Portable Projector

LT380/LT280

High brightness, multi function LCD projector with LAN support provides effective, impressive presentations for conferences and educational seminars

- ● **Lightweight: 3.5 kg**
- ● **High brightness: 3000 ANSI lumens (LT380),**
  2500 ANSI lumens (LT280)
- ● **XGA (1024 x 768 dots) resolution**
- ● **Automatic Vertical Keystone Correction and**
  3D Reform function
- ● **Wall Colour Correction**
- ● **High-Speed Wireless & Wired LAN Capability**
- ● **Security functions**

Impress and Express with Big Screen Solutions from NEC

LT380/LT280

LAN | **3000** ANSI lm LT380 | **Multi Function**
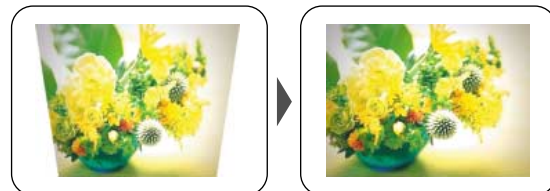
High brightness

Although it has a highly transportable, lightweight body weigning 3.5 kg, it achieves high brightness of 3000 ANSI lumens, which is sufficient for use in a bright room. (This is for the LT380. The brightness is 2500 ANSI lumens for the LT280.)

Automatic Vertical Keystone Correction and 3D Reform function

If the position of the screen is too high or low, the projector must be installed at an angle, resulting in trapezoidal distortion of the projected images. The acceleration sensor built into the main unit senses the inclination of the unit in the vertical direction and then corrects for any trapezoidal distortion in the projected images automatically (+/- 40 degrees from the projection angle). The user can set up the projector very quickly and easily since it is not necessary to correct it manually. With the 3D Reform function, it is also possible to correct trapezoidal distortion manually by clicking the four corners of the projected image with a mouse connected to the main unit to project square images.

Automatic Vertical Keystone Correction

3D Reform function

Wall Colour Correction

Without a screen, the projected images may be affected by the colours of the wall or blackboard. This projector has built-in colour correction for projecting images on a coloured wall or blackboard, so that the colour tones of the projected images can be approximated to those projected on a white screen. The following eight colour options are available as user selections: blackboard, blackboard (gray), light yellow, light green, light blue, sky blue, light rose and pink.

High-Speed Wireless LAN (IEEE802.11b/g) and Wired LAN (RJ-45 10BASE-T/100BASE-TX) Capability

Images on the PC display can be projected without a connecting cable by installing Image Express Utility 2.0 (IEU 2.0) on the PC as well as loading the wireless LAN card (option) on the projector respectively. IEU 2.0 is dedicated software that is attached to the projector. The projectors support IEEE802.11g in addition to the ordinary IEEE802.11b. Smoother image projection has been achieved by the unique compression method developed by NEC. The projectors support wired LAN with an integrated RJ-45 connector.

Low Noise 35/30 dB

By selecting the power saving "Lamp Eco Mode", power consumption can be saved and noise level can be reduced to 30 dB, so that the user can hold conferences or classes in a quiet environment without noises from the fan (35 dB in normal use).

Security function prevents unauthorized use or theft

By using passwords, the projector cannot be used by unauthorized persons. Once the security function is in effect, a message requesting the password is displayed when the power of the main unit is turned on. It is impossible to project an image unless the proper password is entered.
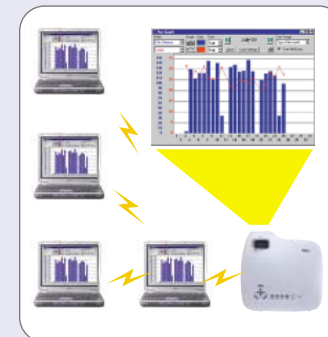

Wireless LAN functions

High-speed, high-quality image transfer in a wireless environment by Image Express Utility 2.0 (Ver. 2.0)

A presenter (a PC transmitting images to the projector) can be switched

With an ordinary projector, it is necessary to reconnect the RGB cables when the presenter changes. Conversely, this projector can change presenters with a single operation. The person who wants to speak can send images from his/her PC to the projector just by clicking the "Become a Presenter" button.

Images transmitted from a PC to the Projector can be monitored with other PCs

A presenter can transmit images to not only the projector but also participants' PCs. 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.

Extend supported network form

Supporting a meeting over multiple segments

With Image Express Utility 2.0 (Ver. 2.0), it is possible to conduct meetings over segments and across different networks. Since the projector supports a variety of network configurations, it can easily be introduced into environments where networks have already been constructed.

The Automatic Search function searches for network projectors

Even if the desired projector is on another network, it can be found with the Automatic Search function.
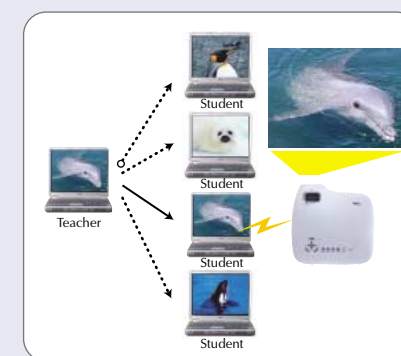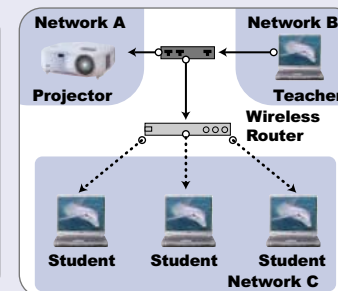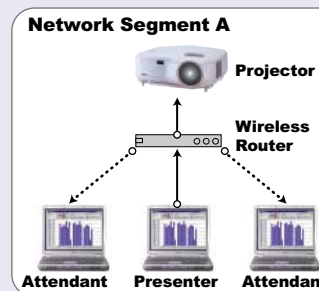
Projected images can be stored in memory and notes can be added in a text field.

In addition to viewing the projected images on your own PC, you can also store the images on your PC. Since some margin space is available, you can take notes or provide the minutes of a meeting.

Training mode

An administrator (a teacher) can switch images on the participants' (students') PCs to be projected on a screen. With the Training mode, a single PC can control PCs that project images onto a screen. You can switch the PCs that project image or pause communication with the projector.

Student
Student
Teacher
Student
Student

Image Express Utility 2.0 (Ver. 1.0) of the previous version
"Meeting" is available in the same network.

Image Express Utility 2.0 (Ver. 2.0) of the new version attached to the current models
"Meeting" is available over network segment.

Network Segment A
Projector
Wireless Router
Attendant   Presenter   Attendant

Network A   Network B
Projector   Teacher
Wireless Router
Student   Student   Student
Network C

Multiple IN/OUT terminals

The projector is equipped with a number of input/output terminals, including component (RCA) and a PC card slot (for viewing digital images such as JPEG and BMP) as well as DVI-D* to support a variety of image sources.
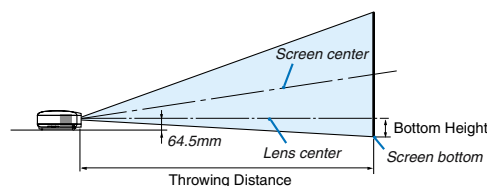
*DVI-D : LT380 only

LT380

Impress and Express with Big Screen Solutions from NEC

■ Specifications

			LT380	LT280
LCD Panel*1			0.8-inch (1,024x768) p-Si TFT LCDx3 active-matrix with MLA Aspect Ratio4 : 3	0.7-inch (1,024x768) p-Si TFT LCDx3 active-matrix with MLA Aspect Ratio4 : 3
Lens		Zoom	Manual Zoom Ratio : 1 to 1.2	
		Focus	Manual Focus (F=1.7 to 2.0) (f=24.2mm to 29.0mm)	Manual Focus (F=1.7 to 2.0) (f=21.6mm to 25.9mm)
Projection Distance			0.71m to 10.9m (Tele) 0.69m to 9.0m (Wide)	0.72m to 10.9m (Tele) 0.71m to 9.0m (Wide)
Projection Angle			10.3° to 11.2°(Wide) / 8.5° to 9.2°(Tele)	11.5° to 12.1°(Wide) / 9.5° to 10.0°(Tele)
Lamp		Normal Mode	200W DC	
		Eco Mode	152W	
Lamp Life*2		Normal Mode	2,000H	
		Eco Mode	3,000H	
Light Output		Normal Mode	3,000 ANSI lumens	2,500 ANSI lumens
		Eco Mode	2,200 ANSI lumens	1,900 ANSI lumens
Contrast Ratio (White/Black)			600 : 1	
Computer Input			3 Input (2 D-Sub Mini 15pin, DVI-D)	2 Input (2 D-Sub Mini 15pin)
Quietness		Normal Mode	35 dB	
		Eco Mode	30 dB	
Net Weight			Approx. 3.5 kg	
Image Size			21inch to 300inch (0.53m to 7.62m) diagonal	
Maximum Resolution			UXGA (1,600 x 1,200) with Advanced AccuBlend	
Synchronization Range	Horizontal		15kHz to 100kHz (RGB: 24kHz or over)	
	Vertical		48Hz to 120Hz	
Video Bandwidth			RGB: 100MHz	
Colour Reproduction			Full Colour, 16.7 Million Colours Simultaneously	
Input Terminals	3 Computer Input	1 DVI-D (LT380 Only & Not With Audio)	T.M.D.S Specification, Max Resolution: SXGA @60Hz	
		2 D-Sub Mini 15pin — RGBHV	VGA, SVGA, XGA, 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 Stereo Mini Jack [Sharing With Computer 1,2&3 (3:LT380 only) Input] — Stereo L/R	0.5Vrms/22kΩ or over	
	3 Component Input	3 RCA pin (Green,Blue,Red) — Y	Green(Y) is Also Available for Video Input 1.0Vp-p/75Ω(With Sync)	
		2 D-Sub Mini 15pin (Sharing With Computer 1,2&3 Input) — Cb · Cr (Pb · Pr)	0.7Vp-p/75Ω	
		Compatible signals	525p(480p), 525i(480i)/60Hz 1125i(1080i), 625i(576i)/50Hz, Progressive PAL-scan/50Hz DVD Component Video Signal (15kHz)	
		2 RCA pin — Stereo L(MONO)/R	0.5Vrms/22kΩ or over	
	2 Video Input	2 RCA pin Yellow / Green — Composite Video	NTSC/NTSC4.43/PAL/PAL-N/PAL-M/PAL-60/SECAM 1.0Vp-p/75Ω	
		Audio Input is Sharing With Component	Same With Component	
	1 S-Video Input	Mini DIN-4pin — Y	1.0Vp-p/75Ω	
		C	0.286Vp-p/75Ω	
		Audio Input is Sharing With Component	Same With Component	
	1 PC-Card Slot	PC-Card	PCMCIA Type Ⅱ	
		Wirless LAN-Card	IEEE802.11b/g Used Image Express Utility 2.0	
	1 LAN Port	RJ-45	100BASE-TX/10BASE-T, Used Image Express Utility 2.0	
Output Terminals	Monitor Output	D-Sub Mini 15pin	Selected Computer 1, 2 & Component Input Source Signal Output	
	Audio Output	Stereo Mini Jack — Stereo L(MONO)/R	Variable Output Level Selected Computer 1, 2 & 3 (LT380 only), Component, Video, S-Video With Audio Signal Output	
Control Terminals	USB Port	Type A	Ver 1.1	
	PC Control	D-sub 9pin	RS-232C	
Built-In Speaker			1W Monaural	
Cornerstone Correction	Horizontal		Approx. ± Max 35 degrees (Less than XGA resolution, aspect 4:3)	
	Vertical		± Max 40 degrees	
Keystone Correction	Horizontal		Manual Approx. ± Max 27 degrees (Less than XGA resolution, aspect 4:3)	
	Vertical		Automatic/Manual ± Max 40 degrees	
Environment	Operational Temperatures		5°C to 40°C, (Eco mode selected automatically at 35°C to 40°C, operational temperatures during use of wireless LAN card: 5°C to 35°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			3.3A to 1.4A	
Power Consumption			292W/230W(Eco Mode)/16W(Standby Mode)/10W(Power Save Mode)	
Regulations	For United States		UL Approved (UL 60950-1), Meets FCC Class B Requirements	
	For Canada		UL Approved (CSA 60950-1), Meets DOC Canada Class B Requirements	
	For Australia/New Zealand		Meets AS/NZS CISPR.22 Class B	
	For Europe		Meets EMC Directive (EN55022, EN55024, EN61000-3-2, EN61000-3-3), Meets Low Voltage Directive (EN60950-1, TUV GS Approved)	
Dimensions (WxHxD)			294mm x 120mm x 288mm (Not Including Protrusions)	

*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 dose not refer to the warranty period for the lamp.
All specifications are subject to change without notice.

■ Throwing Distance and Image Size

Screen center
Bottom Height
64.5mm
Lens center
Screen bottom
Throwing Distance

LT380

Screen Size (inch)	Throwing distance Wide	Tele	Bottom Height
30	0.9m	1.0m	64mm
40	1.2m	1.4m	86mm
60	1.8m	2.1m	129mm
80	2.4m	2.8m	171mm
100	3.0m	3.6m	214mm
120	3.6m	4.3m	257mm
150	4.5m	5.4m	322mm
200	6.0m	7.2m	429mm
300	9.1m	10.9m	643mm

LT280

Screen Size (inch)	Throwing distance Wide	Tele	Bottom Height
30	0.9m	1.0m	47mm
40	1.2m	1.4m	62mm
60	1.8m	2.1m	93mm
80	2.4m	2.8m	125mm
100	3.0m	3.5m	156mm
120	3.6m	4.3m	187mm
150	4.5m	5.4m	234mm
200	6.0m	7.2m	311mm
300	9.0m	10.8m	467mm

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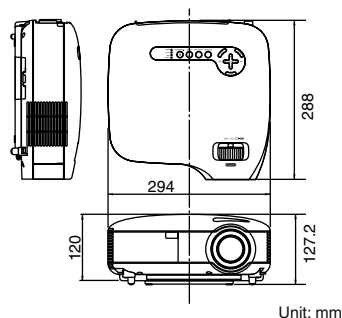
■ Terminal Panel

LT380

LT280

■ Remote Control

■ Dimensions

288
294
120
127.2
Unit: mm

■ Soft Case
(basic accessory)

■ Options

Replacement lamp VT75LP

Wireless LAN Card

NWL-100A : For North America & Mexico, Taiwan.
NWL-100E : For Europe, Asia, Australia & New Zealand.

(For details, refer to the NEC website)
http://www.nec-pj.com

KEKI-0509-171RR

for more information
www.nec-pj.com

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