\Orchestrating a brighter world

NEC

A multipurpose professional LCD projector
for business and education

P554U / P474U / P554W
P474W / P604X / P603X

HDBaseT™

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

Hold successful in meetings and classes with high resolution and high performance through NEC LCD projectors

High Resolution up to WUXGA*

High resolution display - up to WUXGA compatible, WUXGA (P554U/P474U) / WXGA (P554W/P474W) and XGA (P604X/P603X) native resolution.
An image with higher or lower resolution than the projector's native resolution (P554W/P474W: 1,280 × 800 / P604X/P603X: 1,024 × 768) is displayed with Advanced AccuBlend.

Low TCO - Improved a Power Consumption and Longer Lamp Life

Select from Four Lamp Modes for Suitable Usage

ECO MODE (NORMAL and ECO) increases lamp life up to 8,000 hours, lowering power consumption and cutting down on CO_2 emissions. There are four brightness modes: "OFF", "AUTO ECO", "NORMAL" and "ECO" modes.

[ECO MODE]	Description
[OFF]	Lamp brightness is 100%.
[AUTO ECO]	Lamp power consumption is controlled between [OFF] and [NORMAL] automatically according to picture level NOTE: A bright gradation may be less visible depending on the image.
[NORMAL]	Lamp power consumption: approx. 80% brightness on P554U/P554W/P604X/P603X and approx. 86% on P474U/P474W The lamp life is extended by lowering the lamp power.
[ECO]	Lamp power consumption: approx. 60% brightness on P554U/P554W/P604X/P603X and approx. 65% on P474U/P474W The lamp life is longer than with NORMAL mode because power is controlled appropriately for the lamp. The maximum power is equivalent to power in NORMAL mode.

Carbon Meter

The amount of CO_2 emission reduction is displayed in the confirmation message when the power is switched off and in the INFO section of the on-screen menu.

Energy Saving Technology

Selecting "NORMAL" for "STANDBY MODE" from the menu puts the projector in power-saving mode that consumes only 0.14 W* (100 – 130 V AC) / 0.17 W** (200 – 240 V AC).

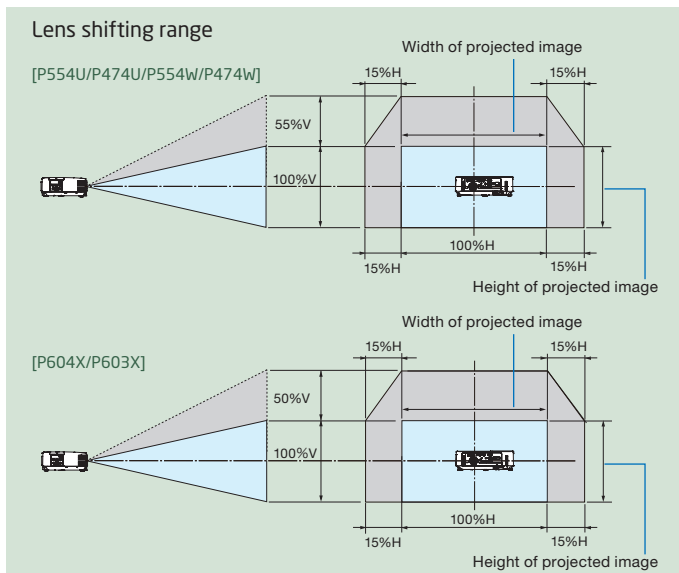* P554W/P474W/P604X/P603X: 0.16W ** P554W/P474W/P604X/P603X: 0.2W

Easy Installation by Keystone Correction, Lens Shift and 1.6x Optical Zoom*

Easily Adjustment of the Position of the Projected Image

A vertical and horizontal lens shift mechanism offers installation flexibility. Manual lens shift can be adjusted by turning the dials on the top of the projector. The wide 1.6× optical zoom*, horizontal/vertical lens shift and keystone correction allow flexible settings in various locations.
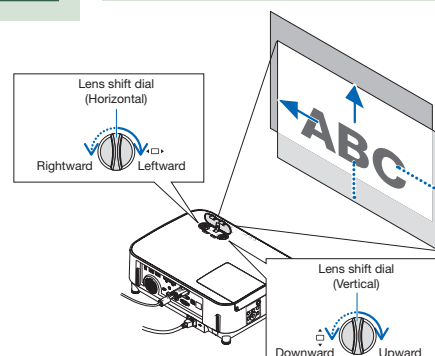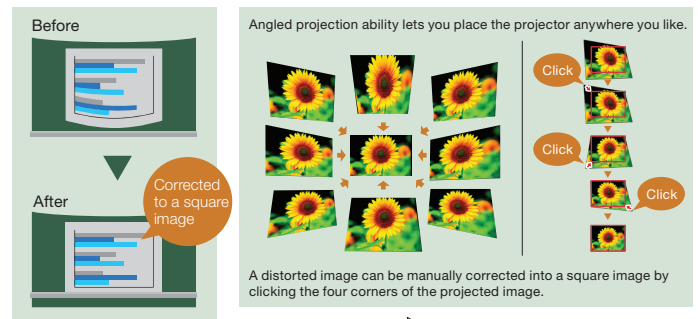* P554U/P474U, P554W/P474W/P604X/P603X are 1.7× optical zoom

Lens shifting range

[P554U/P474U/P554W/P474W]
Width of projected image
15%H | 15%H
55%V
100%V
100%H
15%H | 15%H
Height of projected image

[P604X/P603X]
Width of projected image
15%H | 15%H
50%V
100%V
100%H
15%H | 15%H
Height of projected image

Cornerstone and Pincushion Correction Function

Cornerstone uses 4-point corner to correct keystone distortion.
Pincushion correction is available for curved boards.

Before

After

Corrected to a square image

Angled projection ability lets you place the projector anywhere you like.

Click
Click
Click

A distorted image can be manually corrected into a square image by clicking the four corners of the projected image.

Lens shift dial (Horizontal)
Rightward | Leftward

Lens shift dial (Vertical)
Downward | Upward

Quick and Auto Function for Ease of Use

Quick Start, Quick Power Off and Direct Power Off

Six seconds*[1] after turning on the power, the projector is ready to display PC or video images. The projector can be put away immediately after the projector is powered down. The "Direct Power Off" feature allows the projector to be turned off (even when projecting an image) by using the main power switch or disconnecting the AC power supply.

* To turn off the AC power supply when the projector is powered on, use a power strip equipped with a switch and a breaker.

*[1] The quick start time is available when [STANDBY MODE] is set to [NETWORK STANDBY] in the on-screen menu.

Auto Power On and Auto Power Off

The DIRECT POWER ON, AUTO POWER ON, AUTO POWER OFF, and OFF TIMER features eliminate the need to always use the POWER button on the remote control or projector cabinet. Auto power-on via the HDMI 1, HDMI 2 and COMPUTER input terminals occurs when a signal is detected from a computer. Power management automatically turns off the projector when an incoming signal is not detected from any of the inputs. An off-timer can be set to automatically turn off the projector at set countdown times.

A variety of Input/Output Terminals Including HDMI, HDBaseT* and Network Function

* excluding the P603X

Built-in HDBaseT Support

Simplify your installations with HDBaseT, which is optimised for video applications and supports uncompressed Full HD digital video, audio and various control signals. With only a single cable (up to 100 m) to run, infrastructure and labour costs are reduced, installations are significantly easier, and there is no cable clutter to manage. With uncompressed HD video support, images have never been more stunning. What is more, the control signals are contained in the same cable.

Wired / Wireless LAN

An integrated RJ-45 terminal for wired networking capability is provided along with wireless networking capabilities. An RJ-45 terminal is available as standard. If you use the optional USB Wireless LAN Unit (NP05LM series) and connect to a network, you can project an image on a PC, smartphone or tablet.
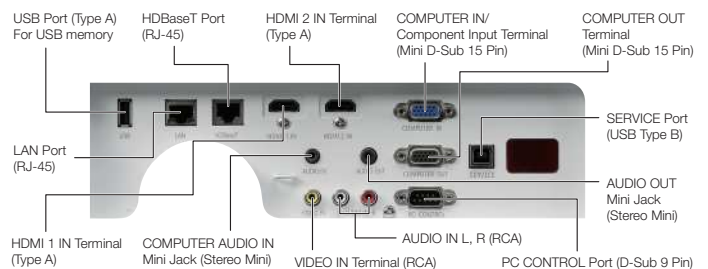
Dual HDMI Inputs

Among the P554U series' wide selection of inputs is HDMI with HDCP for connecting to high-definition sources such as Blu-ray players, cable boxes, satellite receivers and personal computers.

Terminals (P554U/P474U/P554W/P474W/P604X)

USB Port (Type A) For USB memory
HDBaseT Port (RJ-45)
HDMI 2 IN Terminal (Type A)
COMPUTER IN/ Component Input Terminal (Mini D-Sub 15 Pin)
COMPUTER OUT Terminal (Mini D-Sub 15 Pin)
LAN Port (RJ-45)
SERVICE Port (USB Type B)
AUDIO OUT Mini Jack (Stereo Mini)
HDMI 1 IN Terminal (Type A)
COMPUTER AUDIO IN Mini Jack (Stereo Mini)
VIDEO IN Terminal (RCA)
AUDIO IN L, R (RCA)
PC CONTROL Port (D-Sub 9 Pin)

Convenient Utility Software (User Support Software)

Support of NaViSet Administrator 2, Virtual Remote Tool

NaViSet Administrator 2 helps you control the projector by a computer via wired LAN connection. Virtual Remote Tool helps you perform operations by a virtual remote control such as switching the power on or off and selecting a signal for the projector via a wired LAN connection. Moreover, it can send an image to the projector and register it as the logo data.

Please visit our web site to download each software product. URL: http://www.nec-display.com/dl/en/index.html

NaViSet Administrator 2

Other Useful Functions and Features

- **Remote control with Control ID**
  - The supplied remote control allows you to assign a CONTROL ID to the projector.
  - The included remote control has a control ID registration function, which allows operation of multiple projectors with a single remote.
- **CRESTRON ROOMVIEW and Extron XTP compatibility**
  - The projector supports CRESTRON ROOMVIEW and Extron XTP, allowing multiple devices connected to a network to be managed and controlled from a computer
  - Moreover, it enables output and control of an image via an Extron XTP transmitter connected to the projector.
- **Wall colour correction for vivid images even without a screen**
- **DICOM simulation**
- **Security bar / kensington lock / control panel lock and password lock**
- **More smart connections with the MultiPresenter Stick**
  - This new P series can supply the MultiPresenter Stick power via USB
- **USB port for viewer function**

- No-signal guidance is available for easy cable connections.
- A powerful 20 watt monaural speaker provides the volume needed for large rooms.

P554U
| 5,300 lumens 5,600 centre lumens | WUXGA | 4.8 kg |

P474U
| 4,700 lumens 5,000 centre lumens | WUXGA | 4.8 kg |

P554W
| 5,500 lumens 6,000 centre lumens | WXGA | 4.7 kg |

P474W
| 4,700 lumens 5,200 centre lumens | WXGA | 4.7 kg |

P604X
| 6,000 lumens 6,300 centre lumens | XGA | 4.7 kg |

P603X
| 6,000 lumens 6,300 centre lumens | XGA | 4.7 kg |

Specifications

Model	NP-P554U	NP-P474U	NP-P554W	NP-P474W	NP-P604X	NP-P603X
Method	Three primary colour liquid crystal shutter projection					
Specifications of main parts						
Liquid crystal panel — Size	0.64" (with MLA) × 3 (aspect ratio: 16:10)				0.63" (with MLA) × 3 (aspect ratio: 4:3)	
Liquid crystal panel — Pixels*1	2,304,000 (1,920 dots × 1,200 lines)		1,024,000 (1,280 dots × 800 lines)		786,432 (1,024 dots × 768 lines)	
Projection lenses — Zoom	Manual (zoom ratio 1.6)		Manual (zoom ratio 1.7)			
Projection lenses — Focus	Manual					
Projection lenses — Throw ratio	1.2 – 2.0		1.2 – 2.1		1.3 – 2.2	
Projection lenses — F-number Focus length	F = 1.50 to 2.08 f = 17.2 to 27.7 mm		F = 1.7 to 2.2 f = 17.4 to 29.0 mm			
Projection lenses — Lens shifting	Manual (V = 0 – 55% / H = ±15%)				Manual (V = 0 – 50% / H = ±15%)	
Lamp wattage*2	330 W AC	305 W AC	330 W AC	305 W AC	330 W AC	
Light source (Lamp) life*3 — ECO mode OFF	4,000 H					
Light source (Lamp) life*3 — Normal ECO mode	6,000 H					
Light source (Lamp) life*3 — ECO mode	8,000 H					
Light output*4 *5 — ECO mode OFF	5,300 lumens	4,700 lumens	5,500 lumens	4,700 lumens	6,000 lumens	
Light output*4 *5 — Normal ECO mode	Approx. 80%	Approx. 86%	Approx. 80%	Approx. 86%	Approx. 80%	
Light output*4 *5 — ECO mode*6	Approx. 60%	Approx. 65%	Approx. 60%	Approx. 65%	Approx. 60%	
Light output*4 *5 — Centre lumen (ECO mode OFF)*7	5,600 lumens	5,000 lumens	6,000 lumens	5,200 lumens	6,300 lumens	
Contrast ratio*5 (all white / all black)	20,000 : 1 with Iris & LAMP Power	18,000 : 1 with Iris & LAMP Power	20,000 : 1 with Iris & LAMP Power	18,000 : 1 with Iris & LAMP Power	20,000 : 1 with Iris & LAMP Power	
Screen size (throw distance) (Performance guarantee range)	30" to 300" (40" to 200")					
Colour reproducibility	10-bit colour processing (approx. 1.07 billion colours)					
Quietness (ECO / Normal ECO / ECO mode off)	34 dB / 34 dB / 37 dB					
Synchronization rate — Horizontal	15 kHz to 100 kHz (24 kHz or greater for RGB inputs)					
Synchronization rate — Vertical	50 to 120 Hz (HDMI: 50 Hz to 85 Hz)					
Maximum resolution (horizontal × vertical)	Up to WUXGA (1,920 × 1,200) with Advanced AccuBlend					
Keystone Correction — Horizontal	Manual, Approx. ± 20 Max degrees					
Keystone Correction — Vertical	Manual, Approx. ± 30 Max degrees					
Input / output connectors						
Computer / Component — Input	Mini D-Sub 15-pin × 1					
Computer / Component — Output	Mini D-Sub 15-pin × 1					
Computer / Component — Audio input	Stereo mini jack × 1					
Computer / Component — Audio output	Stereo mini jack × 1					
HDMI — Video input	Type A HDMI connector 19-pin × 2, Support HDCP*8					
HDMI — Audio input	Yes					
HDBaseT — Video input	RJ45 × 1, Support Deep Colour (colour depth): 8bits, 10bits, 12bits, Colourimetry Support: RGB, YCbCr444, YCbCr422				Non-support	
HDBaseT — Audio output	Yes					
Video — input	RCA × 1					
Video — Audio input	RCA × 2 (L/R)					
Wired LAN Port	RJ-45 (100Base-TX / 10Base-T) × 1					
Wireless LAN Port (Optional)	IEEE 802.11 b/g/n (optional USB Wireless LAN Unit required)					
PC control connector	D-Sub 9-pin × 1					
USB port	Type A for USB memory × 1, Type B for service × 1					
Built-In Speaker	20 W monaural × 1					
Usage environment	Operating temperature: 5 to 40°C*9, Operating humidity: 20 to 80 % (with no condensation) (ECO mode selected automatically at / 35°C to 40°C)					
	Storage temperature: -10 to 50°C, Storage humidity: 20 to 80 % (with no condensation)					
	Operating altitude: 0 to 2,700 m (1,700 to 2,700 m: Set [FAN MODE] to [HIGH ALUTITUDE])					
Power supply	100 – 240 V AC, 50 / 60 Hz					
Power consumption — ECO mode OFF	457 W (100 – 130 V)	424 W (100 – 130 V)	448 W (100 – 130 V)	418 W (100 – 130 V)	448 W (100 – 130 V)	433 W (100 – 130 V)
	431 W (200 – 240 V)	405 W (200 – 240 V)	422 W (200 – 240 V)	395 W (200 – 240 V)	422 W (200 – 240 V)	414 W (200 – 240 V)
Power consumption — Normal ECO mode	364 W (100 – 130 V)		361 W (100 – 130 V)			347 W (100 – 130 V)
	350 W (200 – 240 V)		343 W (200 – 240 V)			334 W (200 – 240 V)
Power consumption — ECO mode	286 W (100 – 130 V)		280 W (100 – 130 V)			273 W (100 – 130 V)
	277 W (200 – 240 V)		267 W (200 – 240 V)			258 W (200 – 240 V)
Power consumption — STANDBY (NETWORK)	2.0 W (100 – 130 V)		2.0 W (100 – 130 V)			
	2.1 W (200 – 240 V)		2.0 W (200 – 240 V)			
Power consumption — STANDBY (NORMAL)*10	0.14 W (100 – 130 V)		0.16 W (100 – 130 V)			
	0.17 W (200 – 240 V)		0.2 W (200 – 240 V)			
Rated input current	5.0 A*11 – 2.0 A*12	4.7 A*11 – 1.9 A*12	5.0 A*11 – 1.9 A*12	4.7 A*11 – 1.8 A*12	5.0 A*11 – 1.9 A*12	
Dimensions (W × H × D)	420 × 133 × 322 mm (Net dimensions, not including protruding parts), 478 × 233 × 390 mm (Gross dimensions)					
Weight	4.8 kg, 6.5 kg (Gross weight)		4.7 kg, 6.4 kg (Gross weight)			

*1: Effective pixels are more than 99.99 %. *2: Wattage when ECO mode is OFF. *3: Time at which the light source is at half brightness; not a guarantee time. *4: This is the light output value (lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. In other modes, the light output value may drop slightly. *5: Compliant with ISO21118-2012 *6: The maximum power becomes equivalent to power in NORMAL (ECO MODE). *7: Measured at center area of projector screen. *8: If you are unable to view material via the HDMI input, this does not necessarily mean the projector is not functioning properly. With the implementation of HDCP, there may be cases in which certain content is protected with HDCP and might not be displayed due to the decision or intention of the HDCP community. (Digital Content Protection, LLC). Video: Deep Colour; 8/10/12-bit, LipSync Audio: LPCM; up to 2 ch, sample rate 32/44.1/48 KHz, sample bit; 16/20/24-bit *9: 35 to 40°C – "Forced ECO mode" *10: Internal measured value. All wired network ports are connected and active. *11: 100 V – 130 V AC *12: 200 V – 240 V AC
• These specifications and the product's design are subject to change without notice.
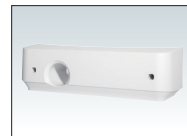
Remote control

(included accessory)

Options

Replacement lamp **NP44LP**

Wireless LAN unit **NP05LM1-5***

*The last digit may vary depending on the country of destination.
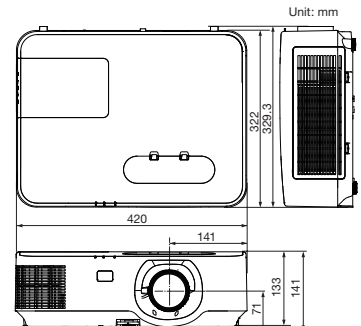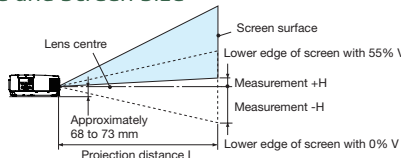

Cable Cover **NP12CV**

MultiPresenter Stick **DS1-MP10RX***

* Make sure to choose the appropriate MultiPresenter Stick for the usage country or area by visiting our website. (http://www.nec-display.com/ap/en_display/mp10rx/index.html)
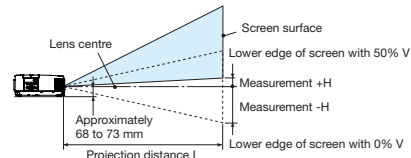
Cabinet dimensions

Unit: mm

Throwing Distance and Screen Size

Screen surface
Lower edge of screen with 55% V
Lens centre
Measurement +H
Measurement -H
Approximately 68 to 73 mm
Lower edge of screen with 0% V
Projection distance L

Screen surface
Lower edge of screen with 50% V
Lens centre
Measurement +H
Measurement -H
Approximately 68 to 73 mm
Lower edge of screen with 0% V
Projection distance L

NP-P554U / NP-P474U (WUXGA)

Screen Size (W × H m)	Throwing Distance (m) Wide	Tele	Bottom Height (cm) 0% V – 55% V
30" (0.65 × 0.40 m)	0.75	1.25	-20.2 – +2.2
40" (0.86 × 0.54 m)	1.02	1.68	-26.9 – +3.0
60" (1.29 × 0.80 m)	1.55	2.54	-40.4 – +4.5
80" (1.72 × 1.08 m)	2.09	3.40	-53.8 – +6.0
100" (2.15 × 1.35 m)	2.62	4.26	-67.3 – +7.5
120" (2.59 × 1.62 m)	3.15	5.12	-80.8 – +9.0
150" (3.23 × 2.02 m)	3.95	6.42	-101.0 – +11.2
180" (3.88 × 2.42 m)	4.75	7.71	-121.2 – +13.5
200" (4.31 × 2.69 m)	5.29	8.57	-134.6 – +15.0
240" (5.17 × 3.23 m)	6.35	10.29	-161.5 – +17.9
300" (6.46 × 4.04 m)	7.95	12.88	-201.9 – +22.4

NP-P554W / NP-P474W (WXGA)

Screen Size (W × H m)	Throwing Distance (m) Wide	Tele	Bottom Height (cm) 0% V – 55% V
30" (0.65 × 0.40 m)	0.74	1.28	-20.2 – +2.2
40" (0.86 × 0.54 m)	1.01	1.73	-26.9 – +3.0
60" (1.29 × 0.80 m)	1.55	2.63	-40.4 – +4.5
80" (1.72 × 1.08 m)	2.10	3.53	-53.8 – +6.0
100" (2.15 × 1.35 m)	2.64	4.44	-67.3 – +7.5
120" (2.59 × 1.62 m)	3.18	5.34	-80.8 – +9.0
150" (3.23 × 2.02 m)	4.00	6.69	-101.0 – +11.2
180" (3.88 × 2.42 m)	4.82	8.05	-121.2 – +13.5
200" (4.31 × 2.69 m)	5.36	8.95	-134.6 – +15.0
240" (5.17 × 3.23 m)	6.45	10.76	-161.5 – +17.9
300" (6.46 × 4.04 m)	8.08	13.46	-201.9 – +22.4

NP-P604X / NP-P603X (XGA)

Screen Size (W × H m)	Throwing Distance (m) Wide	Tele	Bottom Height (cm) 0% V – 55% V
30" (0.61 × 0.46 m)	0.75	1.31	-22.9 – 0
40" (0.81 × 0.61 m)	1.03	1.77	-30.5 – 0
60" (1.22 × 0.91 m)	1.59	2.69	-45.7 – 0
80" (1.63 × 1.22 m)	2.15	3.61	-61.0 – 0
100" (2.03 × 1.52 m)	2.70	4.54	-76.2 – 0
120" (2.44 × 1.83 m)	3.26	5.46	-91.4 – 0
150" (3.05 × 2.29 m)	4.09	6.84	-114.3 – 0
180" (3.66 × 2.74 m)	4.93	8.23	-137.2 – 0
200" (4.06 × 3.05 m)	5.48	9.15	-152.4 – 0
240" (4.88 × 3.66 m)	6.59	11.00	-182.9 – 0
300" (6.10 × 4.57 m)	8.26	13.77	-228.6 – 0

*Stated projection distances are standard values from lens or mirror surface to screen centre. *The values in the table are design values and may vary.

⚠ • Do not stare into the lens during use.
• The projector can be unplugged immediately after it is turned off. Parts of the projector become heated during operation. Use caution when picking up the projector immediately after it has been operating.