

● Specifications

		NP-UM352W	
Projector type		3 LCD type	
LCD Panel		0.59 inch LCD with MLA	
Resolution*1		1,280 × 800 pixels	
Lens		Manual Focus F= 1.80, f= 4.78 mm	
Light source (Lamp)	ECO mode	160 W	
	Normal ECO mode	200 W	
	ECO mode off	255 W	
Lamp life*2	ECO mode	6,000 H	
	Normal ECO mode	5,000 H	
	ECO mode off	3,800 H	
Filter life		Same as lamp life	
Image size		58 to 110 inches	
Light output*3 *4	ECO mode off	3,500 ANSI lumens	
	Normal ECO mode	Approx. 80 % of ECO mode off	
	ECO mode	Approx. 60 % of ECO mode off	
Contrast ratio (white / black)*4		4,000:1 with Iris	
Maximum resolution		Up to WUXGA (1,920 × 1,200) 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 × 1	
	Audio	Stereo mini jack × 1	
	Video	Audio	RCA × 1
		(L / R) RCA × 1	
	HDMI	HDMI × 2	
	MHL	MHL × 1 (shared with HDMI 1)	
Mic	Mini jack × 1		
Output terminals	Audio	Mini D-sub 15 pin × 1	
		Stereo mini jack × 1	
Wired LAN port		RJ- 45 (10BASE-T / 100BASE-TX) × 1	
Wireless LAN port		USB type A × 1	
Control terminals		D-sub 9 pin × 1	
USB port (for USB display and USB viewer)		Type A × 1, Type B × 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		3.9 A to 1.7 A	
Power consumption (100 to 130 V AC / 200 to 240 V AC)	ECO mode off	339 W / 326 W	
	Normal ECO mode	269 W / 261 W	
	ECO mode	222 W / 216 W	
	Standby (Network)	2.3 W / 2.6 W	
	Standby (Normal)	0.2 W / 0.4 W	
Calorific value (100 to 130 V / 200 to 240 V)		1157 BTU / 1113 BTU	
Net dimensions (W × H × D)		378 × 160 × 428 mm 378 × 112 × 428 mm (not including protrusions)	
Weight		5.8 kg	
Gross dimensions (W × H × D)		591 × 259 × 491 mm	
Gross weight		8.8 kg	
Accessories		Power cord, remote control, batteries, cable cover, signal cable, USB cable (5 m), USB cable (for charging a stylus pen), Stylus pen × 2, 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 ISO21118-2012

● Options

Replacement lamp



NP33LP

Wall mount kit



NP04WK

Table projection unit



NP01TK

Touch module



NP01TM

Stylus pen



NP02Pi

Wireless LAN module



NP05LM1-5\*

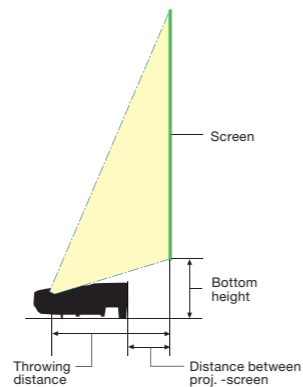
\*Authentication countries depends on the last digit

● Throw Distance and Screen Size

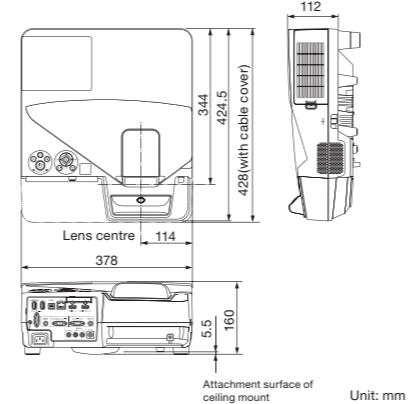
UM352W (Aspect ratio 16:10)

Screen size (H x V m)	Throwing distance (cm)	Bottom height (cm)	Distance bet. proj. - 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

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



● Cabinet Dimensions



Do not stare into the lens during use.  
The projector can be unplugged during its cool down period 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.

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

Ultra short-throw projector with interactive whiteboard function

# UM352W

This multi-media ultra short-throw projector contributes to the vitalization of teaching and group learning.

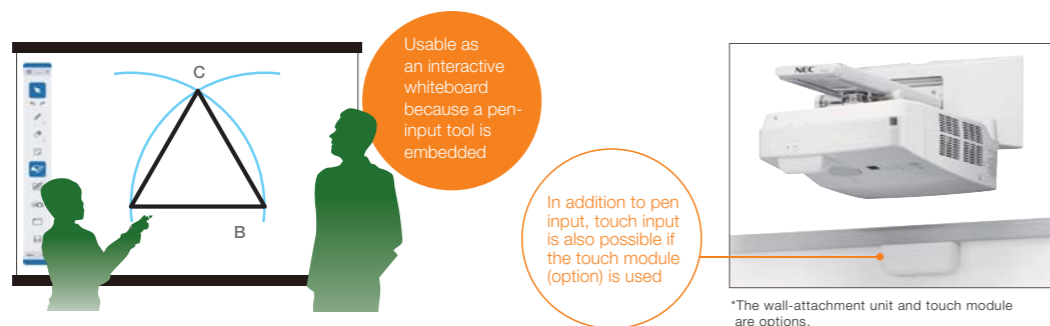


# The UM352W has advanced whiteboard functions and offers great performance and flexibility without compromising on quality.

## In addition to ultra short-focus projection, the UM352W includes whiteboard functions that can be used without a PC

The projector realizes ultra short-throw projection, which enables large-screen display of up to 110 inches from a distance of only 85.4 cm (the distance from screen side of projector to screen is 51.0 cm), and a bright display of 3,500 lumens. Furthermore, the projector

has whiteboard functions that can be used quickly after start-up even without a PC connection. It is possible to write on the board by using the included stylus pens.

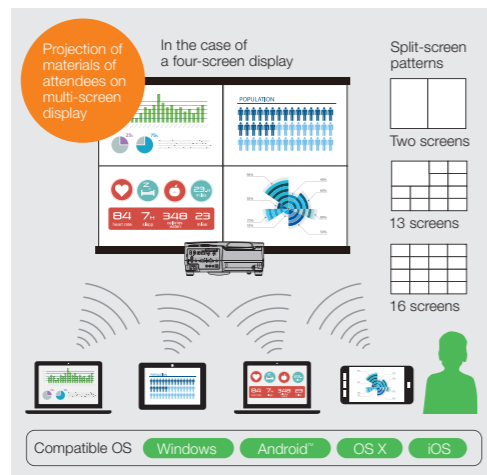


## Advanced Networking Capabilities

### Multi-screen projection function\*1

The multi-screen projection function allows sharing of the screens of multiple devices on various split-screen displays.

Display information from up to 50\*2 PCs, tablet PCs, smart phones, and other network connected devices on a multi-screen display of up to 16 screens. Easily share screens and information regardless of device or operating system.



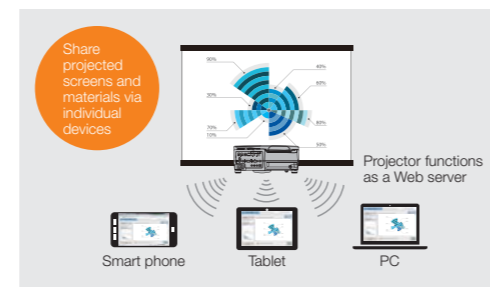
\*1: Requires the optional wireless LAN module for wireless connection. PCs require the installation of the Image Express Utility Lite software on the included CD-ROM. Smart phones and tablets require the download and installation of our Wireless Image Utility software.

\*2: The connection of 50 devices is limited to when the projector is configured to "Managed Mode". The connection of 50 devices to the network requires construction of a wireless LAN environment, such as the use of a separate access point.

### Web sharing function

The Web sharing function enables easy viewing on hand-held devices of the screens being projected.

Easily share the screens and materials being projected by the projector through the web browsers of devices, without needing to install dedicated applications.



### 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.



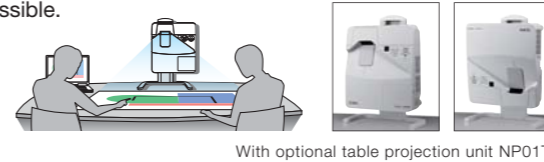
### Other networking capabilities

- Simple access point
- Miracast™
- Image Express Utility 2.0
- PC Control Utility 4.0 for Windows
- PC Control Utility 5.0 for Mac
- Crestron RoomView™ with emergency function
- Remote Desktop
- AMX BEACON
- HTTP server
- PJLink

## Useful Features and Functions

### Table projection

For unique applications, projecting images onto a table, floor or ceiling is possible.

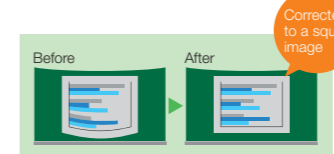


### USB display function

Using a USB cable (compatible with USB 2.0 specifications) to connect a computer with the projector allows you to send your computer screen image and sound to the projector without the need of traditional computer cables.

### Pincushion correction function

Pincushion correction is available for curved boards.



### 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.



### 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 input supports MHL (Mobile High-definition Link) to project videos and photos on a connected smart phone or a tablet.

### Stylus pen calibration

Two modes are available for the alignment of the stylus pen.

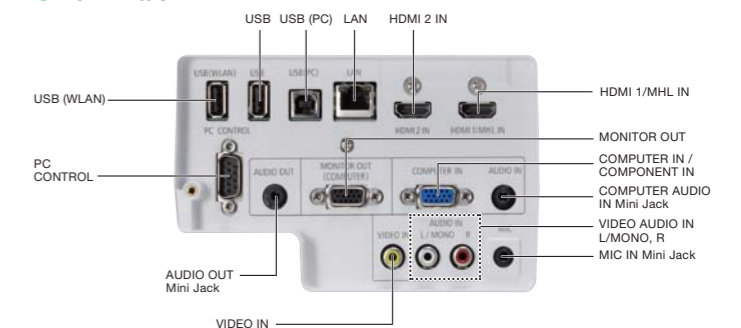
- Quick and easy adjustment Automatic calibration
- Fine-tuned adjustment Manual calibration

## Other Useful Features and Functions

- Auto power on via the RGB (15-pin) or HDMI input connector when a signal is detected from a computer
- Power management enables the projector to automatically turn off when an incoming signal is not detected from any of the inputs
- Sleep timer can be set to automatically turn off the projector at set countdown times
- No-signal guidance for easy cable connections
- Plug-and-play intuitive setup and operation
- Seamless switching
- Built-in H/V keystone, pincution, 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
- USB viewer
- DICOM simulation
- Security bar / Kensington lock / control panel lock and password lock

- Low power consumption minimizes energy costs
- The carbon meter lets you check the amount of CO<sub>2</sub> you reduced by using ECO mode

### Terminals



UM352W

3,500 ANSI lumens WXGA 5.8 kg

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

MHL Mobile High-Definition Link