

**NEC** NEC Display Solutions, Ltd.

# NP215/NP210/NP115/NP110

Portable



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<b>NP215</b>	XGA   2500 ANSI lumens   2.5 kg	<b>NP210</b>	XGA   2200 ANSI lumens   2.5 kg
<b>NP115</b>	SVGA   2500 ANSI lumens   2.5 kg	<b>NP110</b>	SVGA   2200 ANSI lumens   2.5 kg

High-performance, cost-effective projector offers easy, multifunction operation ideal for many applications especially for business and education

## Functions and Features

### TCO eco-certificate



TCO Certified makes it easy to choose a projector that gives the best possible image quality for your needs and at the same time has minimal environmental impacts.

A new measurement called "TCO Image Size" specifies the maximum projected size for excellent image quality.

NEC NP215 and NP410 are the first projectors worldwide to be awarded the TCO Certification (TCO Projector 1.0).

[TCO Certified Models](#)

For more details about TCO Certified Projectors:

<http://www.tcodevelopment.com/pls/nvp/Document.show?cid=4146&mid=562>

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### Long life lamp 5000 hours

Lamp life in Eco Mode has been extended to 5000 hours from 4000 hours in the previous model (Eco Mode Off : 3500 hours).

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### Low power consumption in power-saving mode

Power consumption in power-saving mode is 0.49W (100-130V AC) / 0.71W (200-240V AC). These enhancements help to dramatically reduce the TCO (total cost of ownership).

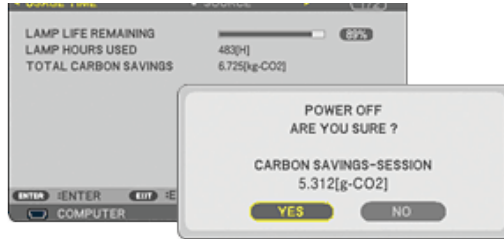
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### Carbon meter for visualizing ecology

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.



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**Quick power off & Direct power off**

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.

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**Security bar and password protection functions**

By using passwords, the projector cannot be used by unauthorized persons. Furthermore, 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.



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**High brightness 2500 ANSI lumens (NP215 / NP115)**

**High contrast ratio 2000:1**

**Built-in 7W speaker for integrated audio solutions**

**Wired LAN Connectivity (NP215)**

**Wall Colour Correction for vivid images even without a screen**

**Vertical Keystone Correction +/-40 degrees**

**Auto power on starts projection immediately by inserting the power cord into an outlet**

**Front ventilation for effective heat dissipation**

**High altitude mode (5000ft / 1700m)**

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**Terminal Panel**

**NP215**

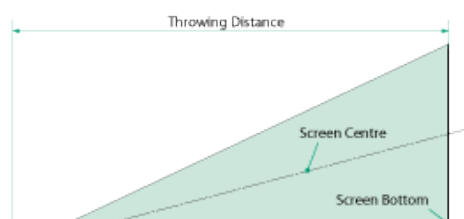


**NP210/NP115/NP110**

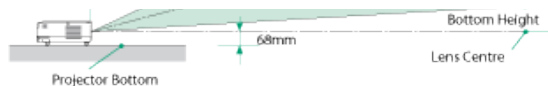


**Throwing Distance and Screen Size**

Screen Size (Inch)	Throwing Distance (m)		Bottom Height (cm)
	Wide	Tele	
30 (0.61x0.46)	1.18	1.32	6.9
40 (0.81x0.61)	1.57	1.76	9.1
60 (1.22x0.91)	2.36	2.64	13.7
80	3.15	3.52	18.2



(1.63x1.22)	3.10	3.32	10.0
100	3.93	4.40	22.8
(2.03x1.52)			
120	4.72	5.28	27.4
(2.44x1.83)			
150	5.90	6.60	34.3
(3.05x2.29)			
180	7.08	7.92	41.1
(3.66x2.74)			
200	7.87	8.80	45.7
(4.06x3.05)			
240	9.44	10.56	54.8
(4.88x3.66)			
300	11.80	13.20	68.5
(6.10x4.57)			



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

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### Specifications

Model Name		NP215	NP210	NP115	NP110
DLP Chip		0.55 inch DLP (Aspect Ratio 4:3)			
Resolution *1		1024 x 768 pixels		800 x 600 pixels	
Lens		Manual zoom (x 1.1)/Manual focus			
Lamp (Eco Mode On / Eco Mode Off)		Throw ratio 1.95-2.15:1, F2.41-2.55, f=21.8-24.0mm			
Lamp Life *2 (Eco Mode On / Eco Mode Off)		160W / 180W AC			
Image Size (Projection Distance)		5000H / 3500H			
Colour Reproduction		30 to 300 inch (1.18m to 13.2m)			
Light Output *3 *4	Eco Mode Off	2500 ANSI lumens	2200 ANSI lumens	2500 ANSI lumens	2200 ANSI lumens
	Eco Mode On	Approx. 90% of Eco Mode Off			
Contrast Ratio (White / Black) *4		16.7 million colours simultaneously, Full colours			
Maximum Resolution		2000:1 (* Dynaminc Contrast ON)			
Scan Rate	Horizontal	UXGA (1600x1200) with Scaling technology			
	Vertical	15kHz to 100kHz (RGB : 24kHz or over)			
Keystone Correction	Vertical	50Hz to 120Hz (Over 85Hz signal must be less than XGA resolution)			
		Manual Approx. ±Max 40 degrees			
Input Terminals	1 D-Sub Mini 15pin	VGA, SVGA, XGA, WXGA, SXGA, SXGA+,UXGA/480i, 480p, 576i, 576p, 720p, 1080i			
	1 Stereo Mini Jack	RGB : 0.7Vp-p/75Ω			
	1 D-Sub Mini 15pin (Sharing with Computer IN)	H/V Sync : 4.0Vp-p/TTL Level Positive/Negative Polarity			
	1 Component Input	Stereo L/R 0.5Vrms/22kΩ or over			
	Audio Input is Sharing with Computer IN	Y : 1.0Vp-p/75Ω(with Sync) Cb/Cr (Pb/Pr) : 0.7Vp-p/75Ω			
	1 S-Video Input	DTV : 480i, 480p, 720p, 1080i/60Hz, 576i, 576p, 1080i/50Hz DVD Progressive (50/60Hz)			
	1 Mini DIN-4pin	Specification is same as Computer IN			
	Audio Input is Sharing with Computer IN	Y : 1.0Vp-p/75Ω C : 0.286Vp-p/75Ω			
	1 Video Input	Specification is same as Computer IN			
Output Terminals	1 RGB Output	NTSC/NTSC4.43/PAL/PAL-N/PAL-M/PAL-60/SECAM 1.0Vp-p/75Ω			
	1 D-Sub Mini 15pin	Output Computer Signal			
LAN Port	1 RJ-45	100BASE-TX /10BASE-T			-
Control Terminals	PC Control	1 D-sub 9pin			RS-232C

Built-In Speaker		7W Monaural
Quietness (Eco Mode On/ Eco Mode Off)		31dB / 34dB
Environment	Operational Temperatures	5°C to 40°C ([ECO MODE] is set automatically to [ON] 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
Input Current	100 - 130V	2.6A / 1.2A
	200 - 240V	1.4A (NP215+/NP210+/NP115+/NP110+)
Power Consumption	Eco Mode Off 100 - 130V	242W
	Eco Mode Off 200 - 240V	233W
	Eco Mode On 100 - 130V	217W
	Eco Mode On 200 - 240V	210W
Standby Mode	100 - 130V	4W
	200 - 240V	5W
	Power-saving Mode 100 - 130V	0.49W
Heat Dissipation	100 - 130V	MAX : 825 BTU
	200 - 240V	MAX : 795 BTU
Dimensions (W x H x D)		310mm x 95mm x 247mm (Not Including Protrusions)
Weight		2.5kg
Accessories		Remote control (with battery), Signal cable (MiniD15-MiniD15)(1.8m), Power cable, User's manual(CD-ROM), Quick Setup guide, Lens cap
Regulations		UL/C-UL Approved (UL 60950-1, CSA 60950-1) Meets DOC Canada Class B requirements Meets FCC Class B requirements Meets AS/NZS CISPR.22 Class B Meets EMC Directive (EN55022, EN55024, EN61000-3-2, EN61000-3-3) Meets Low Voltage Directive (EN60950-1, TÜV GS Approved)

\*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 dose not refer to the warranty period for the lamp.

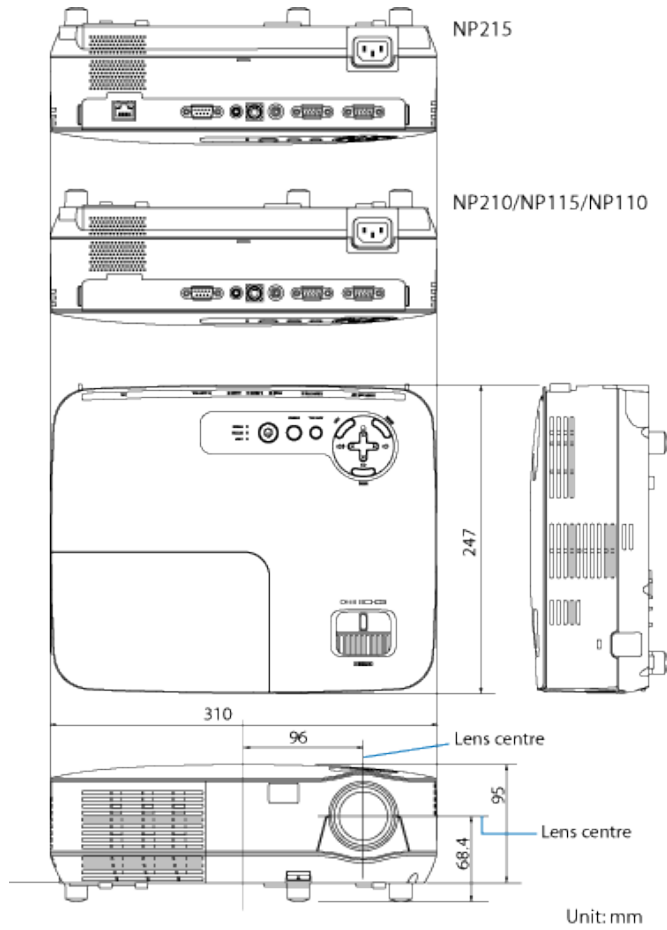
\*3 : This is the light output value (ANSI lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PRESET] mode, the light output value may drop.

\*4 : Compliance with ISO21118-2005

All specifications are subject to change without notice.

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**Dimensions**



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**Accessories**

**Options**

**Replacement lamp  
NP13LP**



**Ceiling mount kit  
NP11CM**



**Remote Control**



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This product may not be available in some regions.  
Model codes, specifications and available options may differ by region.  
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