■ Specifications

				NP61	NP41
DLP Chip*1				0.55 inch 1 chip DLP 1024 x 768 pixels (Aspect Ratio 4:3)	
Lens	Zoom			Manual Zoom (Zoom Ratio 1 to 1.2)	
	Focus			Auto Focus*2 (Effective Range : 1.5m to 5.5m), Manual Focus F2.2-2.34, f=20.4-24.5mm	
Projection Distance				1.5m to 13.4m	
Projection Angle				14.7 to 15.0deg (Wide) / 12.3 to 12.6deg (Tele)	
Lamp (Eco Mode)				220W (170W) AC	200W (170W) AC
Lamp Life*3 (Eco Mode)				2500H (3500H)	
Light Output (Eco Mode)				3000 ANSI lumens (Approx.75% of Normal)	2300 ANSI lumens (Approx.85% of Normal)
Contrast Ratio (White/Black)				1600:1	
Quietness (Eco Mode)				37dB (32dB)	
Image Size				33inch to 300inch (Image sizes with less than 40inch are available only in tele mode)	
Maximum Resolution				UXGA (1600 x 1200) with scaling technology	
Synchronization Range	Horizontal			15 kHz to 100 kHz (RGB : 24 kHz or over)	
	Vertical			50 Hz to 120 Hz (Signals with higher than refresh rate 85 Hz support resolutions of 1024 x 768 or lower.)	
Colour Reproduction				Full Colour, 16.7Million Colours Simultaneously	
Input Terminals	Computer Input	D-Sub Mini 15pin	Compatible signals	VGA, SVGA, XGA, SXGA, SXGA+, UXGA	
			RGB	0.7Vp-p/75Ω	
			H/V Sync	TTL Level / 1kΩ or over	
			Composite Sync	TTL Level / 1kΩ or over	
			Sync on G	1.0Vp-p/75Ω(with Sync) Negative Polarity	
		Stereo Mini	Stereo L/R	0.5Vrms/22kΩ or over	
	Component Input	D-Sub Mini 15pin (Sharing with Computer)	Y	1.0Vp-p/75Ω(With Sync)	
			Cb · Cr (Pb · Pr)	0.7Vp-p/75Ω	
			Compatible signals	DTV : 480i, 480p, 720p, 1080i (60Hz) / 576i, 576p, 1080i (50Hz) DVD : Progressive (50/60Hz)	
		Audio input is sharing with computer		Same with computer	
	Video Input	RCA pin	Composite signals	NTSC, NTSC4.43, PAL, PAL-60, PAL-N, PAL-M, SECAM	
			Composite Video	1.0Vp-p/75Ω	
		Audio input is sharing with computer		Same with computer	
	S-Video Input	Mini DIN-4pin	Y	1.0Vp-p/75Ω	
			C	0.286Vp-p/75Ω	
		Audio input is sharing with computer		Same with computer	
Control Terminals	PC Control	Mini DIN-8Pin		RS-232C	
Built-In Speaker				0.3W Monaural	
Keystone Correction		Vertical		Auto/Manual Approx.±Max 40 degrees	
Environment		Operational Temperatures		5°C to 40°C (ECO mode selected automatically at 35°C to 40°C / ECO mode selected automatically at 30°C to 40°C when used in HIGH ALTITUDE), 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, 50 Hz/60 Hz*4	
Input Current				3.5-1.4A*5	3.1-1.2A*5
Power Consumption		Normal Mode (Eco Mode / Stand-by [Power saving])		285W (225W / 5W)	265W (225W / 5W)
Regulations		For United States		UL Approved (UL 60950-1) Meets FCC Class B requirements	
		For Canada		UL Approved (CSA 60950-1) Meets DOC Canada Class B requirements	
		For Australia / New Zealand		Meets AS/NZS CISPR.22 Class B	
		For Europe		Meets EMC Directive (EN55022, EN55024, EN61000-3-2, EN61000-3-3) Meets Low Voltage Directive (EN60950-1, TÜV GS Approved)	
Dimensions (WxHxD)				246mm x 72mm x 177mm (Not Including Protrusions)	
Net Weight				1.6kg	

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

*2 : Auto focus functions are accurate within the range of approximately 1.5m to about 5.5m. If the throwing distance is 1.5m, the screen size is 33 inches, while at a distance of 5.5m, the screen size is 149 inches. If the distance from the projector to the screen exceeds 5.5m, the focus must be adjusted manually. Depending on the colour of the screens or other environmental conditions, the operational range may be narrowed or the equipment may not operate properly. If a transparent screen is used, malfunctions may occur. Obstacles between the screen and the projector may cause the focus sensor to malfunction. When the main unit is moved slowly, this function may not activate. If the screen is moved, this function may not activate.

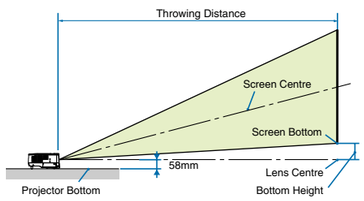
*3 : Lamp life is defined as the average time span for the brightness of the lamp to be reduced by half, it does not refer to the warranty period for the lamp.

*4 : NP61/NP41 : 100 to 240V AC(50Hz/60Hz), NP61G/NP41G : 200 to 240V AC(50Hz/60Hz)

*5 : NP61 : 3.5-1.4A, NP41 : 3.1-1.2A, NP61G : 1.6A, NP41G : 1.5A

All specifications are subject to change without notice.

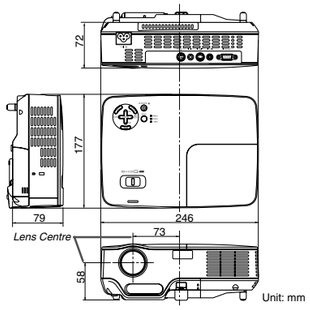
■ Throwing Distance and Image Size



Screen Size (inch)	Throwing Distance Wide(m)	Tele(m)	Bottom Height(cm)
33	–	1.44	7.0
40	1.45	1.76	8.5
60	2.20	2.66	12.7
80	2.94	3.56	16.9
100	3.69	4.46	21.2
120	4.43	5.36	25.4
150	5.55	6.71	31.8
180	6.67	8.06	38.1
200	7.42	8.96	42.4
240	8.91	10.75	50.8
300	11.14	13.45	63.6

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

■ Dimensions



Unit: mm

■ Remote Control

■ Soft Case

(basic accessory)

■ Options

Replacement lamp NP09LP (for NP61)

Replacement lamp NP08LP (for NP41)

Ceiling mount kit NP02CM

■ Terminal Panel

· The projector can be unplugged during its cool down period after it is turned off.
Parts of the projector will become heated during operation. Use caution when picking up the projector immediately after it has been operating.
· Use caution when putting the projector in the soft case immediately after the projector has been operating. The projector cabinet is hot.

WDPJ-0807-101RR

for more information
www.nec-display.com/ap

Empowered by Innovation NEC

Empowered by Innovation NEC

Ultra Portable Projector

NP61/NP41

Auto features to make set up quick and easy.

- High Brightness of 3000 ANSI lumens(NP61)
- Auto Focus Function
- Auto Input Selection
- Auto Vertical Keystone Correction
- Quick Start Up and Cooling Down
- Direct Power Off Function
- New Cooling System
- 1.6kg

PICTURE BY DLP TEXAS INSTRUMENTS

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

Lightweight compact body for easy transport

The body weight has been reduced by introducing magnesium housing and employing a new cooling method combining a fan and a small-sized pump which has been developed by NEC. This projector achieves the weight of 1.6 kg with the high brightness 3000 ANSI lumens*, including a built-in speaker that was not available on the previous model.

*: For NP61. Brightness for NP41 is 2300 ANSI lumens.

With the auto focus function, the projector can be set up easily and quickly.

1.Insert the power cord into the outlet.
2.Set the projector in the proper position.

3.Start projecting images by automatically adjusting the focus and correcting any trapezoidal distortion.

projection starts immediately after inserting the power cord into an outlet.

Auto power on

By inserting the power cord into an outlet, projection will start immediately without pressing the power button. If the initial input selection is set to Auto, simply by turning on the power, the projector automatically judges the input signal and projects the images.

manual focus adjustment is not required

Auto focus

When turning on the power, adjusting the zoom operation, or removing the main unit, the focus sensor measures the distance between the projector and the screen and adjusts the focus of the projected images automatically.

Focus sensor

correcting any trapezoidal distortion in the projected images

Auto Vertical Keystone Correction

If the projector is installed at an angle to project images on a screen, it may result in trapezoidal distortion of the projected images. In this case, the acceleration sensor built into the main unit senses the inclination of the unit in the vertical direction and then corrects for any trapezoidal distortion in the projected images automatically to project square images. (+/- 40 degrees from the projection angle).

Direct power off function makes it possible to put the projector away very quickly

It is possible to turn off the power of the projector by using the power supply tap with a switch during projecting images or after turning off the main power even if the cooling fan is still operating. Since it is not necessary to wait for the cooling fan to stop, the projector can be promptly put away.

A portable, compact body with sufficient brightness for large screen presentations in large conference rooms.

Light and easy-to-use, the projector is a convenient business tool for use anywhere, anytime.

DLP PICTURE BY TEXAS INSTRUMENTS

Actual size
W:246mm x H:177mm

NP61

Capable of projecting on a large screen in a wide venue even with a compact body*

* : Depending on the use environment

- Wall Colour correction adjusts the colour tones when images are projected on a wall.
- The lamp life has been extended by introducing the switchable lamp mode.
- The mouse operation on a PC can be made through the remote controller.
- Security function prevents unauthorized use

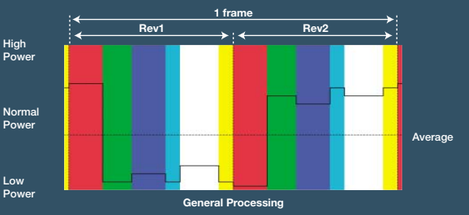
NP61	NP41
3000ANSI lm | XGA | 1.6kg	2300ANSI lm | XGA | 1.6kg

Projecting images with more vivid colours

By employing the colour wheel with six segments (red, green, blue, cyan, white and yellow) and BrilliantColor with superior reproducibility of neutral colours, images of natural scenery can be projected more vividly.
Furthermore, variable colour reproduction according to the purposes of use is available by employing Variable Illumination, a technology varying the lamp intensity being irradiated to the respective segments of the colour wheel. NEC provides a setting that emphasizes the colour yellow.

Colour wheel image drawing

Variable Illumination—lamp intensity image drawing



The above illustrations are for display purposes only and differs from the actual product.

Low noise design

The newly developed small-sized pump suppressing vibration and the low-noise fan have been newly employed in the projector. Furthermore, the number of rotations of the fan can be reduced by employing a new design of the cooling duct optimizing distribution of air flow within the main unit. Thus the projector achieves a drastic reduction in noise, for instance 37 dB in normal mode and 32dB in eco mode.

Employing the built-in monaural speaker

By employing the 0.3W built-in monaural speaker, the projector can provide vivid images as well as sounds at the same time when it is used in a meeting etc.