DLP Projector LX-MU500/LX-MW500

1. Main Features

1-1. Semi-installation model with a brightness of 5000 lumens

This product in the semi-portable class comes with a high brightness specification of 5000 lumens.
You can see sharp video in meeting rooms or classrooms even when the lights are on. (*1)

*1: The lighting needs to be adjusted or blocked when projecting a large sized video or when the light from outside is strong.

1-2. 4-point keystone

In addition to the conventional vertical and horizontal keystone, the product is equipped with a 4-point keystone feature which adjusts the four corner positions of the projected video to correct for distortion.

1-3. Equipped with two digital input HDMI terminals, also supports MHL

Equipped with two HDMI terminals for projecting high-definition digital video.
Also supports MHL, allowing you to directly input and display image data on a smartphone or tablet without going through a PC. (*2)
Integration with mobile devices provides a wide range of uses and allows you to give easier and more intelligent presentations.

*2: Commercially-available, specialized cables must be supplied separately.

1-4. Supports HDBaseT

Supports the "HDBaseT" next-generation digital communication standard. Easily connects the same high-definition video signal/audio signal as HDMI with one LAN cable.

2. Specifications

2-1. Basic specifications

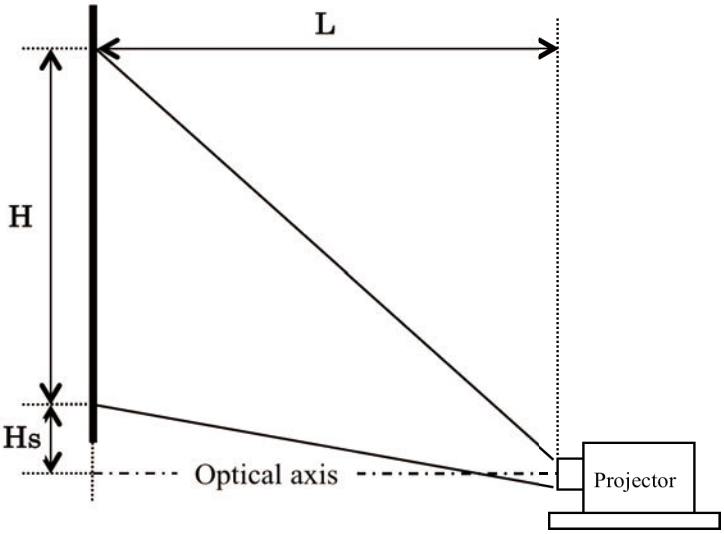
Model		LX-MW500	LX-MU500
Classification	Product classification	Projector	
	Video element, number of chips	DMD x1	
DMD	Number of pixels	1280x800 (WXGA)	1920x1200(WUXGA)
	Display size, aspect ratio	0.65 model, 16:10	0.67 model, 16:10
Projection lens	Focal distance, F value	f=15.75 - 25.1 mm, F2.45 - 3.07	
	Zoom ratio	1.6x	
	Projection distance	W: 1.4 - 5.8 m T: 2.3 - 5.8 m	W: 1.4 - 5.5 m T: 2.2 - 5.5 m
	Type 100 projection distance	2.4 - 3.9 m	2.3 – 3.7 m
	Projection ratio (*1)	1.12 - 1.8:1	1.07 - 1.71:1
	Driving method	Zoom, focus, shift: manual	
Light source	Type	Ultra high-voltage lamp for projectors	
	Power consumption (*2)	370 / 296 W	
Video	Optical method	Time division color extraction / Sequential display	
	Brightness (*2)	5000 / 4000 lm	
	Peripheral illuminance ratio	75%	75%
	Contrast ratio	3750:1	2500:1
	Video size (*3)	60 - 240	
	Lens shift amount	55% - 57.5%	52.5% - 55%
	Electronic zoom (length ratio)	Maximum 2.0x (over scanning display time maximum 1.8x)	
	Keystone correction range	H/V ±30°	
Video signal	Analog PC input(*4)	WUXGA/WSXGA+/UXGA / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA / MAC	
	Digital PC input(*4)	WUXGA/WSXGA+/UXGA / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA	
	Digital video input	1080p / 1080i / 720p / 576p / 480p	
	MHL input	1080p / 1080i / 720p / 576p / 480p / 576i / 480i	
	Component video input	1080p / 1080i / 720p / 576p / 576i / 480p / 480i	
	Video input/S-Video	NTSC / PAL / SECAM / NTSC4.43 / PAL-M / PAL-N / PAL-60	
Connection pins	Mini Dsub15 x2	Analog PC / Component video input	
	Mini Dsub15	Analog PC / Component video output	
	HDMI/MHL	Digital PC / Digital video / MHL input	
	HDMI	Digital PC/Digital video input	
	Mini DIN4	S-Video input	
	RCA x3	Video input / Audio-L / Audio-R	
	Mini jack x2	Audio input x1, Audio output x1	
	Dsub9	RS-232C connection	
	RJ-45 / HDBaseT	Network connection (100BASE-TX / 10BASE-T) / HDBaseT	
	USB mini B	Service port	
Mechanical	Adjustment legs	Front: 2 (maximum elevation angle of 4.5°)	
	Built-in speaker	10 W, monaural	
	External dimensions (WxHxD) [mm]	465 x 123 x 264 mm	
	Weight	5.4 kg	
	Noise level (*2)	36 / 33 dB	
Other	Rated power supply voltage	AC100 - 240 V : 50 / 60 Hz	
	Power consumption (*2)	500 / 400 W	
	Standby power (*5)	3.0 / 0.5 W	
	Operating environment	0°C - 40°C Humidity 10-90%	0°C - 40°C Humidity 10-80%

*1: Calculated value for model 100 video
*2: Lamp modes are Normal / Eco, Eco brightness is a calculated value and not guaranteed as a specification
*3: Video with the same aspect ratio as the DMD aspect ratio
*4: WUXGA is available for LX-MU500 only
*5: Standby LAN feature is on/off

2-2. Installation specifications

- Video size and the projection distance

The LX-MU500/LX-MW500 is equipped with an optical zoom feature.



"L" is the projection distance, and "H" is the video height (vertical length).

"Hs" is the length from the lens optical axis to the bottom edge of the video.

The ratio between "H" and "Hs" is fixed as follows in this product.

LX-MU500 10:1 (Hs = H/10)
LX-MW500 10:0 (Hs = 0)

Video sizes from types 60 - 240 can be correctly displayed with the LX-MU500, LX-MW500.
The relationship between the video size and the projection distance for each model is as follows.

[LX-MW500]

Video size(16:10)			Projection distance	
Diagonal [Type]	Width [m]	Height [m]	L(W) [m]	L(T) [m]
60	1.3	0.8	1.5 m	2.3 m
70	1.5	0.9	1.7 m	2.7 m
80	1.7	1.1	1.9 m	3.1 m
90	1.9	1.2	2.2 m	3.5 m
100	2.2	1.4	2.4 m	3.9 m
110	2.4	1.5	2.7 m	4.3 m
120	2.6	1.6	2.9 m	4.7 m
130	2.8	1.8	3.1 m	5.0 m
140	3.0	1.9	3.4 m	5.4 m
150	3.2	2.0	3.6 m	5.8 m
180	3.9	2.4	4.3 m	-
210	4.5	2.8	5.1 m	-
240	5.1	3.2	5.8 m	-

[LX-MU500]

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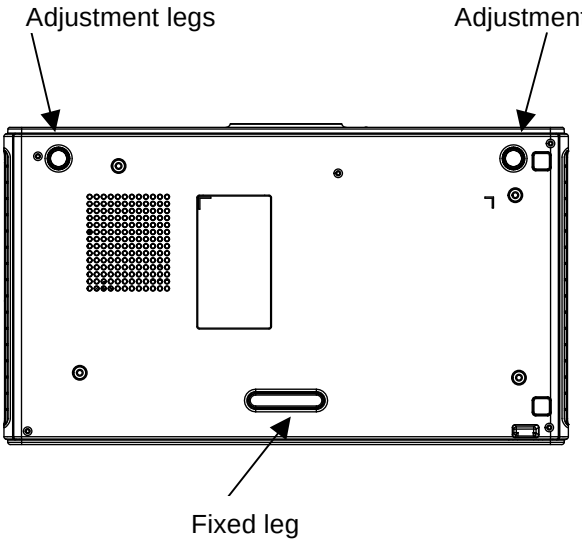
130	2.8	1.8	3.0 m	4.8 m
140	3.0	1.9	3.2 m	5.2 m
150	3.2	2.0	3.5 m	5.5 m
180	3.9	2.4	4.2 m	-
210	4.5	2.8	4.8 m	-
240	5.1	3.2	5.5 m	-

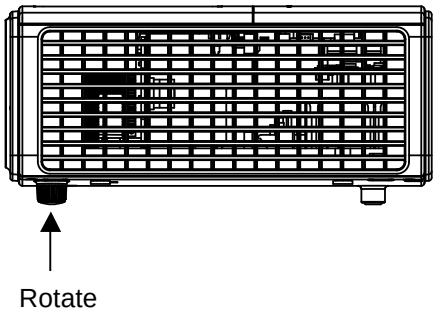
* The numerical values in the table are approximate values that are rounded to the nearest whole number.

2-3.Adjustment legs

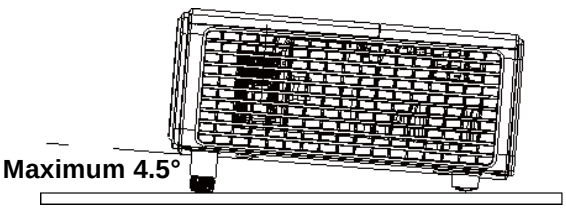


The diagram on the left shows the underside of the unit.
Adjustment legs are attached in two locations as shown in the diagram.

Adjust the length of the adjustment legs to raise the lens side of the projector and modify the projection angle or to fine tune the inclination of the left and right sides.



The diagram on the left shows the side of the unit.
The adjustment legs have a threaded structure and can be rotated to adjust the length.



This product can be installed with a maximum angle of 4.5° between the unit and the installation table.

* The diagram is for explanation purposes only. It does not match the actual product shape.

3. Accessories

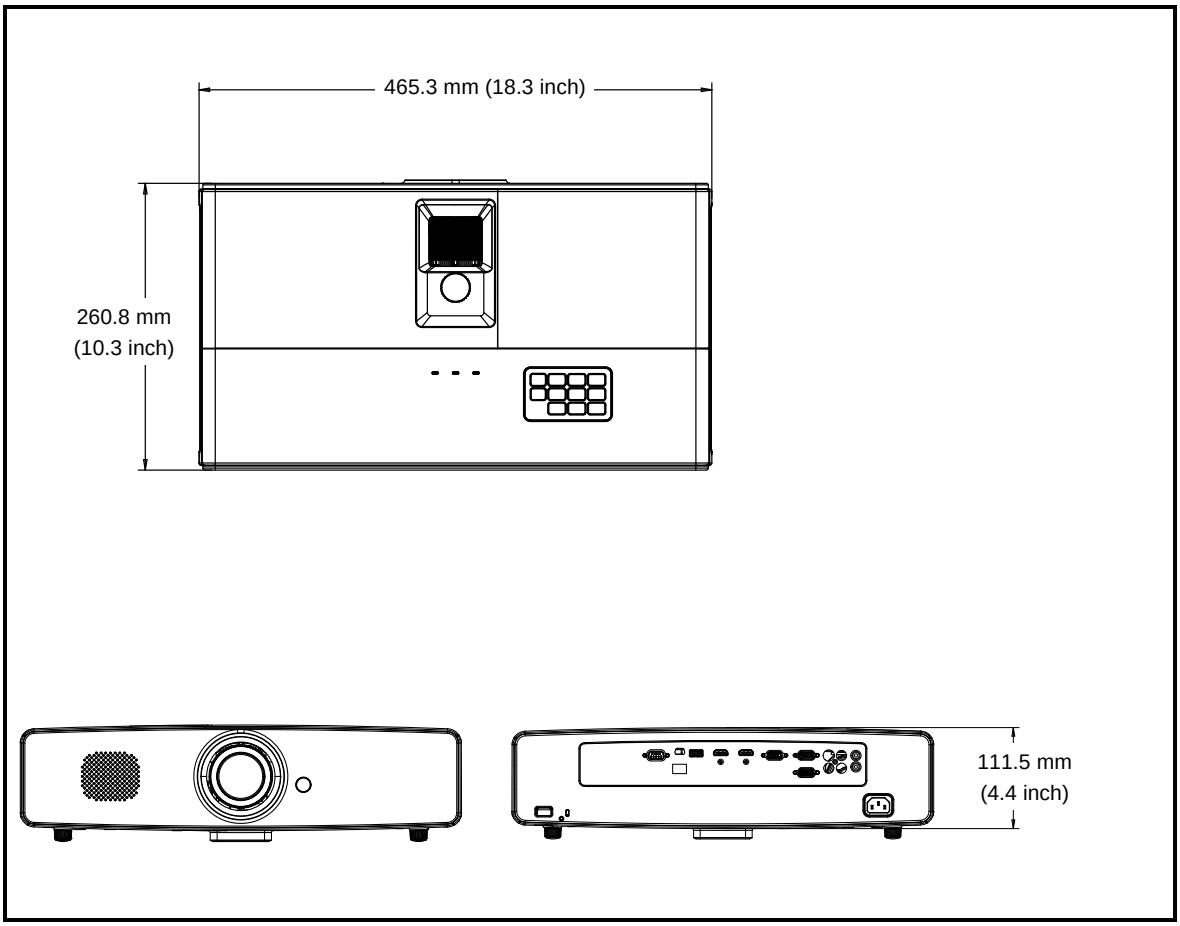
* Lists only items related to product usage

Primary bundled products	Remote control LV-RC08	Power supply: DC 3.0 V (CR2025 used) Throw distance approx. 8 m, ±30° from the front of the optical receiver
	Computer cable (VGA cable)	Mini Dsub15-Mini Dsub15 Connects with the computer. Used for transmitting an analog PC signal.
	Power supply cord	Connects the unit to the power outlet.
Options	Remote control LV-RC08	Same as the bundled product
Replacement parts	Replacement lamp LX-LP02	Ultra high-voltage mercury lamp Recommended replacement period (*1) 2000 hours / 2500 hours (Lamp mode: Normal/Eco)
	Replacement air filter LX-FL02	Dust filter Install in the intake port to prevent dust from entering.

*1: Time at which the lamp has a 50% survival rate and a 50% illumination maintenance ratio.
This value is not a guarantee of the lamp lifetime.

4. Product Appearance

- External dimension diagram



External dimensions
TBD (W: 465 mm, H: 112 mm, D: 261 mm (18.3 x 4.4 x 10.3 inch)
* not including the protruding section)

Lens center position: 232.5mm from the left side (side with the lens is the "front".)
68.7 mm from the installation surface

Weight: 5.4 kg (11.9 lbs)

5. Precautions for Use

-Do not look directly into the projection lens when it is emitting light.

Doing so may result in visual impairment due to the high brightness projection.

- Do not place objects in front of the lens during projection.

Exposing an object to concentrated light for a long period of time may cause it to heat up and start a fire.

- Do not block the intake or exhaust ports during operation.

Doing so may cause heat to build up inside the unit which may result in malfunction or fire.

- When the lamp burns out or reaches its time for replacement, replace it immediately with a new lamp.

This product uses as its light source a high-voltage mercury lamp that deteriorates with use over time resulting in a decrease in illumination.
The lamp may burst as it deteriorates with use over time.
If the lamp bursts, have the lamp replaced and the unit inspected at a service center.

* The lamp does not always burst, and there is no clear indicator as to the number of hours of use before it bursts.

- Use the following settings to prevent an increase in internal temperatures in a high altitude location with low air pressure. (*1)

Doing so may result in visual impairment due to the high brightness projection.

- Use the following settings to prevent an increase in internal temperatures in a high altitude location with low air pressure. (*1)

Turn on the "High altitude mode".

*1: Elevation above 1500 m