Specifications

		NP-UM351W	NP-UM301W	NP-UM361X	NP-UM301X
Projector type		3 LCD type			
LCD Panel		0.59 inch LCD with MLA		0.63 inch LCD with MLA	
Resolution*1		1280 x 800 pixels		1024 x 768 pixels	
Lens		Manual Focus F= 1.80, f= 4.78 mm			
Light source (Lamp)	ECO mode	160 W	140 W	160 W	140 W
	Normal ECO mode	200 W	170 W	200 W	170 W
	ECO mode off	255 W	235 W	255 W	235 W
Lamp life*2	ECO mode	6,000 H	8,000 H	6,000 H	8,000 H
	Normal ECO mode	5,000 H	5,000 H	5,000 H	5,000 H
	ECO mode off	3,800 H	4,000 H	3,800 H	4,000 H
Filter life		Same as lamp life			
Image size		58 to 110 inches		61.5 to 116.6 inches	
Light output*3 *4	ECO mode off	3,500 ANSI lumens	3,000 ANSI lumens	3,600 ANSI lumens	3,000 ANSI lumens
	Normal ECO mode	Approx. 80 % of ECO off	Approx. 75 % of ECO off	Approx. 80 % of ECO off	Approx. 75 % of ECO off
	ECO mode	Approx. 60 % of ECO off			
Contrast ratio (white / black)*4		4,000:1 with Iris		6,000:1 with Iris	
Maximum resolution		Up to WUXGA (1920 x 1200) with Advanced AccuBlend			
Scan rate	Horizontal	15 kHz to 100 kHz (RGB: 24 kHz or over)			
	Vertical	50 Hz to 120 Hz			
Keystone correction	Horizontal	Manual:± Max 10 degrees			
	Vertical	Manual:± Max 10 degrees			
Input terminals	Computer	Mini D-sub 15 pin x 1			
	Audio	Stereo mini jack x 1			
	Video	RCA x 1			
	Audio	(L/R) RCA x 1			
	HDMI	HDMI x 2			
	Mic	Mini jack x 1			
Output terminals		Mini D-sub 15 pin x 1			
	Audio	Stereo mini jack x 1			
Wired LAN port		RJ- 45 (10BASE-T / 100BASE-TX) x 1			
Wireless LAN port		Yes (USB type A)			
Control terminals		D-sub 9 pin x 1			
USB port (for USB display)		Type A x 1, (type B x 1)			
Built-in speaker		20 W monaural			
Usage environment	Operational temperature	5 °C to 40 °C, 20 % to 80 % humidity (no condensation) ([ECO MODE] is set automatically to [ON] at 35°C to 40°C)			
	Storage temperature	−10 °C to 50 °C, 20 % to 80 % humidity (no condensation)			
Power requirement		100 to 240 V AC, 50 Hz / 60 Hz			
Input current		3.8 A to 1.6 A	3.5 A to 1.5 A	3.8 A to 1.6 A	3.5 A to 1.5 A
Power consumption (100 to 130 V AC / 200 to 240 V AC)	ECO mode off	337 W / 324 W	297 W / 285 W	337 W / 324 W	297 W / 285 W
	Normal ECO mode	265 W / 257 W	234 W / 227 W	265 W / 257 W	234 W / 227 W
	ECO mode	221 W / 214 W	196 W / 190 W	221 W / 214 W	196 W / 190 W
	Standby (Network)	2.1 W / 2.4 W			
	Standby (Normal)	0.2 W / 0.4 W			
Calorific value (100 - 130 V / 200 - 240 V)		1150 BTU / 1106 BTU	1013 BTU / 973 BTU	1150 BTU / 1106 BTU	1013 BTU / 973 BTU
Net dimensions (W x H x D)		378 x 160 x 428 mm			
		378 x 112 x 428 mm (not including protrusions)			
Weight		5.6 kg	5.5 kg	5.6 kg	5.5 kg
Gross dimensions (W x H x D)		591 x 259 x 491 mm			
Gross weight		8.6 kg	8.5 kg	8.6 kg	8.5 kg
Accessories		Power cord, remote control, batteries, cable cover, signal cable, CD-ROM (User's manual / Utility software), Quick setup guide, Important information, security sticker			

*1 : Effective pixels are more than 99.99%.
*2 : The average time span for the brightness of the lamp to be reduced by half; does not refer to the warranty period for the lamp.
*3 : This is the light output value (ANSI lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PRESET] mode, the light output value may drop slightly.
*4 : Compliant with ISO21118-2005

● Throw Distance and Screen Size

Screen

Bottom height

Throwing distance

Distance between PJ -screen

UM351W / UM301W (Aspect ratio 16:10)

Screen size (H x V m)	Throwing distance (cm)	Bottom height (cm)	Distance bet. PJ - screen (cm)
58" (1.25×0.78)	44.8	23.9	10.5
60" (1.29×0.81)	46.4	24.4	12.0
70" (1.51×0.94)	54.2	26.7	19.8
80" (1.72×1.08)	62.0	29.1	27.6
90" (1.94×1.21)	69.8	31.5	35.4
100" (2.15×1.35)	77.6	33.9	43.2
110" (2.37×1.48)	85.4	36.3	51.0

UM361X / UM301X (Aspect ratio 4:3)

Screen size (H x V m)	Throwing distance (cm)	Bottom height (cm)	Distance bet. PJ - screen (cm)
61.5" (1.25×0.94)	44.8	23.8	10.5
70" (1.42×1.07)	51.1	25.7	16.8
80" (1.63×1.22)	58.5	28.0	24.1
90" (1.83×1.37)	65.8	30.2	31.5
100" (2.03×1.52)	73.2	32.5	38.8
110" (2.24×1.68)	80.5	34.7	46.2
116.6" (2.37×1.78)	85.4	36.2	51.0

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

● Options

Replacement lamp
NP33LP (for UM351W / UM361X)
NP32LP (for UM301W / UM301X)
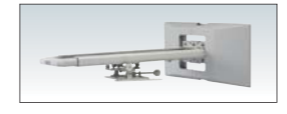

Wall mount kit NP04WK

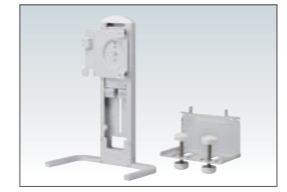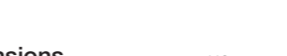**Table projection unit** NP01TK

Interactive unit NP03Wi

Stylus pen NP02Pi

Mouse receiver NP01MR
Wireless LAN module NP05LM1-5*
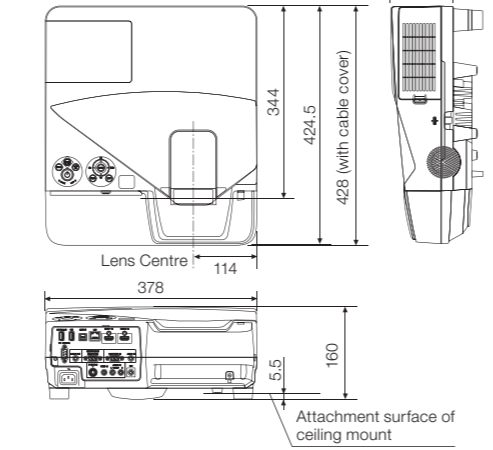

*Authentication countries depends on the last digit

● Cabinet Dimensions

112
344
424.5
428 (with cable cover)
Lens Centre 114
378
160
5.5
Attachment surface of ceiling mount

Unit: mm

http://www.nec-display.com/ap/

Empowered by Innovation

NEC

Ultra short throw projector

UM351W/UM301W/UM361X/UM301X

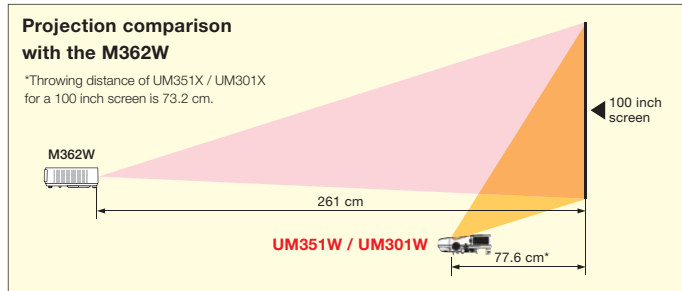# Less shadow and glare give the presenter more space to engage with audience and enhance the experience with interactive white boards

\Orchestrating a brighter world

Cat.No. WLPJ-1501-0012N

Enjoy great performance and flexibility, the new UM Series includes advanced features without compromising on quality.

Ultra short throw projection optimal for classrooms and meeting areas

Thanks to the ultra short throw lens, the UM351W / UM301W can project a large screen of 100 inches at a distance of only 77.6 cm. (the distance from screen side of projector to screen is 43.2 cm) Shadows do not easily form even when someone stands in front of the projector, making it suitable for classrooms, small meeting areas, shop windows, and a wide variety of other locations if installed on the wall or the ceiling.

Projection comparison with the M362W

*Throwing distance of UM351X / UM301X for a 100 inch screen is 73.2 cm.

M362W

100 inch screen

261 cm

UM351W / UM301W   77.6 cm*

A light output of 3,600 ANSI lumens*[1], the highest in its category

Projects a sharp image even in bright rooms thanks to its light output of 3,600 ANSI lumens, the best performance of its category.

*1:When ECO mode off is selected in UM361X

Accessory cable cover

The terminals are placed in the screen side of the projector and are protected with a cable cover. The cover keeps cables tidy.

Optional interactive solution

This interactive unit provides extensive drawing functionality to the projector and allows characters and drawings to be projected on the screen while making a presentation, which can be saved to your computer. It is possible to mount this unit on the body of the projector, which means that it can be used not only when the projector is mounted on a wall, but also when it is placed on a table. It can also reduce shadow and/or glare on the image for audience.

Table projection

For unique applications, projecting images onto a table, floor or ceiling is possible.
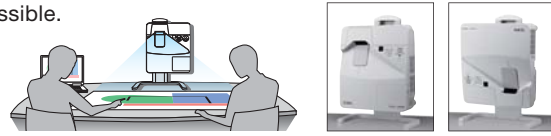
With optional table projection unit NP01TK

20 W speaker helps enable effective use of a microphone

A built-in monaural speaker with powerful 20 W output provides excellent sound even in classrooms and conference rooms. This projector also comes with a microphone input, allowing voice to be projected via the internal speaker.

Equipped with a high-performance filter to provide superior dust-proofing

Get Connected with a Wide Selection of Inputs and Outputs

USB display function

Using a commercially available USB cable (compatible with USB 2.0 specifications) to connect the computer with the projector allows you to send your computer screen image and sound to the projector without the need of traditional computer cables. (USB cable not supplied)

USB Viewer

The projector also has a viewer function that lets you project images (JPEG) stored on USB memory, so you can give presentations without a computer.

Dual HDMI inputs and MHL

Among the wide selection of inputs are dual HDMI inputs with HDCP for connecting to high-definition sources such as Blu-ray players, cable boxes, satellite receivers and personal computers. One of them supports MHL (Mobile High-definition Link), to project videos and photos on a connected smart phone or a tablet.

Variable audio-out

This function enables the remote control to be used to adjust volume of self-powered external speakers that are connected to the projector.
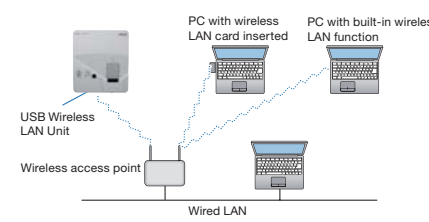
Advanced Networking Capabilities
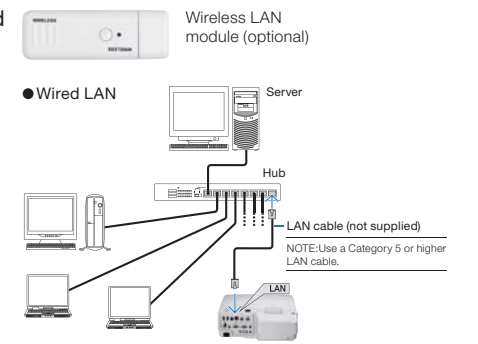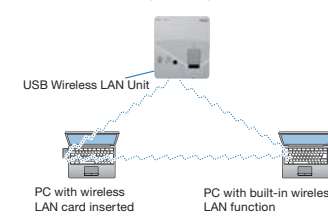
Image Express Utility Lite

Using Image Express Utility Lite contained on the supplied NEC Projector CD-ROM provides wired and wireless data and audio transmission via a peer-to-peer connection or over the network.

Wireless LAN module (optional)

Examples
● Wireless LAN (Infrastructure)
PC with wireless LAN card inserted
PC with built-in wireless LAN function
USB Wireless LAN Unit
Wireless access point
Wired LAN

● Wireless LAN (Ad Hoc)
USB Wireless LAN Unit
PC with wireless LAN card inserted
PC with built-in wireless LAN function

● Wired LAN
Server
Hub
LAN cable (not supplied)
NOTE:Use a Category 5 or higher LAN cable.
LAN

Wireless Image Utility

Wireless Image Utility (WIU) can send images and documents directly from your iOS or Android devices such as iPad, iPhone and Android tablet, which enables sending real-time images recorded with the device's internal camera, web pages searched for on the device or cloud files in a file-sharing application to the projector. (Requires the optional wireless LAN module, NP05LM.)

NaViSet Administrator 2

This software is an all-in-one remote support solution that runs from a central location and provides monitoring, asset management and control functionality of the majority of NEC display devices and Windows computers. It is ideal for multi-device installations over larger infrastructures.
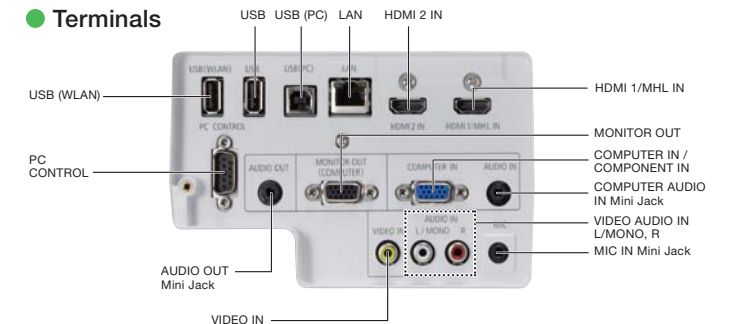
NaViSet Administrator 2

Virtual Remote Tool

The utility software "Virtual Remote Tool" included on the accessory CD-ROM enables display of a Virtual Remote screen (or toolbar) on your computer screen. This helps you to switch the projector's power on or off and select signals from the computer cable (VGA), serial cable, or LAN connection.

Virtual remote screen

Other Advanced Capabilities

● Simple access point
● PC Control Utility 4.0 for Windows
● PC Control Utility 5.0 for Mac
● Crestron RoomView™ with emergency function
● AMX BEACON
● HTTP server
● PJLink

Other Useful Features and Functions

● Powerful 20-watt speaker provides volume needed for large rooms
● Auto power on via the RGB (15-pin) or HDMI input connector when a signal is detected from a computer
● Sleep timer can be set to automatically turn off the projector at set countdown times
● Power management enables projector to automatically turn off when an incoming signal is not detected from any of the inputs
● No signal guidance for easy cable connections
● Plug and play intuitive setup and operation
● Built-in H/V keystone, pinction, and cornerstone correction
● Includes a remote with a control ID registration function, which allows operation of multiple projectors with a single remote control
● Wall Color Correction for vivid images even without a screen
● DICOM simulation
● Security bar / Kensington lock / control panel lock and password lock

● Low power consumption (less than 0.4 W in 240 V AC stand-by mode) minimizes energy costs
● The carbon meter lets you check the amount of CO_2 you reduced by using ECO mode

● **Terminals**

USB   USB (PC)   LAN   HDMI 2 IN
USB (WLAN)
HDMI 1/MHL IN
PC CONTROL
MONITOR OUT
COMPUTER IN / COMPONENT IN
COMPUTER AUDIO IN Mini Jack
AUDIO OUT Mini Jack
VIDEO AUDIO IN L/MONO, R
MIC IN Mini Jack
VIDEO IN

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

MHL Mobile High-Definition Link

UM351W			UM361X		
3,500 ANSI lumens	WXGA	5.6 kg	3,600 ANSI lumens	XGA	5.6 kg

UM301W			UM301X		
3,000 ANSI lumens	WXGA	5.5 kg	3,000 ANSI lumens	XGA	5.5 kg