All other trademarks are the property of their respective owners.
Microsoft product screen shots reprinted with permission from Microsoft Corporation.
The images in this brochure are samples.
This brochure uses recycled paper.

Empowered by Innovation

NEC

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

NP3151W

WXGA
(1280 x 800)

4000 ANSI lm

7.3kg

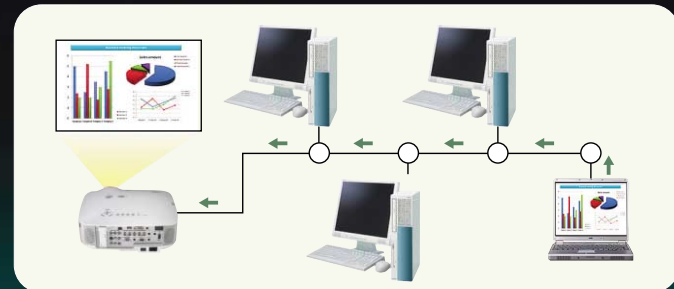


High brightness, high performance projector with the latest technology for vivid image quality

Networkable projectors supporting Windows Vista

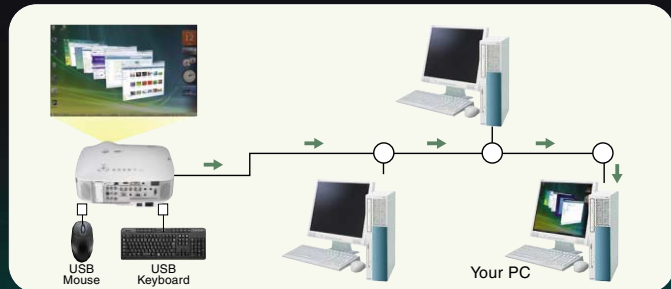
The projectors support "Windows Network Projector" function, which is one of the brand-new features introduced with Windows Vista. You can make presentations from your PC via the network without connecting RGB cable, if your PC is running Windows Vista. You don't need to install any proprietary software application on your PC. Like using a networked printer, you can simply select which projector to use from the list presented 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

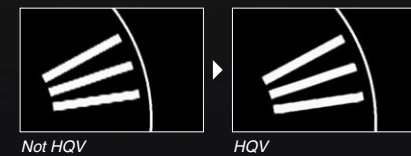
• Full 10-bit processing, scaling and warping



• 3 : 2 Pull down Detection



• Diagonal Interpolation to remove "jaggies"



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 (Windows Vista/XP/2000 are available). This projector can change presenters with a single operation. The person who wants to speak can send images from his/her 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 is used (or to 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>).

Note that the USB port (Type A) and the USB Wireless LAN Unit cannot be used at the same time. When connecting a USB device such as a USB mouse, USB keyboard, or USB memory, first remove the USB Wireless LAN Unit from the projector.

Optional Wireless LAN unit



An image of 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.

Picture-in-picture function

This function projects two different signals simultaneously. The main picture signal supports the COMPUTER 1 and 2 inputs. The sub picture signal supports the VIDEO input only.

Five types of optional lenses available for Flexible installation

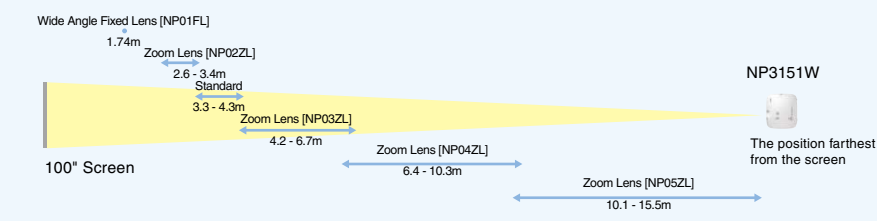
In order to support a variety of installations, five types of lenses are available in addition to the standard lens. The projector supports screens from 30 to 500 inches; select the optimum lens depending on the specific installation environment, such as conference rooms, halls, and exhibitions. For a 100-inch screen, projection is possible at a distance 1.74 m (Wide Angle Fixed Lens) or between 2.6 m to 15.5 m. Lenses are easily replaced by the customer and do not require special tools.

Model	Standard	NP01FL	NP02ZL	NP03ZL	NP04ZL	NP05ZL
Lens type	Zoom Lens	Wide Angle Fixed Lens	Zoom Lens	Zoom Lens	Zoom Lens	Zoom Lens
Option Lens						
Zoom/Focus	Manual	Manual (Focus only)	Manual	Manual	Manual	Manual
Zoom Ratio	1.33	-	1.3	1.58	1.6	1.52
Throw Ratio	1.5-2.0 : 1	0.8 : 1	1.2-1.5 : 1	1.9-3.1 : 1	3.0-4.8 : 1	4.7-7.2 : 1
Screen Size	30-500 inch	40-150 inch	30-500 inch	40-500 inch	60-500 inch	60-500 inch
Brightness*	4000 ANSI lm	3000 ANSI lm	3200 ANSI lm	3300 ANSI lm	3300 ANSI lm	3200 ANSI lm
Lens Shift	Normal Mode	0	Max +0.5V	Max +0.5V	Max +0.5V	Max +0.5V
	Vertical	Max ±0.1H	0	Max ±0.1H	Max ±0.1H	Max ±0.1H
Weight	Horizontal	0	Max ±0.1H	Max ±0.1H	Max ±0.1H	Max ±0.1H
		0.63 kg	1.1 kg	1.1 kg	1.13 kg	0.89 kg

* This is the brightness value when the lamp mode is set to "Normal Mode" and the preset mode is "High brightness mode".
If the lamp mode is switched to "Eco Mode", the brightness will drop to about 80%. If any other mode is selected as the preset mode, brightness may drop slightly.

Projection range of lens (image projected on a 100-inch screen)

Project at a distance 1.74m or between 2.6m to 15.5m (for a 100-inch screen).

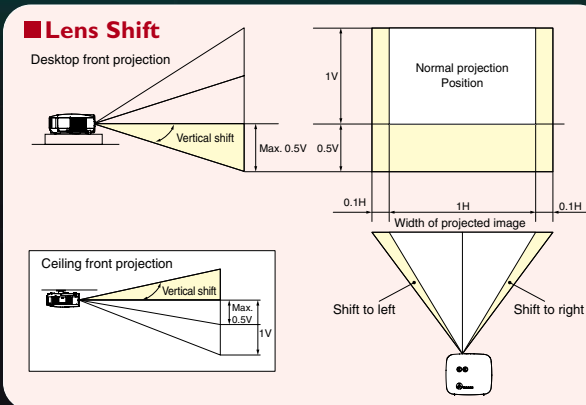


Throwing Distance

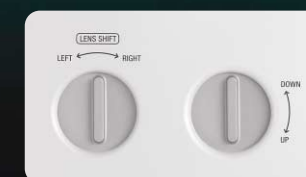
Screen Size (inch)	Throwing Distance (m)					
	Standard	NP01FL	NP02ZL	NP03ZL	NP04ZL	NP05ZL
30"	0.9-1.3	-	0.7-1.0	-	-	-
40"	1.3-1.7	0.68	1.0-1.3	1.6-2.6	-	-
60"	1.9-2.6	1.03	1.5-2.0	2.5-4.0	3.8-6.1	6.0-9.2
80"	2.6-3.5	1.39	2.0-2.7	3.4-5.4	5.1-8.2	8.1-12.4
100"	3.3-4.3	1.74	2.6-3.4	4.2-6.7	6.4-10.3	10.1-15.5
120"	3.9-5.2	2.10	3.1-4.0	5.1-8.1	7.7-12.4	12.2-18.6
150"	4.9-6.5	2.63	3.9-5.0	6.4-10.1	9.7-15.5	15.3-23.3
200"	6.6-8.7	-	5.2-6.8	8.5-13.5	12.9-20.8	20.4-31.2
300"	9.9-13.1	-	7.8-10.1	12.8-20.3	19.5-31.2	30.8-46.8
400"	13.2-17.5	-	10.4-13.5	17.1-27.0	26.0-41.6	41.1-62.5
500"	16.5-21.9	-	13.0-16.9	21.4-33.8	32.5-52.1	51.4-78.2

* Stated projection distances are standard values. For a stack installation, the recommended projection distances will be different.
* The values in the tables are design values and may vary.

Manual lens shift for simple adjustment of projected images on screen and Keystone correction



With the manual lens shift mechanism, the position of projected images on screen can be adjusted in both the vertical and horizontal directions without moving the main unit. Furthermore, Keystone correction corrects distortions in the vertical and horizontal directions up to a maximum +/- 40 degrees in the horizontal direction and a maximum +/- 30 degrees in the vertical direction. Keystone correction can be operated by remote control.



The Lens Shift Dial (Right/Left, Up/Down) on the top side of the projector.

* Shifting the lens to the maximum in two directions combined will cause the edges of the image to become dark or will cause some shadows.

* The Lens Shift function is not available for the NP01FL.

Multiple input/output terminals including DVI (digital), BNC, and built-in stereo speakers

Multiple input/output terminals include analogue RGB, 5-core BNC, DVI (digital), video, and S-video. (The analogue RGB and BNC also support component inputs.) The 5W+5W stereo speakers are built in to provide audiovisual conditions with high image and audio qualities. Furthermore, the Viewer feature allows you to view slides stored on a USB memory on the projector. Even if no computer is available, presentations can be conducted simply with the projector.



* To use the Viewer, first you need to create presentation materials on your PC (JPEG, BMP, GIF, PNG). Use commercially available USB memory devices. We do not warrant that the USB port of the projector will support all USB memory devices in the market.

A variety of functions are implemented.

- AMX
- Program Timer
- PJ Link
- Geometric Correction tool (scheduled for Summer 2008)