■ Specifications

		NP64	NP63	NP54	NP43
DLP Chip		0.55 inch DLP (Aspect Ratio 4:3)			
Resolution*¹		1024 x 768 pixels			
Lens		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			
Lamp (Eco Mode On / Eco Mode Off)		170W / 220W AC		170W / 200W AC	
Lamp Life*³ (Eco Mode On / Eco Mode Off)		3500H / 2500H			
Image Size (Projection Distance)		33 to 300 inch (1.44m to 13.45m)			
Colour Reproduction		16.7 million colours simultaneously, Full colours			
Light Output*⁴*⁵	Eco Mode Off	3000 ANSI lumens		2600 ANSI lumens	2300 ANSI lumens
	Eco Mode On	Approx.75% of Eco Mode Off		Approx.85% of Eco Mode Off	
Contrast Ratio (White / Black)*⁵		1600:1			
Maximum Resolution		UXGA (1600 x 1200) with scaling technology			
Scan Rate	Horizontal	15kHz to 100kHz (RGB : 24kHz or over)			
	Vertical	50Hz to 120Hz (Signals with higher than refresh rate 85Hz support resolutions of 1024 x 768 or lower.)			
Keystone Correction	Vertical	Auto/Manual Approx.±Max 40 degrees			
Input Terminals	1 Computer Input — 1 D-Sub Mini 15pin	VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA RGB : 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			
	1 Stereo Mini Jack	Stereo L/R 0.5Vrms/22kΩ or over			
	1 Component Input — 1 D-Sub Mini 15pin (Shared with Computer IN)	Y : 1.0Vp-p/75Ω(with Sync) Cb, Cr (Pb, Pr) : 0.7Vp-p/75Ω Compatible signals : 480i, 480p, 720p, 1080i/60Hz, 576i, 576p, 1080i/50Hz DVD Progressive (50/60Hz)			
	Audio Input is Shared with Computer IN	Same as Computer IN			
	1 S-Video Input — 1 Mini DIN-4pin	Y : 1.0Vp-p/75Ω C : 0.286Vp-p/75Ω			
	Audio Input is Shared with Computer IN	Same as Computer IN			
	1 Video Input — 1 RCA pin	Compatible Video : 1.0Vp-p/75Ω Compatible signals : NTSC/NTSC4.43/PAL/PAL-N/PAL-M/PAL-60/SECAM			
	Audio Input is Shared with Computer IN	Same as Computer IN			
USB Port	Type A	USB2.0 (for USB memory)	–	USB2.0 (for USB memory)	–
Wireless communication		Supports Bluetooth® wireless communication technology₂ (Connect optional NP01BA*⁶ adapter to the USB port)	–	Supports Bluetooth® wireless communication technology₂ (Connect optional NP01BA*⁶ adapter to the USB port)	–
Control Terminal	PC Control — 1 Mini DIN-8Pin	RS-232C			
Built-In Speaker		0.3W Monaural			
Quietness (Eco Mode On / Eco Mode Off)		32dB / 37dB			
Environment	Operational Temperatures	5°C to 40°C ([ECO MODE] is set automatically to [ON] at 35°C to 40°C / [ECO MODE] is set automatically to [ON] 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		NP64 : 100 to 240V AC, 50Hz/60Hz	NP63G/NP63+ : 200 to 240V AC, 50Hz/60Hz	NP54G/NP54+ : 200 to 240V AC, 50Hz/60Hz	NP43 : 100 to 240V AC, 50Hz/60Hz NP43G/NP43+ : 200 to 240V AC, 50Hz/60Hz
Input Current		NP64 : 3.2A - 1.4A	NP63G/NP63+ : 1.5A	NP54G/NP54+ : 1.5A	NP43 : 2.8A - 1.2A NP43G/NP43+ : 1.4A
Power Consumption	Eco Mode Off — 100 - 130V	292W	287W	268W	266W
	Eco Mode Off — 200 - 240V	277W	272W	255W	252W
	Eco Mode On — 100 - 130V	223W	221W	224W	221W
	Eco Mode On — 200 - 240V	213W	212W	214W	212W
	Power-saving Mode — 100 - 130V	3.2W			
	Power-saving Mode — 200 - 240V	3.7W			
Heat Dissipation		996BTU (Max)	979BTU (Max)	914BTU (Max)	908BTU (Max)
Dimensions (WxHxD)		246mm x 72mm x 182mm (Not Including Protrusions, with Lens Cover Open)			
Weight		1.7kg			
Accessories		Remote control, Signal cable (MiniD15-MiniD15), Power cable, Soft case, User's manual(CD-ROM), Quick setup guide, Important information			
Regulations	For United States	UL Approved (UL 60950-1), 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 Korea	KC (safety : K60950-1, EMC : K00022, K00024, K61000-3-2)			
	For China	GB4943, GB9254, GB17625.1			
	For Russia	Gost R 60950-1, 51318.22, 51317.3.2./3.3.			

*1 : Effective pixels are more than 99.99%.
*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 dose not refer to the warranty period for the lamp.
*4 : This is the light output value (ANSI lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PRESET] mode, the light output value may drop slightly.
*5 : Compliance with ISO21118-2005
*6 : The Bluetooth® USB adapter (NP01BA) is a dedicated adapter for our projectors. The USB adapter (NP01BA) may not be available in some regions.
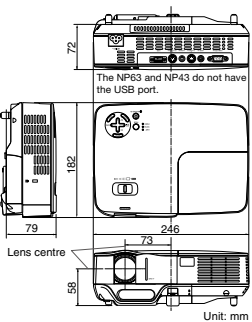All specifications are subject to change without notice.

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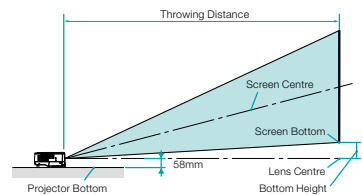
Screen Size (inch)	Throwing distance(m) Wide	Throwing distance(m) Tele	Bottom Height(cm)
33	–	1.44	7.0
40	1.45	1.76	8.5
60	2.20	2.66	12.7
80	2.94	3.56	16.9
100	3.69	4.46	21.2
120	4.43	5.36	25.4
150	5.55	6.71	31.8
180	6.67	8.06	38.1
200	7.42	8.96	42.4
240	8.91	10.75	50.8
300	11.14	13.45	63.6

The values in the tables are design values and vary.

■ Dimensions

The NP63 and NP43 do not have the USB port.

Unit: mm

■ Remote Control

■ Terminal Panel

NP64/NP54

COMPUTER IN VIDEO IN S-VIDEO IN AUDIO IN PC CONTROL USB

NP63/NP43

COMPUTER IN VIDEO IN S-VIDEO IN AUDIO IN PC CONTROL

■ Soft Case
(basic accesary)

■ Options

Replacement lamp NP09LP (for NP64/NP63)
Replacement lamp NP08LP (for NP54/NP43)
Ceiling mount kit NP02CM
Bluetooth® USB adaptor NP01BA (for NP64/NP54)

⚠ · 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-1002-271NN

Empowered by Innovation NEC

Ultra Portable Projector

NP64/NP63/NP54/NP43

Auto features to make set up quick and easy.

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.

Focus sensor

AUTO FOCUS

No!

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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.

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).

A sliding lens cover is employed

The opening and closing of the lens cover is connected to the AV mute function, so when the lens cover is closed during projection, the image and sound are stopped. This is a very useful function when you want to stop the use of the projector during a meeting.

Carbon meter for visualizing ecology

The projector employs the Carbon Meter indicating the reduced amount of CO_2 emissions in Eco Mode. Visually confirm the numerical value indicating the reduction in CO_2 emissions in comparison with Eco Mode Off operation.
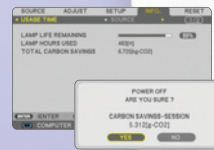
Direct power off function makes it possible to put the projector away very quickly

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

■ 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 control.
■ Security function prevents unauthorized use
■ Low noise design
■ Employing the built-in monaural speaker

NP64 Supports USB memory

| 3000ANSI lm | XGA | 1.7 kg |

NP54 Supports USB memory

| 2600ANSI lm | XGA | 1.7 kg |

NP63

| 3000ANSI lm | XGA | 1.7 kg |

NP43

| 2300ANSI lm | XGA | 1.7 kg |

DLP
TEXAS INSTRUMENTS

Lightweight compact body for easy transport
W:246mm x H:182mm

NP64

LAMP
STATUS
POWER
AUTO ADJ.
FOCUS
ON/STAND BY
MENU
SOURCE
ENTER
EXIT
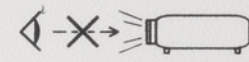
A portable, compact body with sufficient brightness for large screen presentations in large conference rooms.

Light and easy-to-use, the projector is a convenient business tool for use anywhere, anytime.
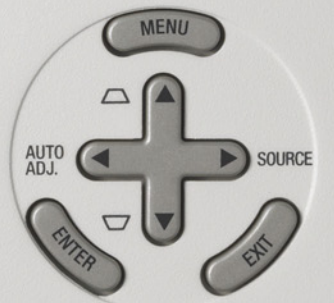
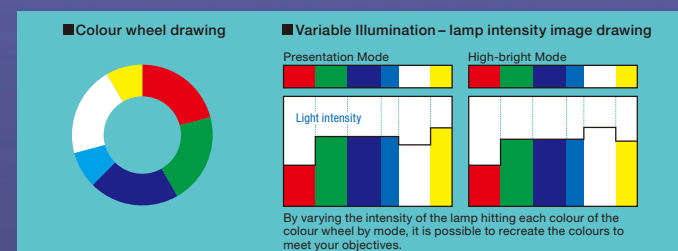## ■ Projecting images with more vivid colours

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 drawing
■ Variable Illumination – lamp intensity image drawing

Presentation Mode High-bright Mode

Light intensity

By varying the intensity of the lamp hitting each colour of the colour wheel by mode, it is possible to recreate the colours to meet your objectives.

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

■ Includes a remote with the control ID registration function, which allows operation of multiple projectors with a single remote.

■ USB Memory Viewer Function is employed (NP64/NP54)

Project image data saved on a USB memory device using the viewer function of the projector. Turn the projected images and change the sequence of display directly with the projector. Since the time for switching thumbnail indications and playing the slideshow automatically can be set in advance, project images flexibly depending on the occasion.*1 Furthermore, by connecting the optional Bluetooth® USB adapter (NP01BA)*2 to the projector, images can be transmitted to the projector from a PC or mobile phone equipped with the Bluetooth® wireless technology.*3

*1: Image formats such as GIF, JPEG, PNG, and BMP can be projected.
*2: The Bluetooth® USB adapter (NP01BA) is a dedicated adapter for our projectors. The USB adapter (NP01BA) may not be available in some regions.
*3: It is impossible to save the received images. Confirm that the device transmitting images supports the profile of the Bluetooth® USB adapter (NP01BA) by referring to the operation manual of the transmission device in advance.

Bluetooth