

## Specifications

		NP61	NP41	
<b>DLP Chip*1</b>		0.55 inch 1 chip DLP 1024 x 768 pixels (Aspect Ratio 4:3)		
<b>Lens</b>		Manual Zoom (Zoom Ratio 1 to 1.2) Auto Focus*2 (Effective Range : 1.5m to 5.5m), Manual Focus F2.2-2.34, f=20.4-24.5mm		
<b>Projection Distance</b>		1.5m to 13.4m		
<b>Projection Angle</b>		14.7 to 15.0deg (Wide) / 12.3 to 12.6deg (Tele)		
<b>Lamp (Eco Mode)</b>		220W (170W) AC		
<b>Lamp Life*3 (Eco Mode)</b>		2500H (3500H)		
<b>Light Output (Eco Mode)</b>		3000 ANSI lumens (Approx.75% of Normal) 2300 ANSI lumens (Approx.85% of Normal)		
<b>Contrast Ratio (White/Black)</b>		1600:1		
<b>Quietness (Eco Mode)</b>		37dB (32dB)		
<b>Image Size</b>		33inch to 300inch (Image sizes with less than 40inch are available only in tele mode)		
<b>Maximum Resolution</b>		UXGA (1600 x 1200) with scaling technology 15 kHz to 100 kHz (RGB : 24 kHz or over)		
<b>Synchronization Range</b>		50 Hz to 120 Hz (Signals with higher than refresh rate 85 Hz support resolutions of 1024 x 768 or lower.)		
<b>Colour Reproduction</b>		Full Colour, 16.7Million Colours Simultaneously VGA, SVGA, XGA, SXGA, SXGA+, UXGA		
<b>Input Terminals</b>	<b>Computer Input</b>	<b>D-Sub Mini 15pin</b>	Compatible signals RGB H/V Sync Composite Sync Sync on G Stereo L/R Y Cb - Cr (Pb - Pr)	
		<b>Stereo Mini</b>	Compatible signals DTV : 480i, 480p, 720p, 1080i (60Hz) / 576i, 576p, 1080i (50Hz) DVD : Progressive (50/60Hz)	
	<b>Component Input</b>	<b>D-Sub Mini 15pin (Sharing with Computer)</b>	Compatible signals Same with computer	
		<b>Audio input is sharing with computer</b>	Same with computer	
	<b>Video Input</b>	<b>RCA pin</b>	Compatible signals NTSC, NTSC4.43, PAL, PAL-60, PAL-N, PAL-M, SECAM	
		<b>Audio input is sharing with computer</b>	Same with computer	
	<b>S-Video Input</b>	<b>Mini DIN-4pin</b>	Y C	
		<b>Audio input is sharing with computer</b>	Same with computer	
	<b>Control Terminals</b>	<b>PC Control</b>	Mini DIN-8Pin	RS-232C
	<b>Built-In Speaker</b>		0.3W Monaural	
<b>Keystone Correction</b>		Vertical Auto/Manual Approx. Max 40 degrees		
<b>Environment</b>		<b>Operational Temperatures</b> 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) <b>Storage Temperatures</b> -10°C to 50°C, 20% to 80% Humidity (Non-condensing)		
<b>Power Requirement</b>		100 to 240V AC, 50 Hz/60 Hz**4		
<b>Input Current</b>		3.5-1.4A*5 3.1-1.2A*5		
<b>Power Consumption</b>		285W (225W / 5W) 265W (225W / 5W)		
<b>Regulations</b>		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, TUV GS Approved)		
<b>Dimensions (WxHxD)</b>		246mm x 72mm x 177mm (Not Including Protrusions)		
<b>Net Weight</b>		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.

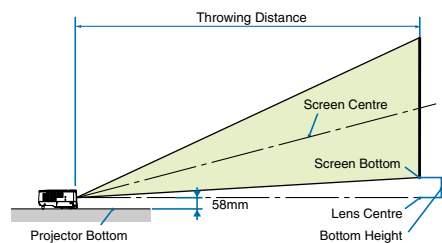
\*3 : Lamp life is defined as the average time span for the brightness of the lamp to be reduced by half, it does not refer to the warranty period for the lamp.

\*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.

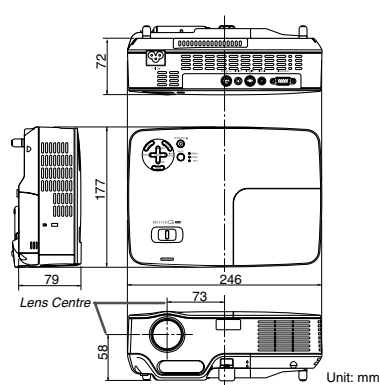
## Throwing Distance and Image Size



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



## 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.

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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



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.



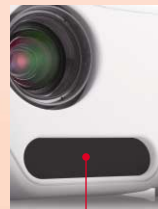
projection starts immediately after inserting the power cord into an outlet.

manual focus adjustment is not required

### 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.

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).



**Actual size**  
W:246mm x H:177mm

## 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.



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

\* : Depending on the use environment



**NP61**

3000ANSI lm | XGA | 1.6kg

**NP41**

2300ANSI lm | XGA | 1.6kg

- 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

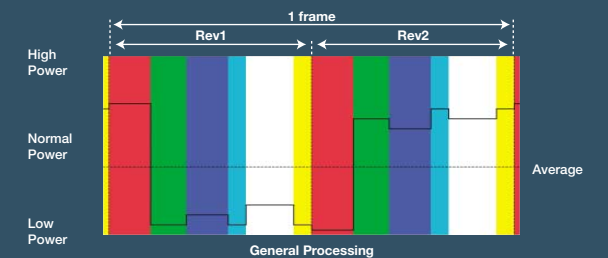
## Projecting images with more vivid colours

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.

**NEC**

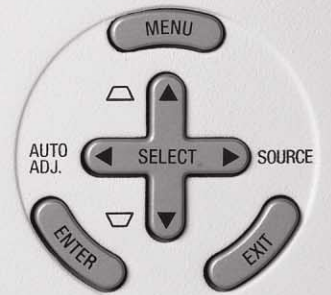
AUTO FOCUS

ZOOM

LAMP ●  
STATUS ●  
POWER ●

FOCUS

ON/STAND BY



NP61