New HT410 and HT510 Home Cinema Projectors

Stylish Entry level DLP projectors designed and tuned for Home Cinema.

Easy set up and true 16:9 widescreen native resolutions

These two stylish Home Cinema projectors offer the easiest set-up possible for home users with automatic keystone correction, vertical lens shift and high level connectivity for TV, DVD, composite and component video, S-video and PC, including a SCART socket. The HT410 and HT510 move away from the traditional metal build with a more consumer friendly shiny plastic casing in a sleek rounded design with soft edges fitting in with the stylish décor of a modern home cinema environment. Both projectors offer 1000 ANSI Lumens of brightness and 1200:1 contrast ratio for strong blacks and whites. The slimline design and light weight (3kgs) together with super quiet operation at only 28db (26db in Eco mode) and video noise reduction, make these new entry level projectors very attractive for the first time home cinema purchase.

HT410

- 1000 ANSI Lumens (800 in Eco mode)
- 16:9 Widescreen VGA resolution (854 x 480 pixels)
- 1200:1 contrast ratio

HT510

- 1000 ANSI Lumens (800 in Eco mode)
- 16:9 Widescreen XGA resolution (1024 x 578 pixels)
- 1200:1 contrast ratio

Main features

- Texas Instruments DLP™ widescreen DMD device
- Slimline design and Lightweight 3kgs
- Super quiet operation 28db (26db in Eco mode)
- Wall colour correction and video noise reduction
- Short throw zoom lens for smaller rooms
- Keystone correction
- Lens shift for easy set-up
- Progressive scan video compatible
- RS232 DIN Connector
- Security functions
- Backlight remote control
- 3 year warranty

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NEC

HT410/510 –
the silent pro for the home.

What is the use of the best Dolby Surround system if the noise of your projector's fan in the background drowns out the subtleties of the dialogue? What is the point of DTS and Home THX if a permanent buzz obscures the gentle background sounds of the forest? With the new HT410/510, NEC has once more set new standards for low-noise home cinema enjoyment. And that is not all! Our youngest member of the family offers the home user a wealth of functions otherwise found only in much more expensive professional units:

Test the new HT410/510 and experience what innovation and added value can mean for your film enjoyment.

For the first time, the HT410, just like its bigger brother the HT510, has a wealth of functions previously reserved for much more expensive professional projectors: in addition to its absolutely daylight-capable projection performance with 1,000 ANSI lumen and a contrast value of 1,200:1, it offers genuine 16:9 projection for more undistorted picture details and a perfect home cinema experience. And all that with a resolution that has to be seen: 854 x 480 (409,920 pixels) with the HT410 or 1,024 x 576 (589,824 pixels) with the HT510.

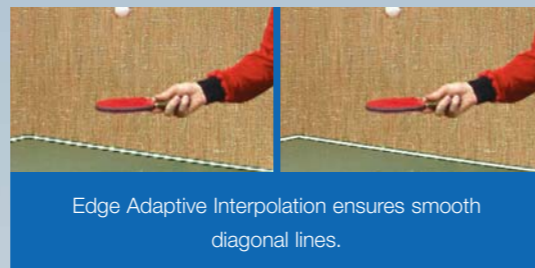**Versatile in use thanks to Lens Shift**
This is otherwise reserved for professional units: with its patented Lens Shift Technology, NEC brings real versatility to your living-room. You can mount the HT410/510 as high or as low as you like – you can still adjust the projection height perfectly to your screen. Whether ceiling mounted or from the coffee table, you can adjust the vertical projection angle continuously to change the height of the picture – with absolutely no distortion, of course!

And there is even more flexibility
With a variable diagonal image size from 76 cm to 508 cm and a projection distance of up to 7.3 m/8.72 m, your HT410/510 is a real "giant among dwarves". But who has a 200" screen at home? Thanks to the unique Wall Colour Correction, you can use this versatile projector anywhere. No matter if you project your picture on a red brick wall or on beige silk wallpaper, your HT410/510 detects the colour of the surface and automatically adjusts the colour balance of your film. Film blood stays red, even on yellow walls, the sea remains invitingly blue, even on a grey outside wall and your favourite star's eyes have never looked as green as they do today!

Intelligent image optimisation by DDP2000
In addition to the brand-new colour correction, this is also ensured by the DDP2000 chip. This chip embodies the fine art of professional video optimisation. Thanks to Motion Adaptive Scan Rate Conversion, even rapid motion sequences, which would blur or lose definition when using conventional projectors, are reproduced razor-sharp and in full detail.

Edge Adaptive Interpolation ensures smooth diagonal lines.

Thanks to Edge Adaptive Noise Reduction, even fine colour gradations, like skin tones, for example, are no longer a problem. And by the intelligent filtering of spurious signals from the moving image, these projectors can reproduce edges and contours in absolute cinema quality – blurred faces are a thing of the past.

But the HT410/510 can do even more:
While most generally available home cinema projectors have a 4-segment colour wheel, an additional yellow segment has been introduced in the HT410/510 to increase the intensity of the yellows in the projected image.

And no matter the source of your image signal, from a DVD player, a video camera, a TV tuner or a PC, the HT410/510 can handle all the common signal formats such as VGA, S-Video, Composite and RGB and provides the right connection for each signal.

Apart from the features which make the HT410/510 a high-performance machine, one thing should not be forgotten: This "small" model is also a real economic miracle!

By use of the power-saving ECO Mode, the service life of the lamp can be extended to up to 3,000 hours.

Naturally, in a unit of this class, great attention is paid to ease of use. Thanks to Plug & Play, you can connect the HT410/510 as soon as it is unpacked and get started immediately. You can select the image source easily with the well laid-out remote control with back-lighting or on the unit itself, just as you wish.

Unheard-of silence! And good looks, too!
It catches the eye as soon as it is unpacked: The HT410/510 not only convinces with its excellent technology, but also with its attractive design. With no corners or sharp edges, it fits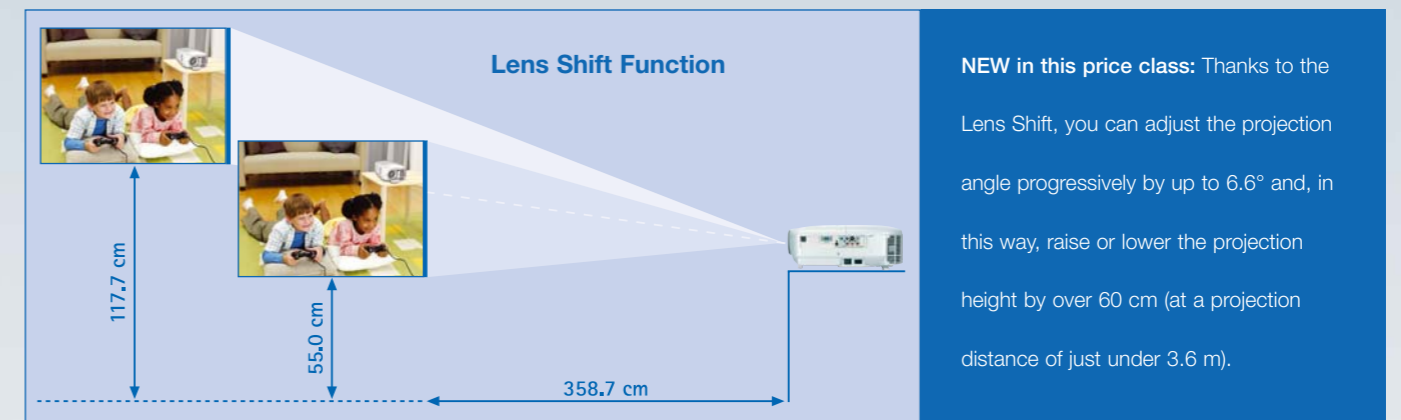 perfectly into your living-room with its fine, pearl-white housing. This also provides it with almost complete protection against dust and other foreign particles such as smoke and pollen. A factor not to be underestimated, even at home.

"You have to see it for yourself ..."
And that has never been truer than for the HT410/510. For you certainly won't be able to hear it! With just 26 dB in ECO and 28 dB in normal mode, this projector is by far the quietest in its class. And in the next one up. And in the class above that.

Enjoy an HT410/510 in your own home – and experience the real silence of the lambs.

Top panel HT410 / HT510

Also new is the integrated Film Reconstruction Mode, which ensures that even detailed areas are precisely reproduced – and this is completely independent of movement or colour gradation. With the HT410/510, you can forget about tiresome flicker and moiré effects.

Lens Shift Function

117.7 cm

55.0 cm

358.7 cm

NEW in this price class: Thanks to the Lens Shift, you can adjust the projection angle progressively by up to 6.6° and, in this way, raise or lower the projection height by over 60 cm (at a projection distance of just under 3.6 m).

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Specifications

	HT410	**HT510**
Optical		
Panel:	0.5 inch DDR DMD (aspect ratio 16:9)	0.6 inch DDR DMD (aspect ratio 16:9)
Resolution:	VGA (854x480 pixels)	XGA (1024 x 768 pixels)
Light Output ANSI Lumens:	1000 (800 Eco mode)	1000 (800 Eco mode)
Lamp:	155W DC (Eco mode 124W)	155W DC (Eco mode 124W)
Lamp Life:	2000H (Normal Mode) 3000H (Eco Mode)	2000H (Normal Mode) 3000H (Eco Mode)
Lens Throw Ratio:	1.63 to 1.94	1.35 to 1.61
Contrast Ratio:	1200:1	1200:1
Image Size:	30 ~ 200inch	30 ~ 200inch
Zoom:	1 to 1.8 Manual	1 to 1.8 Manual
Projection Angle:	6.5 deg to 16.0 deg (Wide) 5.5 deg to 13.6 deg (Tele)	6.5 deg to 16.0 deg (Wide) 5.5 deg to 13.6 deg (Tele)
Keystone Correction Vertical:	Automatic / Manual +/- Max 15 degrees	Automatic / Manual +/- Max 15 degrees
Electrical		
Synchronization Range:	Horizontal 15 to 100kHz (RGB: 24kHz or over) Vertical 50Hz ~ 85Hz	
Inputs:	1 computer / 2 component, 1 video, 1 S-Video	
Video Compatibility:	PAL, NTSC, NTSC 4.43, PAL-60 , PAL-M, PAL-N, SECAM, HDTV	
Computer Compatibility:	SXGA to VGA	SXGA to VGA
Audio:	1 x Audio in	1 x Audio in
Built-in Speakers:	1W Mono aural	1W Mono aural
Fan Noise:	28dB Normal mode, 26dB Eco mode	28dB Normal mode, 26dB Eco mode
Power Requirments:	100 ~ 240V AC, 50 / 60Hz	100 ~ 240V AC, 50 / 60Hz
Power Consumption:	204W / 162W Eco mode / 7 Watts standby	204W / 162W Eco mode / 7 Watts standby
RS 232 Control:	1 Mini DIN 8pin	1 Mini DIN 8pin
Wall Colour Correction:	Yes, Presets	Yes, Presets
Off Timer:	Yes	Yes
Mechanical		
Installation Orientation:	Floor / Front, Floor/Rear, Ceiling / Front, Ceiling / Rear	
Dimensions (W x H x D):	187mm x 113mm 337mm	187mm x 113mm 337mm
Net Weight:	3.0kg	3.0kg
Regulations:	Meets CE EMC Directive (EN55022, EN55024, EN61000-3-2, EN6100-3-3) Meets Low Voltage Directive (EN60950,TUV GS Approved)	
Product/Accessories		
Remote:	Yes	Yes
Power Cable:	Yes 4.5m	Yes 4.5m
Soft Carry Case:	Yes	Yes
User Manual:	Yes (Paper)	Yes (Paper)
AV Connection Kit:	Component video cable, VGA cable, Scart video adapter, S-video cable	

All specifications are subject to change without notice.
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Side connection panel HT410 / HT510

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