

Specifications

		NP610G	NP510G	NP410G	NP305G	NP510WG	NP610SG	NP510WSG
LCD Panel		3LCD, 3-chip optical engine / Dichroic mirror separation-prism conver						
Resolution ^{*1}		1024 x 768 pixels		1280 x 800 pixels		1024 x 768 pixels		1280 x 800 pixels
Lens		Manual Zoom / Focus, Zoom ratio 1-1.2, Throw ratio 1.5-1.8:1, F1.7-2.0, f=19.8-23.7mm						
Lamp (Eco Mode / Normal Mode)		170W / 230W AC		145W / 180W AC		170W / 230W AC		
Lamp Life ^{*2} (Eco Mode / Normal Mode)		5000H / 4000H						
Image Size (Projection Distance)		21 to 300 inches (0.7m to 11.3m)						
Colour Reproduction		16.7 million colours simultaneously, Full colour						
Light Output ^{*3,4}		Normal Mode		Eco Mode		Approx.70% of Normal Mode		
Contrast Ratio (White / Black) ^{*4}		500:1		2000:1		500:1		600:1
Maximum Resolution		UXGA (1600 x 1200) with Advanced AccuBlend						
Scan Rate		SXGA+(1400 x 1050) with Advanced AccuBlend (NP405G/NP305G are not available)						
Keystone Correction		Vertical						
Input Terminals		2 Computer Input		1 DVI-I (Computer 2 IN (Except for NP305G))		2 Stereo Mini Jack		1 D-Sub Mini 15pin (Sharing with Computer 1 IN), 2 D-Sub Mini 15pin - NP305G (Sharing with Computer 1&2 IN)
Output Terminals		RGB Output		Audio Output		LAN Port		
Environment		Operational Temperatures						
Power Requirement		Input Current						
Power Consumption		Normal Mode						
Heat Dissipation		100 - 130V						
Dimensions (WxHxD) (Not including Protrusions)		Weight						
Accessories		Regulations						

*1: Effective pixels are more than 99.99%.
 *2: 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.
 *3: 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.
 *4: Compliance with ISO21118-2005
 *5: What is HDCP/HDCP technology?
 HDCP is an acronym for High-bandwidth Digital Content Protection. High bandwidth Digital Content Protection (HDCP) is a system for preventing illegal copying of video data sent over a Digital Visual Interface (DVI). If you are unable to view material via the DVI input, this does not necessarily mean the projector is not functioning properly. With the implementation of HDCP, there may be cases in which certain content is protected with HDCP and might not be displayed due to the decision/intention of the HDCP community (Digital Content Protection, LLC).
 All specifications are subject to change without notice.

Remote Control



Soft Case

(basic accessory)
(except for NP305G/NP610SG/NP510WSG)



Options



Portable Projector

NP610G/NP510G/NP410G/NP305G NP510WG/NP610SG/NP510WSG

Projector series considering ecology, with user-friendly operability employing full functionality. Appropriate for business and educational occasions. Product lineups are available with wide aspect and ultra short focus projection models. Select the optimum model for your purpose of use.



NP610G/NP510G/NP410G/NP305G/NP510WG



NP610SG/NP510WSG

Ecology and Operability—leading features of the projector



NP610G/NP510G/NP410G/NP305G/NP510WG

NP610SG/NP510WSG

NP610G XGA 3500 ANSI lumens 500:1 2.99 Kg	NP510G XGA 3000 ANSI lumens 500:1 2.99 Kg	NP410G XGA 2600 ANSI lumens 2000:1 3.0 Kg	NP610SG XGA 2600 ANSI lumens 600:1 3.3 Kg
NP305G XGA 2200 ANSI lumens 500:1 2.97 Kg	NP510WG WXGA 3000 ANSI lumens 500:1 2.99 Kg	NP510WSG WXGA 2100 ANSI lumens 600:1 3.3 Kg	

User-friendly operability and superior flexibility in installation and projection

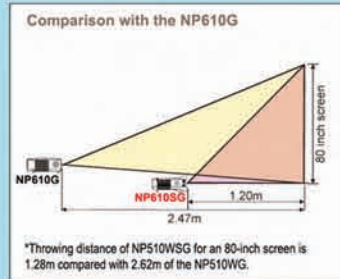
■Quick start & Quick power off

Your projector is setup and ready to display your presentation about 3 seconds after powering on, with the NEC Quick Start function.* The Quick Power Off function stops the cooling fan immediately after turning off the power to the projector, which makes it possible to remove the projector quickly. For a rapid shut down, the projector can be turned off without powering off the projector using the Direct Power Off function and a power strip equipped with a switch and breaker.

*NP510G/NP410G/NP305G. The other models are about 4 seconds.

■Ultra short focus projection (NP610SG/NP510WSG)

The fixed short-focus lens enables ultra short distance projection. For an 80-inch screen, it is possible to project from a distance of 1.20 m for the NP610SG and 1.28 m for the NP510WSG respectively, so that the projector can be set on a desk in the classroom or used in a meeting corner.

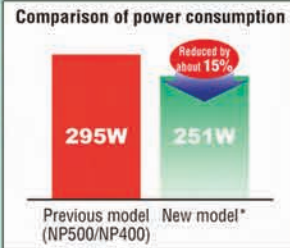


The ECO function saves power and reduces CO2 emissions

■15% energy saving and extends lamp life*

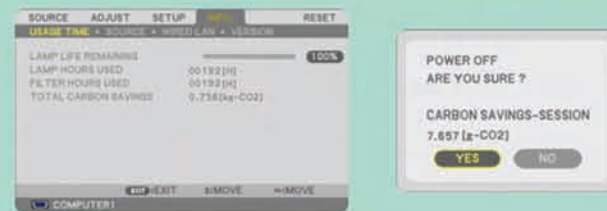
Lamp life in Eco Mode has been extended from 4000 hours to 5000 hours (Normal mode: 4000 hours). Furthermore, power consumption has been reduced by about 15%*. Power consumption in standby mode is 0.6 W (100-130V AC)/0.7 W (200-240V AC). These enhancements help to dramatically reduce the TCO (total cost of ownership).

*NP510G/NP410G/NP305G



■Carbon meter for visualizing ecology

The projector employs the Carbon Meter indicating the reduced amount of CO2 emissions in Eco Mode. Visually confirm the numerical value indicating the reduction in CO2 emissions in comparison with Normal Mode operation.



Major specifications

	Standard Model				Wide Panel Model	Short-Throw Model	Wide Panel & Short-Throw Model
	NP610G	NP510G	NP410G	NP305G	NP510WG	NP610SG	NP510WSG
Resolution (Native Aspect Ratio)	XGA (4:3)				WXGA (16:10)	XGA (4:3)	WXGA (16:10)
Brightness (ANSI lm)	3500	3000	2600	2200	3000	2600	2100
Zoom	Manual Zoom				Digital Zoom		
Screen Size (Throwing Distance)	21"-300" (0.7-11.3m)				21"-300" (0.8-11.9m)	60"-110" (0.9-1.7m)	57"-104" (0.9-1.7m)
Contrast Ratio	500:1		2000:1		500:1		600:1
Computer Input	Analog with DVI-I			Analog	Analog with DVI-I		
Wired LAN	RJ-45				-	RJ-45	

Terminals

NP610G/NP510G/NP410G/NP510WG/NP610SG/NP510WSG

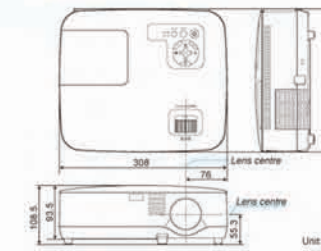


NP305G

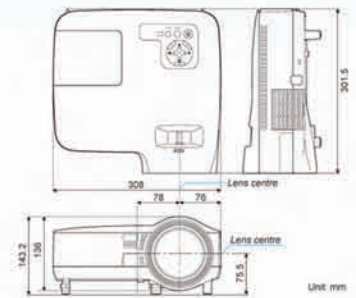


Dimensions

NP610G/NP510G/NP410G/NP305G/NP510WG



NP610SG/NP510WSG



Variety of functions for user-friendly operation on different occasions

■Security function

By using passwords, the projector cannot be used by unauthorized persons. It is impossible to project an image unless the proper password is entered.

Since the main unit has a security chain opening, unauthorized removal of the projector is prevented by inserting the security cable or wire commercially available into the opening.



■Built-in 7W speaker for integrated audio solutions

■Multiple input/output terminals

■Auto Vertical Keystone Correction

■Wall Colour Correction for vivid images even without a screen

■Wired LAN Connectivity (NP610G/NP510G/NP410G/NP510WG/NP610SG/NP510WSG)

■WXGA panel for wide-format images (NP510WG/NP510WSG)

■High Contrast Ratio 2000:1 (NP410G)

■One-touch operation switches the remote controller into Eco mode



Virtual Remote Function is easy and convenient to set up on the projector

■Virtual Remote Function

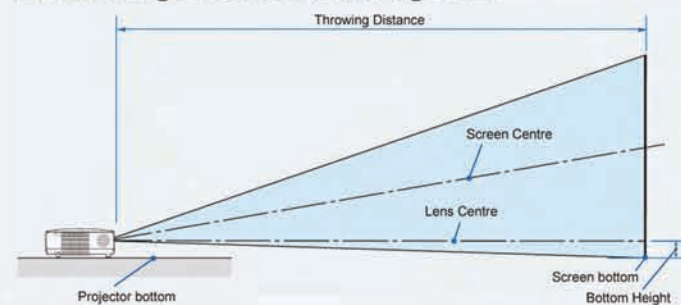
The included Virtual Remote Tool utility software allows to operate the power on/off or switch inputs on the projector from your PC by using the supplied VGA signal cable. The Easy Setup function is employed in addition to the ordinary Virtual Remote Tool. With this function, projector can be set up simply by following the instructions shown on the screen for easy setup.



For the operating screen, you can select either the toolbar or the remote controller type.



Throwing Distance and Image Size



NP610G/NP510G/NP410G/NP305G (Aspect Ratio 4:3)

Screen Size (inch)	Throwing distance(m)	Bottom Height(cm)
21 (0.43x0.32)	0.75	5.0
25 (0.51x0.38)	0.90	6.0
30 (0.61x0.46)	1.09	7.1
40 (0.81x0.61)	1.47	9.5
60 (1.22x0.91)	2.22	14.3
80 (1.63x1.22)	2.98	19.1
100 (2.03x1.52)	3.73	23.8
120 (2.44x1.83)	4.49	28.6
150 (3.05x2.29)	5.62	35.7
180 (3.66x2.74)	6.74	42.9
200 (4.06x3.05)	7.50	47.6
240 (4.88x3.66)	9.01	57.2
300 (6.10x4.57)	11.27	71.4

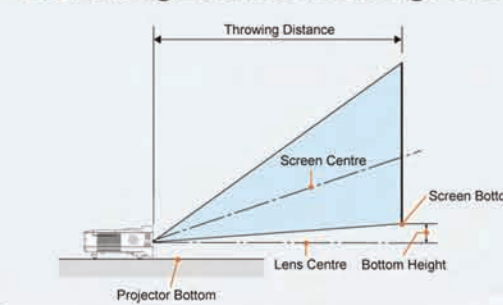
The values in the tables are design values and may vary.

NP510WG (Aspect Ratio 16:10)

Screen Size (inch)	Throwing distance(m)	Bottom Height(cm)
21 (0.45x0.28)	0.80	2.5
25 (0.54x0.34)	0.79	0.96
30 (0.65x0.40)	0.96	1.16
40 (0.86x0.54)	1.29	1.56
60 (1.29x0.81)	1.96	2.36
80 (1.72x1.08)	2.62	3.16
100 (2.15x1.35)	3.29	3.96
120 (2.59x1.62)	3.95	4.75
150 (3.23x2.02)	4.95	5.95
180 (3.88x2.42)	6.00	7.15
200 (4.31x2.69)	6.62	7.95
240 (5.17x3.23)	7.95	9.56
300 (6.46x4.04)	9.94	11.95

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

Throwing Distance and Image Size



NP610SG (Aspect Ratio 4:3)

Screen Size (inch)	Throwing distance(m)	Bottom Height(cm)
60 (1.22x0.91m)	0.90	4.8
64 (1.30x0.97m)	0.96	5.1
70 (1.42x1.06m)	1.05	5.6
77 (1.57x1.17m)	1.16	6.1
80 (1.63x1.22m)	1.20	6.4
90 (1.83x1.37m)	1.36	7.1
100 (2.03x1.52m)	1.51	7.9
110 (2.23x1.67m)	1.67	8.7

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

NP510WSG (Aspect Ratio 16:10)

Screen Size (inch)	Throwing distance(m)	Bottom Height(cm)
57 (1.23x0.76m)	0.90	12.5
60 (1.29x0.81m)	0.95	13.1
70 (1.51x0.94m)	1.11	15.3
80 (1.72x1.08m)	1.28	17.5
87 (1.87x1.17m)	1.39	19.0
90 (1.94x1.21m)	1.44	19.7
100 (2.15x1.35m)	1.60	21.9
104 (2.24x1.40m)	1.67	22.8

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