■ Specifications

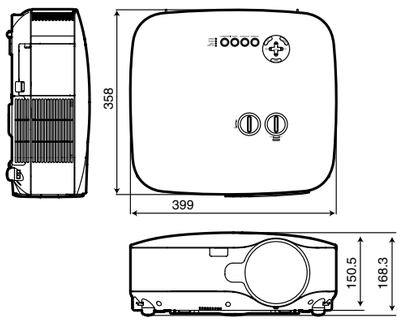
				NP3150	NP2150	NP1150
LCD Panel*1				0.8-inch (1024x768) p-Si TFT active-matrix with MLA (Aspect Ratio4:3)		
Lens		Manual Zoom/ Focus		Throw ratio 1.5-2.0:1, F1.7-2.2, f=24.4-32.5mm (Standard Lens)		
		Manual Shift*2		Horizontal : max±0.1H / Vertical : max+0.5V		
Projection Distance				0.89m to 20.8m (Standard Lens)		
Projection Angle				0 to 14.4deg (Wide) / 0 to 10.8deg (Tele)		
Lamp (Eco Mode)				330W (264W) AC	300W (264W) AC	
Lamp Life*3 (Eco Mode)				2,000H (3,000H)		
Light Output		Normal Mode		5,000 ANSI lumens	4,200 ANSI lumens	3,700 ANSI lumens
		Eco Mode		Approx. 80% of Normal	Approx. 88% of Normal	
Contrast Ratio (White/Black)				600 : 1		
Quietness (Eco Mode)				38dB (31dB)	34dB (30dB)	33dB (30dB)
Image Size (Diagonal)				30inch to 500inch (0.76m to 12.7m) (Standard Lens)		
Maximum Resolution				UXGA 1,600 x 1,200 (1,400 x 1,050 @ 60Hz on DVI-D)		
Synchronization Range		Horizontal		15kHz to 108kHz (RGB : 24kHz or over)		
		Vertical		48Hz to 120Hz		
Video Bandwidth				RGB : 165MHz (Maximum sampling rate)		
Colour Reproduction				Full Colour, 16.7Million Colours Simultaneously		
Input Terminals	3 Computer Input	1 D-Sub Mini 15pin (Computer 1 IN) 1 BNC x 5 (Computer 2 IN)	Compatible signals	VGA, SVGA, XGA, SXGA, SXGA+, UXGA		
			RGB (Analog)	0.7Vp-p/75Ω		
			H/V Sync	4.0Vp-p/TTL Level		
			Composite Sync	4.0Vp-p/TTL Level		
			Sync on G	1.0Vp-p/75Ω(with Sync) Negative Polarity		
		2 Stereo Mini Jack	Stereo L/R	0.5Vrms/22kΩ or over		
		1 DVI-D(Computer 3 IN)	RGB (Digital)	T.M.D.S. Specification, with H.D.C.P. , Max Resolution : SXGA+/60Hz		
		1 Stereo Mini Jack	Stereo L/R	0.5Vrms/22kΩ or over		
	3 Component Input	1 RCA pin x 3 1 D-Sub Mini 15pin (Sharing with Computer 1 IN) 1 BNC x 5 (Sharing with Computer 2 IN)	Y	1.0Vp-p/75Ω(with Sync)		
			Cb•Cr (Pb•Pr)	0.7Vp-p/75Ω		
			Compatible signals	480i, 480p, 720p, 1080i/60Hz, 576i, 576p, 1080i/50Hz		
				DVD Progressive (50/60Hz)		
		1 RCA pin x 2	Stereo L (MONO)/R	0.5Vrms/22kΩ or over		
		Audio Input is Sharing with Computer1&2		Same with Computer		
	1 Video Input	1 RCA pin	Composite Video	NTSC/NTSC4.43/PAL/PAL-N/PAL-M/PAL-60/SECAM		
				1.0Vp-p/75Ω		
		1 RCA pin x 2	Stereo L (MONO)/R	0.5Vrms/22kΩ or over		
	1 S-Video Input	1 Mini DIN-4pin	Y	1.0Vp-p/75Ω		
			C	0.286Vp-p/75Ω		
		Audio Input is Sharing with Video		Same with Video		
Output Terminals	1 Monitor Output	1 D-Sub Mini 15pin		Selected Computer 1•2 or Component Signal		
	1 Audio Output	1 Stereo Mini Jack	Stereo L/R	Variable Output Level		
				Selected Computer1•2•3, Component, Video or S-Video Signal		
Control Terminals	1 USB Port	Type A		USB2.0 High Speed		
	1 LAN Port	RJ-45		100BASE-TX/10BASE-T		
	1 Wireless LAN (USB Port)	Type A		IEEE 802.11b/g (NP01LM1 / NP01LM5)		
	1 REMOTE	Stereo Mini Jack		Wired Remote Control		
	1 PC Control	D-sub 9pin		RS-232C		
Built-In Speaker				5W+5W Stereo		
Keystone Correction		Horizontal		Manual Approx.± Max 40 degrees (Standard Lens)*4		
		Vertical		Manual Approx.± Max 30 degrees (Standard Lens)*4		
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		
Input Current				5.9-2.3A	5.5-2.2A	
Power Consumption		Normal Mode		490W	460W	
		Eco Mode		410W		
		Standby Mode		26W		
Regulations		For United States / Mexico		UL Approved (UL 60950-1), NOM-001-SCFI-1993, 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 (EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3), Meets Low Voltage Directive (EN60950-1, TÜV GS Approved)		
		For Korea		EK(safety : K60950-1, EMC : K00022, K00024, K61000-3-2, K61000-3-3)		
		For China		GB4943, GB9254, GB17625.1		
Dimensions (WxHxD)				399mm x 150.5mm x 358mm (Not Including Protrusions)		
Net Weight				7.3kg		

*1 : LCD Panel technology consists of fine picture cells with more than 99.99% of the cells being active.
*2 : The Lens Shift function is not available for the NP01FL.
*3 : 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.
*4 : 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

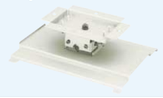
Unit: mm



■ Options

Replacement lamp NP06LP

Ceiling mount kit NP05CM



■ Terminals

■ Remote Control

for more information
www.nec-pj.com

WLPJ-0710-041RR

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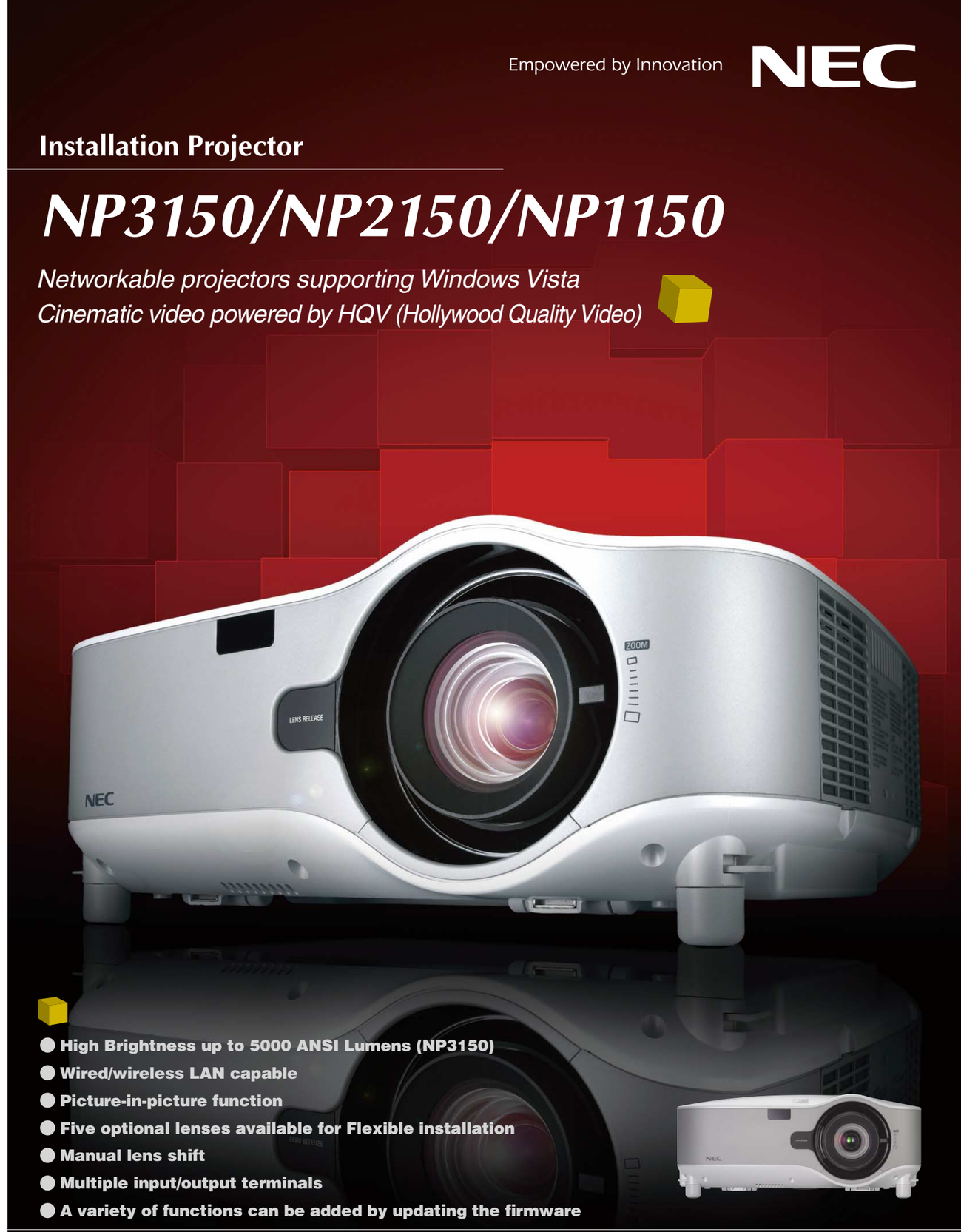
Installation Projector

NP3150/NP2150/NP1150

Networkable projectors supporting Windows Vista
Cinematic video powered by HQV (Hollywood Quality Video)



- **High Brightness up to 5000 ANSI Lumens (NP3150)**
- **Wired/wireless LAN capable**
- **Picture-in-picture function**
- **Five optional lenses available for Flexible installation**
- **Manual lens shift**
- **Multiple input/output terminals**
- **A variety of functions can be added by updating the firmware**

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

NP3150/NP2150/NP1150

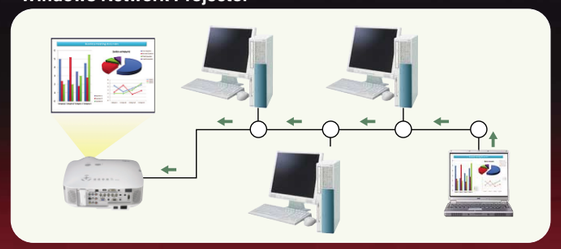
XGA | 5000 ANSI lm NP3150 | 4200 ANSI lm NP2150 | 3700 ANSI lm NP1150 | 7.3kg

High brightness, high performance projector with the latest technology for vivid image quality

Networkable projectors supporting Windows Vista

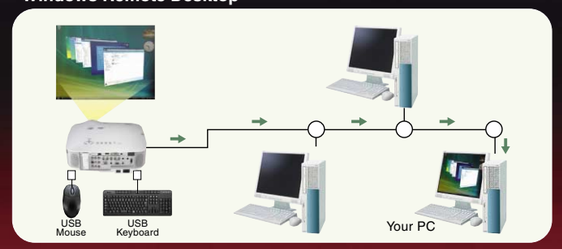
The projectors support "Windows Network Projector" function, which is one of the brand-new features introduced with Windows Vista. You can make presentations from your PC via the network without connecting RGB cable, if your PC is running Windows Vista. You don't need to install any proprietary software application on your PC. Like using a networked printer, you can simply select which projector to use from the list presented on your PC screen. Furthermore, it is possible to remotely operate a PC installed some distance away from the projector via the network by using "Windows Remote Desktop" function.

• Windows Network Projector



A PC connected to LAN automatically detects projectors on the network.

• Windows Remote Desktop



When you connect a USB mouse and keyboard to the projector, you can remotely operate your PC via the network.

**Use a commercially available USB mouse and USB keyboard (US layout version). We do not warrant that the USB port of the projector will support all USB mouse and USB keyboards in the market.*

Cinematic video powered by HQV (Hollywood Quality Video)

HD-like, vidid and crisp DVD images can be projected with the Reon VX video processor using HQV technology from Silicon Optix.
HQV represents an enormous leap in video processing, with true flagship performance in noise reduction, de-interlacing and scaling.

- Random and Mosquito Noise Reduction
- Video and Film Cadence Detection (3:2 and 2:2 pull down)
- Per-pixel Motion Adaptive Deinterlacing
- Detail Enhancement
- Full 10-bit processing, scaling and warping

• 3 : 2 Pull down Detection

Not HQV *HQV*

• Diagonal Interpolation to remove "jaggies"

Not HQV *HQV*

The projector supports wired/wireless LAN

By connecting a LAN cable to the LAN port (RJ-45) on the projector or installing the optional wireless LAN unit on the projector, it is possible to transfer screen images from the PC to the projector more quickly (2 to 3 times faster than conventional models from NEC) for on-screen presentation using Image Express Utility 2.0 software (Windows XP is also available). For a variety of presentations, the projector can be controlled concentrically with a single PC to switch projected images with a single operation or project images from the source PC. Furthermore, it is possible to turn the power of the projector on and off and switch input signals from a PC via the network.

Model name of the optional wireless LAN unit varies depending on the country where the unit is used (or to be used).

NP01LM1: Thailand, China, Hong Kong, Singapore, South Korea, Malaysia, Vietnam, India, Australia, New Zealand, United Arab Emirates, Saudi Arabia, Oman, Peru, Chile, Russia, Indonesia, South Africa, Turkey, Ukraine, Philippines

NP01LM5: Argentina, Brazil, Taiwan

For support in North America, Europe, Japan, and the countries listed above, refer to our website (http://www.nec-pj.com).

Picture-in-picture function

This function projects two different signals simultaneously. The main picture signal supports the COMPUTER 1 and 2 inputs. The sub picture signal supports the VIDEO input only.

An image of picture-in-picture. A sub picture can be displayed either at the top-left, the top-right, the bottom-left, or the bottom right in the main picture.

Five types of optional lenses available for Flexible installation

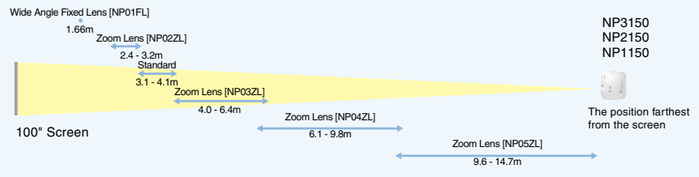
In order to support a variety of Installations, five types of lenses are available in addition to the standard lens. The projector supports screens from 30 to 500 inches; select the optimum lens depending on the specific installation environment, such as conference rooms, halls, and exhibitions. For a 100-inch screen, projection is possible at a distance 1.66 m (Wide Angle Fixed Lens) or between 2.4 m to 14.7 m. Lenses are easily replaced by the customer and do not require special tools.

Model			Standard	NP01FL	NP02ZL	NP03ZL	NP04ZL	NP05ZL
Lens type			Zoom Lens	Wide Angle Fixed Lens	ZoomLens	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			30-500 inch	40-150 inch	30-500 inch	40-500 inch	60-500 inch	60-500 inch
Brightness	NP3150	Normal Mode*	5000 ANSI lm	3700 ANSI lm	4000 ANSI lm	4300 ANSI lm	4200 ANSI lm	4000 ANSI lm
	NP2150	Normal Mode*	4200 ANSI lm	3200 ANSI lm	3400 ANSI lm	3600 ANSI lm	3500 ANSI lm	3400 ANSI lm
	NP1150	Normal Mode*	3700 ANSI lm	3000 ANSI lm	3100 ANSI lm	3300 ANSI lm	3200 ANSI lm	3100 ANSI lm
Lens Shift	Vertical		Max +0.5V	0	Max +0.5V	Max +0.5V	Max +0.5V	Max +0.5V
	Horizontal		Max ±0.1H	0	Max ±0.1H	Max ±0.1H	Max ±0.1H	Max ±0.1H
Weight			0.63 kg	1.1 kg	1.1 kg	1.13 kg	0.89 kg	0.92 kg

* : This is the brightness value when the lamp mode is set to "Normal Mode" and the preset mode is "High brightness mode".
If the lamp mode is switched to "Eco Mode", the brightness will drop about 80% in the NP3150. For the NP2150 and NP1150 to the brightness drops about 88%. If any other mode is selected as the preset mode, brightness may drop slightly.

Projection range of lens (image projected on a 100-inch screen)

Project at a distance 1.66m or between 2.4m to 14.7m (for a 100-inch screen).



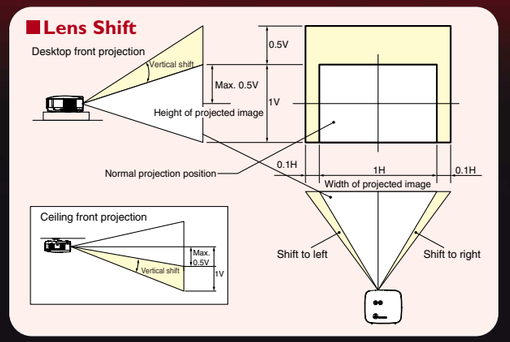
Throwing Distance

Screen Size (inch)	Throwing Distance					
	Standard	NP01FL	NP02ZL	NP03ZL	NP04ZL	NP05ZL
30"	0.9-1.2	–	0.7-0.9	–	–	–
40"	1.2-1.6	0.64	0.9-1.2	1.6-2.5	–	–
60"	1.8-2.5	0.98	1.4-1.9	2.4-3.8	3.6-5.8	5.7-8.8
80"	2.5-3.3	1.32	1.9-2.5	3.2-5.1	4.8-7.8	7.7-11.7
100"	3.1-4.1	1.66	2.4-3.2	4.0-6.4	6.1-9.8	9.6-14.7
120"	3.7-5.0	2.00	2.9-3.8	4.8-7.7	7.3-11.8	11.6-17.7
150"	4.7-6.2	2.50	3.7-4.8	6.0-9.6	9.2-14.8	14.5-22.2
200"	6.2-8.3	–	4.9-6.4	8.1-12.8	12.3-19.7	19.4-29.6
300"	9.4-12.5	–	7.4-9.6	12.2-19.3	18.5-29.7	29.2-44.5
400"	12.5-16.7	–	9.9-12.9	16.2-25.7	24.7-39.6	39.0-59.4
500"	15.7-20.8	–	12.4-16.1	20.3-32.1	30.9-49.5	48.9-74.4

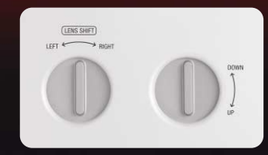
**Stated projection distances are standard values. For a stack installation, the recommended projection distances will be different.*

**The respective values are design values and may contain errors within +/– 5%.*

Manual lens shift for simple adjustment of projected images on screen and Keystone correction



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. Furthermore, Keystone correction corrects distortions in the vertical and horizontal directions up to a maximum +/- 40 degrees in the horizontal direction and a maximum +/- 30 degrees in the vertical direction. Keystone correction can be operated by remote control.



The Lens Shift Dial (Right/Left, Up/Down) on the top side of the projector.

**Shifting the lens to the maximum in two directions combined will cause the edges of the image to become dark or will cause some shadows.*

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

Multiple input/output terminals including DVI (digital) , BNC, and built-in stereo speakers

Multiple input/output terminals include analogue RGB, 5-core BNC, DVI (digital), video, and S-video. (The analogue RGB and BNC also support component inputs.) The 5W+5W stereo speakers are built in to provide audiovisual conditions with high image and audio qualities. Furthermore, the Viewer feature allows you to view slides stored on a USB memory on the projector. Even if no computer is available, presentations can be conducted simply with the projector.

**To use the Viewer, first you need to create presentation materials on your PC (JPEG, BMP, GIF, PNG). Use commercially available USB memory devices. We do not warrant that the USB port of the projector will support all USB memory devices in the market.*

A variety of functions can be added by updating the firmware of the projector (scheduled for Spring 2008)

- Geometric Correction tool
- PJ Link
- AMX
- Program Timer