Empowered by Innovation

NEC

Ultra Portable Projector

NP60/NP50/NP40

*The world's lightest**
3000 ANSI lumens projector.
Auto features to make set up quick and easy.

**As of October 2006, according to our investigation*

- **Ultra Portable, High Brightness of 3000 ANSI lumens**
- **Auto Focus Function**
- **Auto Input Selection**
- **Auto Vertical Keystone Correction**
- **Quick Start Up and Cooling Down**
- **Quick Power-Off Function**
- **New Cooling System**
- **1.6kg**

The focus sensor measures the distance between the projector and the screen and adjusts the focus automatically and very quickly.

A portable, compact body with sufficient brightness for large screen presentations in large conference rooms.

PICTURE BY DLP TEXAS INSTRUMENTS

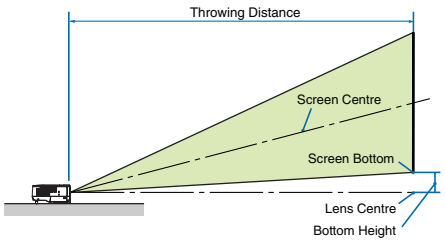
From Digital Cinema to Mobile Convenience - NEC Projector is the Best Solution

Specifications

				NP60	NP50	NP40
DLP Chip*1				0.55 inch 1 chip DLP, 1,024 x 768 pixels (Aspect 4 : 3)		
Lens				Manual zoom and auto focus*3 (effective range : 1.5 m to 5.5 m) / manual focus		
				(F2.2 to 2.34, f=20.4 mm to 24.5 mm)		
Lamp			Normal Mode	220W AC	200W AC	
			Eco Mode	180W		
Lamp Life*2			Normal Mode	2,000H		
			Eco Mode	3,000H		
Power Consumption			Normal Mode	285W	265W	
			Eco Mode	240W		
			Standby Mode	6W		
Input Current				3.2A to 1.3A (100 to 240V AC)	3.0A to 1.2A (100 to 240V AC)	
Light Output			Normal Mode	3,000 ANSI lumens	2,600 ANSI lumens	2,200 ANSI lumens
			Eco Mode	Approx.80% of Normal	Approx.90% of Normal	
Contrast Ratio (White/Black)				1,600 : 1		1,500 : 1
Quietness			Normal Mode	40dB		
			Eco Mode	35dB		
Image Size				33inch to 300inch (33inch is only end of tele)		
Projection Distance				1.5m to 13.4m		
Projection Angle				12.3°to 15°		
Maximum Resolution				UXGA (1,600 x 1,200) With scaling technology		
Synchronization Range		Horizontal		15kHz to 100kHz (RGB: 24kHz or over)		
		Vertical		50Hz to 85Hz		
Video Bandwidth				RGB:100MHz / Video:6.5MHz		
Colour Reproduction				Full Colour, 16.77Million Colours Simultaneously		
Input Terminals	1 Computer Input	D-Sub Mini 15pin	Compatible signals	VGA, SVGA, XGA, SXGA, SXGA+,UXGA		
			RGB	0.7Vp-p/75Ω		
			H/V Sync	4.0Vp-p/TTL Polarity		
			Composite Sync	4.0Vp-p/TTL Level		
			Sync on G	1.0Vp-p/75Ω(With Sync) Negative Polarity		
	1 Component Input (Sharing With Computer)	D-Sub Mini 15pin (Sharing With Computer Input)	Y	1.0Vp-p/75Ω(With Sync)		
			Cb · Cr (Pb · Pr)	0.7Vp-p/75Ω		
			Compatible signals	1080i, 720p, 576p, 480p, 576i, 480i		
				DVD Progressive Signals(50/60Hz)		
	1 Video Input	RCA pin	Composite signals	NTSC/NTSC4.43/PAL/PAL-N/PAL-M/PAL-60/SECAM		
			Composite Video	1.0Vp-p/75Ω		
	1 S-Video Input	Mini DIN-4pin	Y	1.0Vp-p/75Ω		
			C	0.286Vp-p/75Ω(Burst Level of NTSC)		
Control terminals		PC Control	Mini DIN-8pin	RS-232C		
Keystone Correction Vertical				Automatic/Manual max±16°		
Environment	Operational Temperatures			5°C to 40°C, 20% to 80% Humidity (Non-Condensing)(Eco mode selected automatically at 35°C to 40°C)		
	Storage Temperatures			-10°C to 50°C, 20% to 80% Humidity (Non-Condensing)		
Power Requirement				100 to 240V AC, 50Hz/60Hz		
Regulations	For North America			UL Approved(UL 60950-1),NOM-001-SCFI-1993, Meets FCC Class B Requirements		
	For Canada			UL Approved(CSA 60950-1), Meets DOC Canada Class B Requirements		
	For Asia/Oceania			Meets IEC60950-1, Meets AS/NZS CISPR.22 Class B		
	For China			GB4943, GB9254,GB17625.1		
	For Europe			Meets EMC Directive(EN55022, Class B, EN55024, EN61000-3-2, EN61000-3-3), Meets Low Voltage Directive (EN60950-1, TUV GS Approved)		
Net Weight				1.6kg		
Dimensions (WxHxD)				246mm x 72mm x 177mm (Not Including Protrusions)		

*1 : DLP Chip technology consists of fine picture cells with more than 99.99% of the cells being active.
*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 : 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.
All specifications are subject to change without notice.

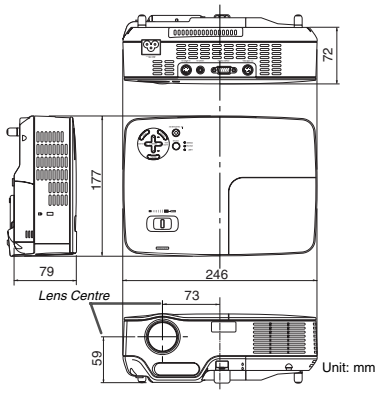
Throwing Distance and Image Size



Screen Size (inch)	Throwing Distance Wide(m)	Throwing Distance Tele(m)	Bottom Height(cm)
33	–	1.4	7.0
40	1.5	1.7	8.5
60	2.2	2.6	12.7
80	3.0	3.5	16.9
100	3.7	4.4	21.2
120	4.5	5.3	25.4
150	5.6	6.6	31.8
180	6.7	8.0	38.1
200	7.5	8.9	42.4
240	9.0	10.7	50.8
300	11.2	13.4	63.6

The actual throwing distance may vary within plus or minus 5%. The indicated distance is a design value only.

Dimensions



Remote Control

Soft Case (basic accessory)

Options

Replacement lamp NP03LP (for NP60)

Replacement lamp NP02LP (for NP50, NP40)

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.

for more information
www.nec-pj.com

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