

Installation Projector

NP3200/NP2200/NP1200

Eco-friendly projector capable for flexible installation and versatile uses with five optional lenses, lens shift and many other features.



Low power consumption in power-saving mode

Power consumption in power-saving mode is 0.4W (100-120V AC) / 0.5W (200-240V AC). These enhancements help to dramatically reduce the TCO (total cost of ownership).

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 Eco Mode Off operation.



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

The included Virtual Remote Tool utility software allows to manipulate the projector from your PC connected with VGA signal cable. In addition, the Easy Setup function gives simple instructions for setting up the projector.



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

Quick start & Quick power off

Your projector is setup and ready to display your presentation about 5 seconds after powering on, with the 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.

Direct power off

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.

Five types of optional lenses available for Flexible installation

Five optional lenses are selectable for various installation conditions depending on the screen size, room space, throwing distance, etc. Lenses can be easily replaced by hand without using tools.

Manual lens shift for simple adjustment of projected images on screen

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.

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

- High Brightness up to 5000 ANSI Lumens (NP3200)
- Vertical Keystone Correction +/-30 degrees
- Wall Colour Correction for vivid images even without a screen

- Wired LAN Connectivity
- Auto Power On starts projection immediately by inserting the power cord into an outlet
- High altitude mode (5500ft / 1600m)

Specifications

		NP3200	NP2200	NP1200	
LCD Panel		0.8 inch LCD with Micro Lens Array (Aspect Ratio 4:3) Dichroic mirror separation-prism convergence system			
Resolution*1		1024 x 768 pixels			
Lens		Manual Zoom/Focus, Zoom Ratio 1 to 1.33, Range = 1 : 1.5 to 2.0, f = 24.4mm to 32.5mm, F = 1.7 to 2.2			
Lens Shift		Horizontal : Max±0.1H / Vertical : Max+0.5V			
Lamp (Eco Mode On / Eco Mode Off)		264W / 330W AC	264W / 300W AC		
Lamp Life*2 (Eco Mode On / Eco Mode Off)		3000H / 2000H			
Image Size (Projection Distance)		30 to 500inch (0.89m to 20.83m) (Standard Lens)			
Colour Reproduction		16.7 million colours simultaneously, Full colours			
Light Output*3,4	Eco Mode Off	5000 ANSI lumens	4200 ANSI lumens	3700 ANSI lumens	
	Eco Mode On	Approx.80% of ECO Mode Off	Approx.88% of ECO Mode Off	Approx.88% of ECO Mode Off	
Contrast Ratio (White / Black)*4		600:1			
Maximum Resolution	Analog	UXGA (1600 x 1200) @ 60Hz with Advanced AccuBlend			
	Digital	SXGA+ (1400 x 1050) @ 60Hz with Advanced AccuBlend			
Scan Rate	Horizontal	15kHz to 100kHz (RGB : 24kHz or over)			
	Vertical	50Hz to 120Hz			
Keystone Correction		Manual Approx.±Max 30 degrees *5			
Input Terminals	2 Computer Input (Analog)	1 D-Sub Mini 15pin (Computer 1 IN) 1 BNC x 5 (Computer 2 IN) 2 Stereo Mini Jack			
	1 Computer Input (Digital)	1 DVI-D (Computer 3 IN) 1 Stereo Mini Jack			
	2 Component Input	1 D-Sub Mini 15pin (Sharing with Computer 1 IN) 1 BNC x 5 (Sharing with Computer 2 IN) Audio Input is Sharing with Computer 1&2			
	1 S-Video Input	1 Mini DIN-4pin 1 RCA pin x 2			
	2 Video Input	1 RCA pin 1 BNC x 1 (Sharing with Computer 2 IN) Audio Input is Sharing with S-Video			
	1 RGB Output	1 D-Sub Mini 15pin Selected Computer1 or Computer2 Signal Input			
Output Terminals	1 Audio Output	1 Stereo Mini Jack Stereo L/R : Selected Audio Signal input from Computer1, Computer2, Computer3 (DVI-D), Video or S-Video			
LAN Port		RJ-45 100BASE-TX/10BASE-T			
Control Terminals		PC Control 1 D-sub 9pin RS-232C			
Built-In Speaker		10W (5W+5W Stereo)			
Quietness (Eco Mode On / Eco Mode Off)		31dB / 38dB	30dB / 34dB	30dB / 33dB	
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			
Power Consumption		Eco Mode Off	100 - 240V	4.7 - 2.0A	4.3 - 1.9A
			200 - 240V	2.3A	2.2A
		Eco Mode On	100 - 120V AC	428W	396W
			200 - 240V AC	412W	381W
		Standby Mode	100 - 120V AC	12W	13W
		Power-saving Mode	100 - 120V AC	0.4W	0.5W
Dimensions (WxHxD)		399mm x 150.5mm x 358mm (Not Including Protrusions)			
Weight		7.4kg			
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 Europe Meets EMC Directive (EN65022 Class B, EN65024, EN61000 - 3 - 2, EN61000 - 3 - 3), Meets Low Voltage Directive (EN60950 - 1, TÜV GS Approved)			
		For Korea KC (safety : K60950 - 1, EMC : K00022, K00024, K61000 - 3 - 2)			
		For China GB4943, GB9254, GB17625.1 Gost R 60950 - 1, 51318.22, 51317.3.2./3.3.			

*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.

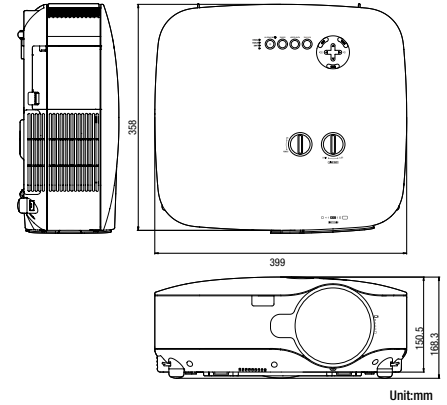
*3 : This is the light output value (ANSI lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PRESET] mode, the light output value may drop slightly.

*4 : Compliance with ISO21118-2005

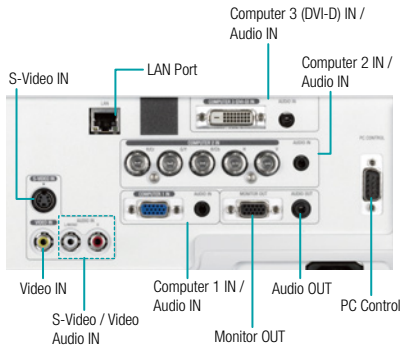
*5 : When the lens shift is set to the center. When the lens shift is used and yet the image is not displayed in the center of the screen, the adjustable range will be increased or decreased. Image is projected in Wide (Zoom lever).

All specifications are subject to change without notice.

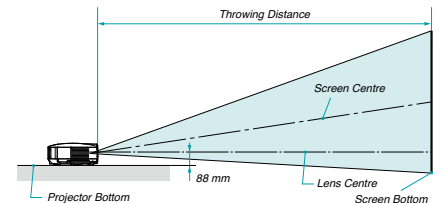
Dimensions



Terminals



Throwing Distance and Image Size



Screen Size (Inch)	Throwing Distance (m)					
	Standard	NP01FL	NP02ZL	NP03ZL	NP04ZL	NP05ZL
30" (0.61x0.46m)	0.9-1.2	-	0.7-0.9	-	-	-
40" (0.81x0.61m)	1.2-1.6	0.64	0.9-1.2	1.6-2.5	-	-
60" (1.22x0.91m)	1.8-2.5	0.98	1.4-1.9	2.4-3.8	3.6-5.8	5.7-8.8
80" (1.63x1.22m)	2.5-3.3	1.32	1.9-2.5	3.2-5.1	4.8-7.8	7.7-11.7
100" (2.03x1.52m)	3.1-4.1	1.66	2.4-3.2	4.0-6.4	6.1-9.8	9.6-14.7
120" (2.44x1.83m)	3.7-5.0	2.00	2.9-3.8	4.8-7.7	7.3-11.8	11.6-17.7
150" (3.05x2.29m)	4.7-6.2	2.50	3.7-4.8	6.0-9.6	9.2-14.8	14.5-22.2
200" (4.06x3.05m)	6.2-8.3	-	4.9-6.4	8.1-12.8	12.3-19.7	19.4-29.6
300" (6.10x4.57m)	9.4-12.5	-	7.4-9.6	12.2-19.3	18.5-29.7	29.2-44.5
400" (8.13x6.10m)	12.5-16.7	-	9.9-12.9	16.2-25.7	24.7-39.6	39.0-59.4
500" (10.16x7.62m)	15.7-20.8	-	12.4-16.1	20.3-32.1	30.9-49.5	48.9-74.4

* 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.

Remote Control



Options



Option Lens

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	30-500inch	40-150inch	30-500inch	40-500inch	60-500inch	60-500inch
	NP3200	5000 ANSI lm	3700 ANSI lm	4000 ANSI lm	4300 ANSI lm	4200 ANSI lm
	NP2200	4200 ANSI lm	3200 ANSI lm	3400 ANSI lm	3600 ANSI lm	3500 ANSI lm
Brightness*	NP1200	3700 ANSI lm	3000 ANSI lm	3100 ANSI lm	3300 ANSI lm	3200 ANSI lm
	NP1200	3700 ANSI lm	3000 ANSI lm	3100 ANSI lm	3300 ANSI lm	3200 ANSI lm
Lens Shift	Vertical	Max +0.5V	0	Max +0.5V	Max +0.5V	Max +0.5V
	Horizontal	Max ±0.1H	0	Max ±0.1H	Max ±0.1H	Max ±0.1H
Weight	0.63kg	1.1kg	1.1kg	1.13kg	0.89kg	0.92kg

* This is the brightness value when the lamp mode is set to "Eco Mode Off" and the preset mode is "High brightness mode". If the lamp mode is switched to "Eco Mode On", the brightness will drop to about 80% in the NP3200. For the NP2200 and NP1200 to the brightness drops to about 88%. If any other mode is selected as the preset mode, brightness may drop slightly.

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