Specifications

Model name	MP-EU5002	MP-EW5002	MP-EX5002
Display system	3LCD		
Display device — Size of effective display area	0.64″, aspect ratio 16:10	0.59″, aspect ratio 16:10	0.63″, aspect ratio 4:3
Display device — Number of pixels	2,304,000 pixeles H : 1,920 × V : 1,200 (WUXGA)	1,024,000 pixeles H : 1,280 × V : 800 (WXGA)	786,432 pixeles H : 1,024 × V : 768 (XGA)
Lens — Zoom	Manual (1.6x)		
Lens — Focus	Manual		
Light source	Laser diode		
Screen size	30 ~ 300 inch		
Light output (Brightness)	5,000 lm *1	5,000 lm *1	5,300 lm *1
Contrast ratio (full white / full black)	500,000 : 1 *1		
Speaker	16 W × 1 mono		
Displayable scanning frequency — Horizontal	15 ~ 106 kHz		
Displayable scanning frequency — Vertical	50 ~ 120 Hz		
Display resolution — Computer	VGA, SVGA, XGA, WXGA, SXGA, WXGA+, WXGA++, WSXGA+, UXGA, Full HD, WUXGA*2, Mac 16″		
Display resolution — Video	NTSC, NTSC4.43, PAL, SECAM, PAL-M, PAL-N, PAL(60Hz), 480i@60, 480p@60, 576@50, 576p@50, 720p@50/60, 1080i@50/60, 1080p@50/60		
Terminals — HDMI IN	HDMI connector × 3 (HDMI IN 2 supports MHL input)	HDMI connector × 2 (HDMI IN 2 supports MHL input)	
Terminals — COMPUTER IN 1	Mini D-sub 15-pin connector × 1		
Terminals — COMPUTER IN 2 / MONITOR OUT	Mini D-sub 15-pin connector × 1		
Terminals — VIDEO IN	RCA connector × 1		
Terminals — AUDIO IN	3.5mm stereo mini connector × 2, RCA connector L/R × 1		
Terminals — AUDIO OUT	3.5mm stereo mini connector × 1		
Terminals — CONTROL IN (RS-232C)	D-sub 9-pin connector × 1		
Terminals — LAN	RJ-45 connector × 1		
Terminals — USB-A	USB type A × 2 (USB-LESS Presentation or Wireless LAN (option))		
Terminals — USB-B	USB type B × 1 (USB mouse control)	USB type B × 1 (USB Display and USB mouse control)	
Network — Wired	100BASE-TX / 10BASE-T		
Network — Wireless (option*3)	IEEE 802.11a/b/g/n/ac		
Operating temperature	0 - 40 °C *4 (The brightness of light source may be reduced automatically over 35 °C.)		
Operating humidity	10 - 80%RH (non-condensing)		
Power requirements	AC 100 - 120 V (50/60Hz), 3.8 A / AC 220 - 240 V (50/60Hz), 1.9 A	AC 100 - 120 V (50/60Hz), 3.7 A / AC 220 - 240 V (50/60Hz), 1.9 A	
Power consumption	AC 100 - 120 V : 370 W / AC 220 - 240 V : 360 W	AC 100 - 120 V : 360 W / AC 220 - 240 V : 350 W	
Standby mode power consumption	Less than 0.5 W *5		
Standard outside dimensions (W × H × D)	512 mm × 152 mm × 424 mm (20.2″ × 6.0″ × 16.7″) (Including protrusions) 506 mm × 136 mm × 424 mm (19.9″ × 5.4″ × 16.7″) (Excluding protrusions)		
Weight	Approx. 7.5 kg (16.5 lbs.)		
Accessories	Remote control with two AA batteries, Power cord, Computer cable, User's manual, Security label, Lens cover, Adapter cover, HDMI cable holder, Cable tie, Hook metal, Screw, Ferrite core		
Optional parts — Air filter	UX43251		
Optional parts — Mounting accessories	HAS-9110 (Bracket for fixing mount), HAS-104S (Slim adapter for fixing mount), HAS-204L (Standard adapter for fixing mount), HAS-304H (Long adapter for fixing mount)		
Optional parts — USB wireless adapter	USB-WL-5G *6		

*1: When PICTURE MODE is set to DYNAMIC, and LIGHT OUTPUT is set to NORMAL 100 %. *2: For MP-EU5002 only. WUXGA (60 Hz) Reduced Blanking. *3: Optional wireless adapter is needed. *4: 0 - 40 °C at altitude from 0 m to 1,600 m. 0-35 °C at altitude from 1,600 m to 3,048 m. *5: SAVING mode disables the functions of MONITOR OUT, AUDIO OUT, speaker sound, network communication, RS-232C control except POWER ON command, etc. in standby. *6: The availability of the USB-WL-5G varies depending on the country and the region.

Terminals

MP-EU5002

(8) (3)(12) (1) (2) (10) (4) (5) (6)
(11)(9) (14)(13) (7)

MP-EW5002 / MP-EX5002

(8) (12) (1) (2) (10) (4) (5) (6)
(11) (9) (14)(13) (7)

(1)HDMI IN 1 (2)HDMI IN 2 / MHL (3)HDMI IN 3 (4)COMPUTER IN 1
(5)COMPUTER IN 2 / MONITOR OUT (6)CONTROL (7)VIDEO IN (8)AUDIO IN 1 (9)AUDIO IN 2
(10)AUDIO IN 3 (11)AUDIO OUT (12)USB-A (13)USB-B (14)LAN

Dimensions

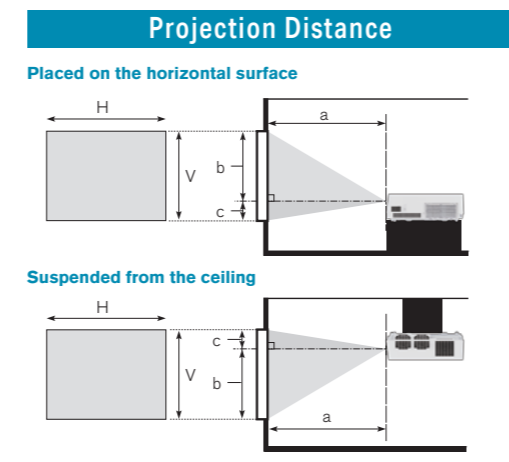424 mm(16.7″)
152 mm (6.0″)
512 mm(20.2″)

Environment

► Compliance with EU Directive RoHS*1
► Power saving mode engaged during standby
► Long Life mode
► No use of mercury lamp

*1 RoHS is the acronym of "Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Projection Distance

Placed on the horizontal surface

Suspended from the ceiling

H x V : Screen size
a : Projection distance (from the projector's front panel to screen. Tolerance ±10 %)
b : Screen height from lens center to top (when installed on a horizontal surface)
c : Screen height from lens center to bottom (when installed on a horizontal surface)
*The figures above are not drawn to scale.

MP-EU5002 — 16 : 10 screen

Screen type	Screen size H		V		Projection distance a(min.)		a(max.)		Screen height b		c	
(inch)	m	inch	m	inch	m	inch	m	inch	cm	inch	cm	inch
60	1.3	51	0.8	32	1.5	60	2.6	101	70	28	10	4
80	1.7	68	1.1	42	2.1	82	3.5	137	94	37	14	5
100	2.2	85	1.3	53	2.6	104	4.4	173	117	46	17	7
120	2.6	102	1.6	64	3.2	127	5.3	209	141	55	21	8
150	3.2	127	2.0	79	4.1	160	6.7	263	176	69	26	10
200	4.3	170	2.7	106	5.5	216	9.0	353	234	92	35	14

MP-EW5002 — 16 : 10 screen

Screen type	Screen size H		V		Projection distance a(min.)		a(max.)		Screen height b		c	
(inch)	m	inch	m	inch	m	inch	m	inch	cm	inch	cm	inch
60	1.3	51	0.8	32	1.7	65	2.8	109	73	29	8	3
80	1.7	68	1.1	42	2.3	89	3.8	148	97	38	11	4
100	2.2	85	1.3	53	2.9	113	4.8	187	121	48	13	5
120	2.6	102	1.6	64	3.5	137	5.7	226	145	57	16	6
150	3.2	127	2.0	79	4.4	174	7.2	284	182	72	20	8
200	4.3	170	2.7	106	5.9	234	9.7	382	242	95	27	11

MP-EX5002 — 4 : 3 screen

Screen type	Screen size H		V		Projection distance a(min.)		a(max.)		Screen height b		c	
(inch)	m	inch	m	inch	m	inch	m	inch	cm	inch	cm	inch
60	1.2	48	0.9	36	1.5	61	2.6	103	76	30	15	6
80	1.6	64	1.2	48	2.1	84	3.5	139	102	40	20	8
100	2.0	80	1.5	60	2.7	106	4.5	176	127	50	25	10
120	2.4	96	1.8	72	3.3	129	5.4	213	152	60	30	12
150	3.0	120	2.3	90	4.1	163	6.8	268	191	75	38	15
200	4.1	160	3.0	120	5.6	220	9.1	360	254	100	51	20

—Design and specifications are subject to change without notice.
• The projected images and comparison photos in this catalog are simulations. • LCD panels, polarizers and other optical components and cooling fans may need replacement after prolonged usage. For more details, please consult a sales representative. • Do not use in places where there is a lot of water, dampness, steam, dust, soot or tobacco smoke. This may result in fire or malfunction. • Optical components (light source, LCD panel, polarizing plate, PBS [polarizer beam splitter]) have limited service lives. They must be repaired or replaced if they are used for a long period of time. • During use and immediately after use, do not touch anywhere near the vents as these parts are extremely hot. • Optical components other than the light source: If the projector is used for six hours or more per day, they may need to be replaced in less than a year. • LCD panel: If the projector is used continuously for six hours or more, its replacement cycle may be shortened. • Each product may have differences of color, brightness and focus due to manufacture variation. • Blu-ray Disc™ and Blu-ray™ are trademarks of Blu-ray Disc Association. • Crestron® and Crestron RoomView® are registered trademarks of Crestron Electronics, Inc. in the United States and other countries. • DICOM is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information. • MHL, the MHL logo, and Mobile High-Definition Link are trademarks of MHL, LLC in the United States and other countries. • HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries. • All other trademarks are the properties of their respective owners.

LASER RADIATION
AVOID DIRECT EYE EXPOSURE
CLASS 3R LASER PRODUCT
Wavelength : 449-461 nm
Max. Output : 148 mW
IEC 60825-1:2007

RAYONNEMENT LASER
ÉVITER D'EXPOSER
DIRECTEMENT LENS YEUX
PRODUIT LASER DE CLASSE 3R
Longueur D'onde : 449-461 nm
Sortie max. : 148 mW
IEC 60825-1:2007

雷射輻射
避免眼睛受到直接照射
3R類雷射產品
波長 : 449-461 nm
最大輸出 : 148 mW
IEC 60825-1:2007

CLASS 1 LASER PRODUCT
PRODUIT LASER DE CLASSE 1
LASERPRODUKT DER KLASSE 1
IEC/EN 60825-1:2014

RG2

Laser Projector

Multifunctional projectors suitable for use in large classrooms including university

MP-EU5002 / MP-EW5002 / MP-EX5002

3LCD AMX DEVICE DISCOVERY CRESTRON connected

maxell

Maxell, Ltd. 5030 Totsuka-cho, Totsuka-ku Yokohama, 244-0003, Japan http://proj.maxell.co.jp/en/

*Projected images are simulations.

LINE UP
Local availability may be limited.

MP-EU5002 WUXGA 5,000 lm — 3LCD — LASER Light Source

MP-EW5002 WXGA 5,000 lm — 3LCD — LASER Light Source

MP-EX5002 XGA 5,300 lm — 3LCD — LASER Light Source

High Reliability and Stability

Long Life 20,000 hour Laser Light Source

Maxell's laser light source projectors have 20,000 hours[1] of light source life. Use for 50,000 hours[1] can be achieved in LONG LIFE 2 mode. Also, users may select their desired operation mode. Furthermore, in addition to the light source, the phosphor wheel is also dust resistant, suppressing brightness level reduction by preventing dust from coming into contact with the optical parts. Users can enjoy using the projector for long periods of time while maintaining its brightness.

[1] For laser light source. The value is an estimate and may vary depending on the use environment or use condition.

Screen / Projection lens / R / G / B / LCD(Red, Green, Blue) / Blue Laser (Light source) / Phosphor wheel
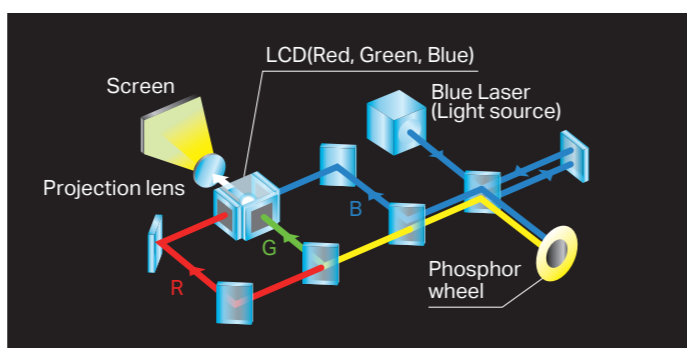
LIGHT OUTPUT	Brightness[2]		Light source life[3]	Noise[4]
	MP-EU5002 MP-EW5002	MP-EX5002		
NORMAL	5,000 lm	5,300 lm	20,000 hours	34 dB
LONG LIFE 1	3,750 lm	3,975 lm	30,000 hours	
LONG LIFE 2	2,500 lm	2,650 lm	50,000 hours	
WHISPER	2,500 lm	2,650 lm	20,000 hours	28 dB

[2] These are reference values and may vary depending on products.
[3] The values are an estimate and may vary depending on the usage environment or use condition.
[4] Reference values when used in an ambient temperature of 23 °C. The noise level varies by the projector model, installation environment, and use condition.

Brightness Deterioration Comparison between Light Output Modes
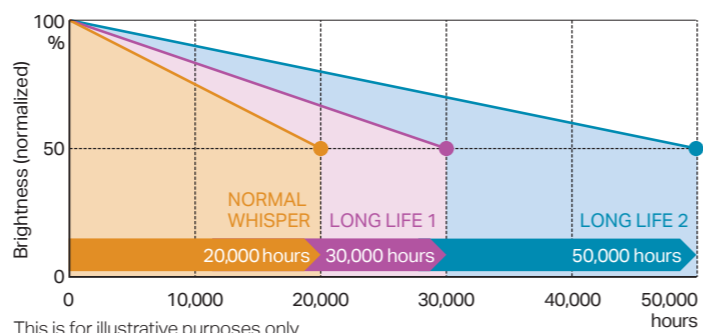
NORMAL WHISPER 20,000 hours / LONG LIFE 1 30,000 hours / LONG LIFE 2 50,000 hours
This is for illustrative purposes only.

High Image Quality

Wide Range of Color Reproduction

The color reproduction range is wide compared to lamp light projectors[5] and projects brilliantly colored images.

[5] Comparison with Maxell 5,000-lumen lamp light source LCD projectors.

* The projected image is simulations.

ACCENTUALIZER and HDCR

ACCENTUALIZER makes pictures look more real by enhancing shade, sharpness, and gloss to make pictures clearer. The HDCR function corrects blurred images caused by room lighting or outside light sources, and creates an effect similar to increasing contrast resulting in clear images even in bright rooms.

Bright room HDCR OFF / Bright room HDCR ON
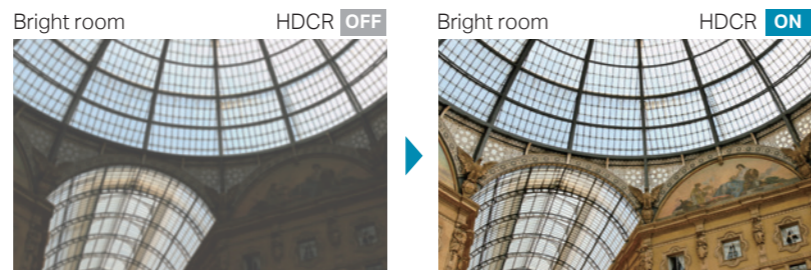
* The projected images and comparison photos are simulations.

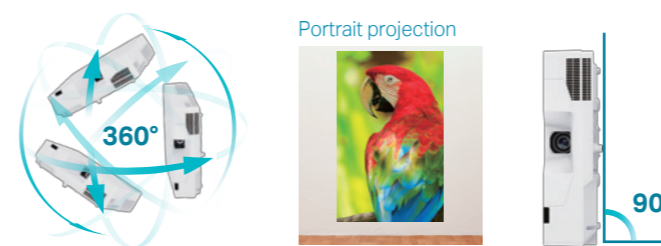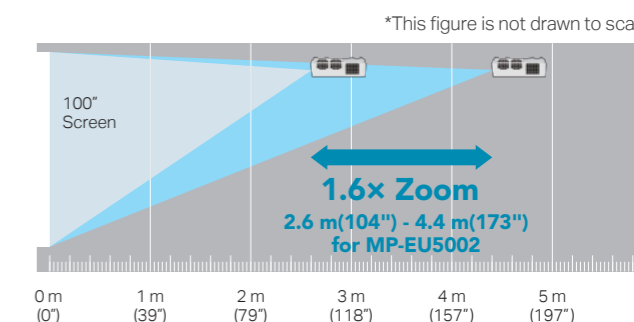
Installability

360° Projection

This projector provides great installation flexibility as it can be installed at various angle. By rotating the projector 90 degrees, you can project vertically long images (Portrait Projection).

Portrait projection / 360° / 90°

Perfect Fit

Equipped with Perfect Fit with which the position of four corners and four sides of a projected image can be adjusted. With the remote controller at hand, you can quickly correct the distorted image such as pincushion or barrel.
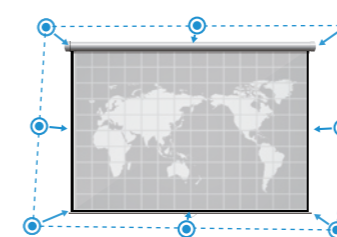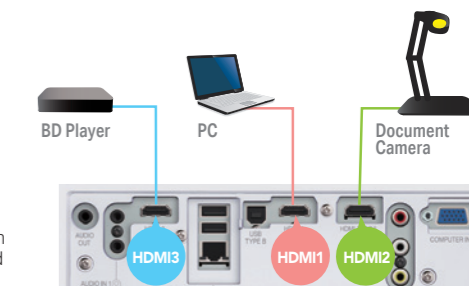

1.6× Zoom Lens

Featuring a powerful 1.6× manual zoom lens, the projectors allow for a greater range of installation possibilities.

*This figure is not drawn to scale.

100" Screen
1.6× Zoom 2.6 m(104") - 4.4 m(173") for MP-EU5002
0 m (0") / 1 m (39") / 2 m (79") / 3 m (118") / 4 m (157") / 5 m (197")

3 HDMI® inputs (MP-EU5002 only) *6

Equipped with 3 HDMI input terminals for the current widely-used interface.

*6 Two HDMI inputs on MP-EW5002 and MP-EX5002

BD Player / PC / Document Camera / HDMI3 / HDMI1 / HDMI2

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Convenient Functions

Easy Schedule Setting

You can schedule routine and special projector events, including power on, power off, input selection and other settings.

EVENT SCHEDULE
MONDAY to FRIDAY
08:00 POWER ON
INPUTSOURCE COMPUTER IN 1
12:30 INPUTSOURCE HDMI 1
17:00 POWER OFF

* This function requires a coin battery for the internal clock or connecting to an SNTP server on network.
* When STANDBY MODE is set to NETWORK(WOL) or SAVING, this function (ex. POWER ON) at standby mode will not be operated.

Wireless Dual Band Support (Option)

Provides a stable wireless network environment by supporting wireless dual band (2.4 GHz / 5 GHz).
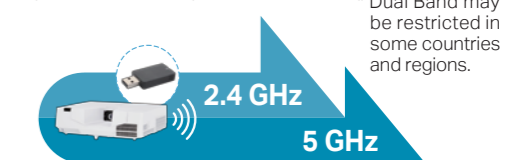
* Dual Band may be restricted in some countries and regions.

2.4 GHz / 5 GHz

Other Functions • Quick Start • DICOM® Simulation Mode*7 • 16W Internal Speaker • MHL connectivity • Smart Device Control & Monitoring • Moderator Control Mode • PIN lock · Key lock

*7 This projector is not a medical device and is not compliant to the DICOM standard, and neither the projector nor this function should be used for medical diagnosis.