

Specifications

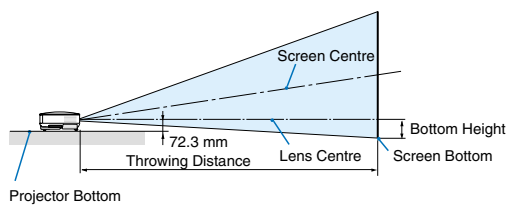
		NP901W		
LCD Panel ¹		0.56 inch (1280x800) LCD with Micro Lens Array (Aspect Ratio 16:10)		
Lens		Manual Zoom / Focus		
Zoom ratio		1 to 1.2, Throw ratio 1.5-1.8:1, F1.7-1.9, f=17.7-21.3mm		
Projection Distance		0.7m to 11m		
Projection Angle		10.7 to 11.2deg (Wide) / 8.9 to 9.3deg (Tele)		
Lamp (Eco Mode)		210W (172W) AC		
Lamp Life ² (Eco Mode)		2500H (3500H)		
Light Output (Eco Mode)		2000 ANSI lumens (Approx.80% of Normal)		
Contrast Ratio (White/Black)		400:1		
Quietness (Eco Mode)		35dB (29dB)		
Image Size		20inch to 300inch		
Maximum Resolution		Analog : UXGA (1600 x 1200) / Digital : SXGA+ (1400 x 1050)		
Synchronization Range		Horizontal 15KHz to 108kHz (RGB : 24kHz or over)		
		Vertical 48Hz to 120Hz		
Video Bandwidth		Analog : 165MHz (Max) / Digital : 150MHz (Max)		
Colour Reproduction		10-bit signal processing (1.07 billion)		
Input Terminals	2 Computer / Component Input	2 D-Sub Mini 15pin	Compatible signals	VGA/SVGA/XGA/WXGA/WXGA+/SXGA/SXGA+/UXGA, 480p/576p/720p/1080i/1080p
			RGB (Analog)	0.7Vp-p/75Ω
			H/V Sync	TTL Level / 1kΩ or over
			Composite Sync	TTL Level / 1kΩ or over
			Sync on G	1.0Vp-p/75Ω(with Sync) Negative Polarity
	1 HDMI input	1 HDMI 19pin	Compatible signals	VGA/SVGA/XGA/WXGA/WXGA+/SXGA/SXGA+, 480p/576p/720p/1080i/1080p
			RGB / Component (Digital)	HDMI(V.1.3 with Deep Colour, Lip Sync), T.M.D.S. Specification with H.D.C.P.
			HDMI support audio	Audio format : LPCM Number of channel : 2ch Sampling Frequency : 32/44.1/48kHz Sampling bit : 16/20/24-bit
			Composite Video	NTSC/NTSC4.43/PAL/PAL-N/PAL-M/PAL-60/SECAM
1 Video Input	1 RCA pin	Composite Video	Selected Computer 1 or 2 Signal Variable Output Level	
		Stereo L (MONO) / R	0.5Vrms/22kΩ or over	
		Y	1.0Vp-p/75Ω	
		C	0.286Vp-p/75Ω	
1 S-Video Input	1 Mini DIN-4pin	Stereo L (MONO) / R	0.5Vrms/22kΩ or over	
1 RGB Output	1 D-Sub Mini 15pin		Selected Computer 1 or 2 Signal Variable Output Level	
1 Audio Output	1 Stereo Mini Jack	Stereo L / R	Selected Computer1, Computer2, HDMI(Computer2 input), Video, S-Video Signal	
2 USB Port	Type A		USB2.0 (for Mouse, Keyboard, Memory / for Wireless LAN unit only)	
1 Wired LAN Port	RJ-45		IEEE 802.3/802.3u 10BASE-T/100BASE-TX	
1 Wireless LAN (USB Port)	Type A		IEEE 802.11b/g (NP01LM1 / NP01LM5)	
1 PC Control	D-sub 9pin		RS-232C	
Built-In Speaker		5W Monaural		
Keystone Correction	Horizontal	Manual Approx. ± Max 40 degrees (Less than XGA resolution, aspect 4:3)		
	Vertical	Auto/Manual Approx. ± Max 30 degrees		
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		3.7-1.5A		
Power Consumption	Normal Mode	310W		
	Eco Mode	260W		
	Standby Mode (Power-save Mode)	18W (3W)		
Heat Dissipation		1055BTU (MAX)		
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)		
Dimensions (WxHxD)		310mm x 125mm x 289mm (Not Including Protrusions)		
Net Weight		3.7kg		

*1 : LCD Panel 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 does not refer to the warranty period for the lamp.

All specifications are subject to change without notice.

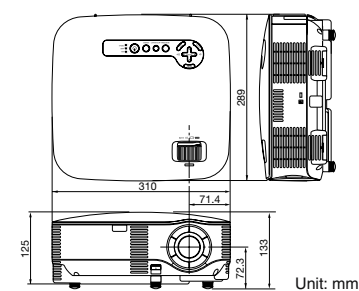
Throwing Distance and Image Size



Screen Size (inch)	Throwing distance (m)		Bottom Height (cm)
	Wide	Tele	
20	-	0.72	2.0
25	0.75	0.90	2.0
30	0.90	1.09	3.0
40	1.21	1.46	4.0
60	1.84	2.21	5.0
80	2.46	2.96	7.0
100	3.08	3.70	9.0
120	3.70	4.45	11.0
150	4.64	5.57	13.0
180	5.57	6.69	16.0
200	6.19	7.44	18.0
240	7.44	8.93	21.0
300	9.31	11.18	27.0

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

Dimensions



Unit: mm

Terminal Panel



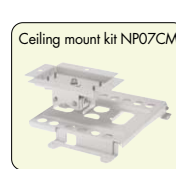
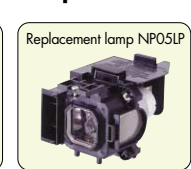
Remote Control



Soft Case



Options



WLPJ-0806-091RR

for more information
www.nec-display.com/ap

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Wide Panel Portable Projector

NP901W

The bright, multi-function LCD projector includes LAN support and a widescreen WXGA panel (1280 x 800) for effective, impressive presentations for conferences and educational seminars



- WXGA panel for wide-format images (1280 x 800)
- Networkable projectors supporting Windows Vista
- Cinematic video powered by HQV (Hollywood Quality Video)
- Wired/wireless LAN
- Picture-in-Picture and Side-by-Side function
- Closed Caption supported
- Direct USB Input - Supporting Video Playback
- HDMI connector is employed

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

Portable Projector NP901W



WXGA
(1280 x 800)

2000 ANSI lm

3.7kg

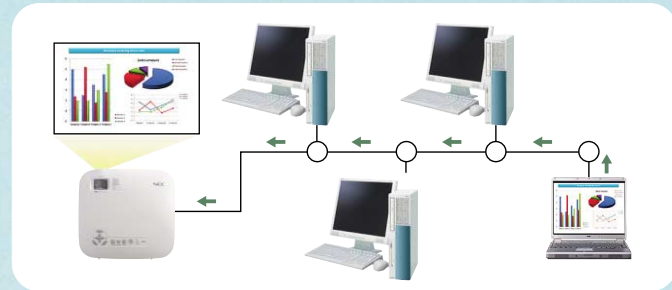
WXGA panel for wide-format images

The projector's WXGA panel (1280 x 800) displays the same wide-format WXGA resolution images such as laptop computers and DVDs.

Network projectors supported under Windows Vista

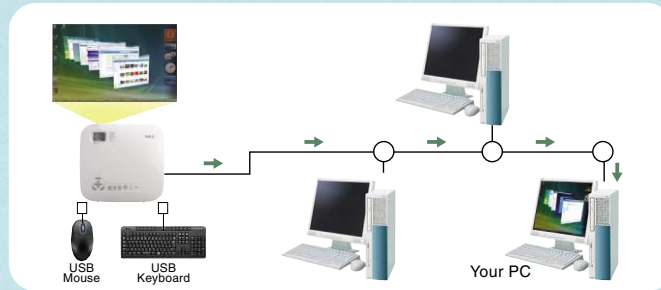
The projectors support the Windows Network Projector function, which is one of the brand-new features introduced with Windows Vista. You can make presentations from your PC via the network without connecting with an RGB cable, if your PC is running Windows Vista. You don't need to install any proprietary software on your PC. Like using a networked printer, you can simply select which projector to use from the list 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, vivid 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 for on-screen presentation using Image Express Utility 2.0 software (available for Windows Vista/XP/2000). This projector can change presenters with a single operation. The person who wants to speak can send images from the PC to the projector just by clicking the 'Become a Presenter' button. Furthermore, for a presentation in a large conference room, participants can confirm details of the projected images, such as small characters, etc., with their own PCs. A presenter can distribute files or documents used in the presentation through the network. And 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 will 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, Taiwan

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



Optional Wireless LAN unit

Picture-in-Picture and Side-by-Side function for projecting two screens simultaneously

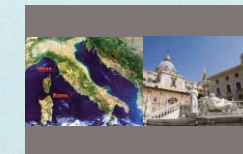
Project two images simultaneously from a single projector. With picture-in-picture, a sub picture can be displayed either at the top-left, the top-right, the bottom-left, or the bottom right in the main picture. (The picture size is fixed.) With the Side-by-side function, display the main picture as fixed on the left side of the screen; it is impossible to exchange content between the main and sub pictures.

* Signals input through the Computer 1 or Computer 2 terminal can be projected as the main picture only. Signals input through the Video or S-Video terminal can be projected as the sub picture only.

Picture-in-picture function



Side-by-side function



Closed Caption

If the closed caption signals are included in the video signals or the S-Video signals, the audio data can be displayed on screen as captions.

Remote Mouse Operation

You can use the supplied wireless remote control and the supplied remote mouse receiver to control your PC from across the room. The supplied remote mouse receiver supports almost any PC with a USB connection.

NP01MR(Optional)



Auto Vertical Keystone Correction

The projector will automatically detect and correct vertical inclination and trapezoidal distortions. The angle is adjustable vertically within a range of about +/-30 degrees from the projected angle.



Wall Colour Correction

Colour correction is employed for projecting images on a coloured wall or a blackboard, so that the colour tone of the projected images can be approximated to the tone that is projected on a white screen. The following eight colour options are available: blackboard, blackboard (grey), light yellow, light green, light blue, sky blue, light rose, and pink.



Multiple input/output terminals

The HDMI connector and terminals for analog RGB, video, and S-Video are available in the standard configuration. Reproduce more vivid images by using the HDMI connector to connect the projector to a PC or a digital broadcast tuner. Furthermore, the 5W monaural speaker is built in to provide audiovisual conditions with high image and audio qualities.

Direct USB Input - Supporting Video Playback

Using the viewer function, project images or motion pictures saved on a USB memory device.

* Compatible file formats are JPEG, BMP, PNG, or GIF.

* Compatible motion picture file formats is MPG (MPEG2). The video format (compressed playback method) is MPEG2 MP@ML, and the audio format (compressed playback method) is MPEG-1 Layer 1 and 2.

* Some kinds of USB memory devices may not be compatible with the USB port on this projector.

3D Reform function

With the 3D Reform function, it is possible to correct trapezoidal distortion manually by clicking the four corners of the projected image with a USB mouse or remote control to project square images.



Geometric Correction tool

Project square images on special-shaped screens, like cylindrical or spherical surfaces, by installing the dedicated tool on a PC and using the geometric correction function.

The power can be controlled intensively with Auto Start and Direct Power Off

The NP901W starts projecting images automatically when electric power is supplied. Turn off the power source with a switch or a circuit breaker while projecting images or running the fan. With these functions, it is possible to completely control the power of the projector with the power distribution board.

Multi-Screen Compensation Function

When multiple projectors are aligned to project images simultaneously, it is possible to adjust the brightness, contrast, and tone of the respective projectors by setting one of them as the standard unit, so that images projected from the respective projectors appear more equal and uniform.

DICOM Simulation Mode

Since the projector is equipped with the DICOM SIM. mode, it can project images with the quality settings approximating the DICOM standards currently used in the medical industry.

* DICOM SIM. on this projector is a setting for adjusting images to approximate the DICOM standards and may not project images properly. Therefore, DICOM SIM. must be used for educational purposes only and should not be used for actual medical diagnosis.

* "DICOM" of "DICOM SIM." is the name for global standards used in saving and communicating images for medical use. This standard is applicable to a variety of different medical examinations, such as the computed tomography (CT), magnetic resonance imaging (MRI), and the endoscopy.

