

Home Theatre Projector

Empowered by Innovation

NEC

HT410/HT510

A home theatre projector with superior cost performance



- **Wide panel screen display in 16:9 native format**
- **An elegant, rounded body design in pearl white**
- **Lens shift function and the new tilt foot for easy setup**
- **High image quality**
- **Contrast ratio: 1200:1**
- **Quietness : 26 dB (in Eco-mode)**

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HT410 and HT510 are high cost performance home theatre projectors with a unique round oblong shape in pearl white and low-noise characteristics of 26 dB. Effective for use in SOHO as well as for home entertainment.

An eagerly-awaited DLP™ in 16:9 wide panel

HT410 and HT510 are NEC's first single-chip DLP™ projectors equipped with a real 16:9 wide panel. The HT410 employs an 854 X 480 DMD and the HT510 employs a 1024 X 576 DMD, respectively.



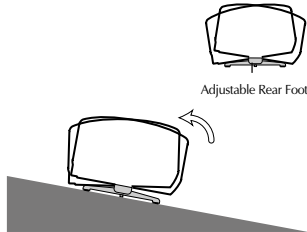
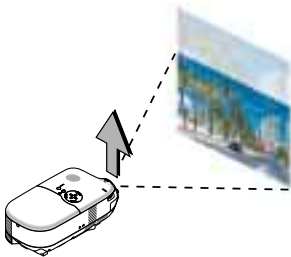
Lens Shift and New Tilt Foot for Easy Setup

Lens Shift

Projected images can be shifted in the vertical direction up to the upper half of the screen.

New Tilt Foot

The New Tilt Foot tilts the projector up to 10 degrees from side to side. Install the projector even at inclined angles to project level, square images.



High Performance Video Quality

Texas Instruments' DDP2000 produces high quality projected images. *Images are samples.

- De-Interlacing
- Interlace-Progressive Conversion
- Edge Adaptive Interpolation



- Noise Reduction
- Adaptive Spatial/Temporal Noise Reduction



Other functions

- Quietness: 26 dB (in eco-mode)
- High contrast ratio: 1200:1
- Wall Colour Correction
- Colour Management Function
- On-Screen Display: On-screen menus in 20 languages
- Security Function
- Multi functional remote controller with backlight



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Specifications

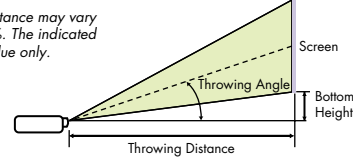
		HT510	HT410	
DMD Panel*1		1chip DMD 0.6inch reflection 12Dig Ddr Type, 1,024x576 pixels Aspect 16 : 9	1chip DMD 0.5inch reflection 12Dig Ddr Type, 854x480 pixels Aspect 16 : 9	
Projection Distance		0.9 to 6.1m (wide) / 1.0 to 7.3m (tele)	1.1 to 7.3m (wide) / 1.3 to 8.7m (tele)	
Contrast Ratio		1,200 : 1 (White : Black)		
Lamp		155W DC (Lamp Normal Mode) / 124W (Lamp Eco Mode)		
Lamp Life*2		2,000hrs. (Lamp Normal Mode) / 3,000hrs. (Lamp Eco Mode)		
Lens		Manual/Zoom/Focus/Shift (Range 1 to 1.18)(F2.0 to 2.48)(f=19.5mm to 23.0mm),Lens Shift : Vertical only +0.5V		
Projection angle		Lowest Position*3 : 6.6°(wide) / 5.5° (tele) Highest Position*4 : 16.1°(wide) / 13.6° (tele)	6.5°(wide) / 5.5° (tele) 16.0°(wide) / 13.6° (tele)	
Image Size		30 to 200 inches diagonal (16 : 9)		
Light Output*2		1,000ANSI lumens (Lamp Normal Mode) / 800ANSI lumens (Lamp Eco Mode)		
Maximum Resolution		SXGA+ (1,400 x 1,050) with Advanced AccuBlend		
Optical unit		Colour separation by the colour wheel		
Synchronization Range		Horizontal : 15kHz to 100kHz (RGB : 24kHz or over) Vertical : 50Hz to 85Hz		
Horizontal Resolution		540TV Lines : NTSC/NTSC 4.43/PAL/Y/Cb+Cr 300TV Lines : SECAM		
Colour Reproduction		Full Colour, 16.7Million Colours Simultaneously		
Input Terminals	1 Computer Input	D-Sub Mini 15pin	RGBHV : VGA, SVGA, XGA, SXGA+ RGB : 0.7Vpp/75Ω H/V Sync : 4.0Vpp/TTL Polarity Composite Sync : 4.0Vpp/TTL Level Sync on G : 0.3Vpp/75Ω Negative Polarity	
		Stereo Mini Jack	Stereo L/R : 0.5Vrms/22kΩ or over	
	2 Component Input	D-Sub Mini15pin (Sharing With Computer Input)	Y : 1.0Vpp/75Ω (With Sync) Cb+Cr (Pb+Pr) : 0.7Vpp/75Ω	
		Stereo Mini Jack (Sharing With Computer Input)	Same With Computer	
	1 Video Input	RCA pin	Composite Video : NTSC/NTSC4.43/PAL/PAL-N/PAL-M/PAL-60/SECAM 1.0Vpp/75Ω	
		2 RCA pin	Stereo L/R : 0.5Vrms/22kΩ or over	
	1 S-Video Input	Mini DIN-4pin	Y : 1.0Vpp/75Ω C : 0.286Vpp/75Ω	
		Sharing With Video Input	Same With Video	
	Control Terminal : PC Control		MINI DIN8pin RS-232C	
	Keystone Correction : Vertical Only		Manual Max ±15° approx	
Built-In Speaker		1W Monaural		
Environment		Operational Temperatures : 5° to 35° C, 20 to 80% Humidity (Non-Condensing) Storage Temperatures : -10° to 50° C, 20 to 80% Humidity (Non-Condensing)		
Power Requirement		100 to 240V AC, 50Hz / 60Hz		
Power Consumption		204W (Lamp Normal Mode) 162W (Lamp Eco Mode) , 7.0W (Standby)		
Input Current		2.2 to 1.1A (100 to 240V AC)		
Quietness		28dB (Lamp Normal Mode), 26dB (Lamp Eco Mode) UL/CUL Approved (UL 60950, CSA 60950) Meets DOC Canada Class B requirements Meets FCC Class B requirements Meets AS/NZS CISPR.22 Class B Meets VCCI Class B requirements Meets EMC Directive (EN55022, EN55024, EN61000-3-2, EN61000-3-3) Meets Low Voltage Directive (EN60950, TUV GS Approved) NOM Approved (NOM - 001 - SCFI - 1993) CCC Approved (GB4943, GB9254, GB17625.1)		
Dimensions (W x H x D)		187mm x 113mm x 337mm (Not Including Protrusions)		
Net Weight		3.0kg		

*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 : Lowest Position is the minimum lens shift position Bottom.
*4 : Highest Position is the maximum lens shift position Top.
All specifications are subject to change without notice.

Throwing Distance & Image Size Aspect Ratio 16:9

Screen Size (inch)	HT410				HT510			
	Throw distance		Bottom Height		Throw distance		Bottom Height	
	Width	Tele	Lower lens Shift position	Upper lens Shift position	Width	Tele	Lower lens Shift position	Upper lens Shift position
30	1.1m	1.3m	-6.1cm	12.5cm	0.9m	1.0m	-8.2cm	7.3cm
40	1.4m	1.7m	-8.1cm	16.7cm	1.2m	1.4m	-10.9cm	9.8cm
60	2.2m	2.6m	-12.2cm	25.0cm	1.8m	2.1m	-16.4cm	14.6cm
80	2.9m	3.5m	-16.2cm	33.3cm	2.4m	2.9m	-21.9cm	19.5cm
100	3.6m	4.3m	-20.3cm	41.7cm	3.0m	3.6m	-27.3cm	24.4cm
150	5.5m	6.5m	-30.4cm	62.5cm	4.6m	5.4m	-41.0cm	36.6cm
200	7.3m	8.7m	-40.6cm	83.3cm	6.1m	7.3m	-54.7cm	48.8cm

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



Remote Control



KDLP-0408-141RR

for more information www.nec-pj.com

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