Specifications

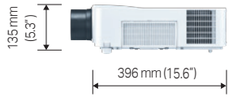
Model name		MC-WU8461
Display system		3LCD
Display device	Size of effective display area	0.76" × 3 aspect ratio 16:10
	Number of pixels	2,304,000 pixels (1,920 horizontal × 1,200 vertical)
Lens		Optional (Middle throw lens ML-703 equipped as standard)
	Zoom	Motorized (2.0x in the case of ML-703)(except for the option lens FL-701)
	Focus	Motorized
	Lens shift	Motorized (V,H) (except for the option lens FL-701)
Light source		365 W lamp
Screen size		30 ~ 600 inch
Light output (Brightness)*1		6,000 lm
Contrast ratio (full white / full black)*2		5,000 : 1 (Presentation mode)
Speaker		8 W × 2 (stereo)
Displayable scanning frequency	Horizontal	15 ~ 106 kHz
	Vertical	56 ~ 120 Hz
Display resolution	Computer	WUXGA *3 (max.) *Native resolution is WUXGA.
	Video	1080P (max.) *Native resolution is WUXGA.
Terminals	HDMI IN	HDMI connector × 2 (HDCP compliant)
	COMPUTER IN	Mini D-sub 15-pin connector × 1
	MONITOR OUT	Mini D-sub 15-pin connector × 1
	VIDEO	RCA connector × 1
	S-VIDEO	Mini DIN 4-pin connector × 1
	COMPONENT VIDEO (Y, Cb/Pb, Cr/Pr)	3 RCA connector × 1
	HDBaseT	RJ-45 connector × 1
	AUDIO IN	2 RCA connector × 1, 3.5mm (stereo) mini connector × 2
	AUDIO OUT	2 RCA connector × 1
	CONTROL IN (RS-232C)	D-sub 9-pin connector × 1
	LAN	RJ-45 connector × 1
	USB-A	USB type A connector × 2 (PC-LESS Presentation or Wireless adapter (option))
	USB-B	USB type B connector × 1 (USB display or USB mouse control)
	REMOTE CONTROL IN	3.5mm (stereo) mini connector × 1
	REMOTE CONTROL OUT	3.5mm (stereo) mini connector × 1
Network	Wired	100BASE-TX / 10BASE-T
	Wireless (Option*4)	IEEE 802.11b/g/n
Operating temperature		0 ~ 45 ℃ (32 ~ 113 ℉) at altitudes from 0 to 3,048 m (0~10,000 ft)
Operating humidity		10-90%RH (non-condensing)
Power requirements		AC 100 V - 120 V (50/60 Hz) , 5.5 A, AC 220 V - 240 V (50/60 Hz) , 2.8 A
Power consumption		AC100 - 120 V : 550 W, AC220 - 240 V : 520 W
Standby mode power consumption		Less than 0.35 W at saving mode*5
Standard outside dimensions (W × H × D)		498 mm × 135 mm × 396 mm (19.6" × 5.3" × 15.6") (Excluding lens and protruding parts)
Weight		Approx. 9.2kg (20.3lbs.)
Accessories		Remote control with two AA batteries, Power cord, Computer cable, Lens cover, User's manual, Security label, Adapter cover
Optional parts	USB wireless adapter	USB-WL-11N*6
	Lamp	DT01471
	Filter	UX38242
	Optional lens	FL-701 (Fixed short throw lens), SL-712 (Short throw lens) ML-703 (Middle throw lens), ML-713 (Middle throw lens) LL-704 (Long throw lens), UL-705 (Ultra long throw lens)
	Mounting accessory	HAS-8150 (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)

*1 When PICTURE MODE is set to NOMAL, ACTIVE IRIS is set to OFF, and ZOOM position is WIDE (max). *2 When PICTURE MODE is set to NOMAL, ACTIVE IRIS is set to ON, and ZOOM position is WIDE (max). *3 WUXGA (60Hz) Reduced Blanking only. *4 Optional wireless adapter is needed. *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 wireless adapter varies depending on the country and the region.

Dimensions

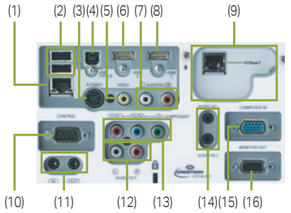
[Front view]

[Side view]



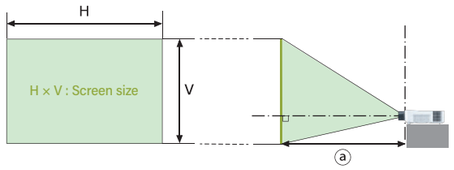
*The figures are not drawn to scale.

Terminals



(1) LAN (2) USB-A x 2 (3) S-VIDEO (4) USB-B (5) VIDEO (6) HDMI IN 2 (7) AUDIO IN 3 (8) HDMI IN 1
(9) HDBaseT (10) CONTROL (11) REMOTE CONTROL IN / OUT (12) AUDIO OUT
(13) COMPONENT VIDEO (14) AUDIO IN 1 / 2 (15) COMPUTER IN (16) MONITOR OUT

Projection Distance



H x V : Screen size
ⓐ : Projection distance (from the projector's front panel to screen.)(±10%)
*The figure is not drawn to scale

16:10 screen (1,920 × 1,200)(±10%)

Screen type	Screen size H		Screen size V		FL-701	SL-712		ML-703		ML-713		LL-704		UL-705	
					Fixed	ⓐ min.	ⓐ max.	ⓐ min.	ⓐ max.	ⓐ min.	ⓐ max.	ⓐ min.	ⓐ max.	ⓐ min.	ⓐ max.
inch	m	inch	m	inch	m	m	m	m	m	m	m	m	m	m	m
80	1.7	68	1.1	42	1.4	2.0	3.1	2.6	5.1	3.0	5.0	4.9	8.3	8.3	14.1
100	2.2	85	1.3	53	1.8	2.5	3.8	3.2	6.4	3.7	6.3	6.1	10.3	10.3	17.6
150	3.2	127	2.0	79	2.6	3.8	5.7	4.8	9.6	5.5	9.4	9.1	15.5	15.4	26.2
200	4.3	170	2.7	106	3.5	5.1	7.6	6.4	12.8	7.4	12.5	12.2	20.7	20.4	34.9
300	6.5	254	4.0	159	5.2	7.6	11.4	9.6	19.1	11.1	18.8	18.2	31.1	30.5	52.2
400	8.6	339	5.4	212	6.9	10.1	15.2	12.8	25.5	14.7	25.0	24.3	41.5	40.5	69.6
500	10.8	424	6.7	265	8.6	12.6	19.0	16.1	31.9	18.4	31.3	30.4	51.9	50.6	86.9
600	12.9	509	8.1	318	10.3	15.2	22.8	19.3	38.3	22.1	37.6	36.5	62.3	60.7	104.3
700	15.1	594	9.4	371	12.1	17.7	26.6	22.5	44.6	25.8	43.9	42.6	72.7	70.8	121.7
800	17.3	679	10.8	424	13.8	20.2	30.4	25.7	51.0	29.5	50.2	48.7	83.1	80.9	139.1
900	19.4	764	12.1	477	15.5	22.7	34.2	28.9	57.4	33.2	56.5	54.8	93.5	91.1	156.5
1000	21.6	849	13.5	530	17.3	25.3	38.0	32.1	63.7	36.9	62.8	60.9	103.9	101.2	173.9
1100	23.8	934	14.8	583	19.0	27.8	41.8	35.3	70.1	40.6	69.1	67.0	114.3	111.3	191.3
1200	25.9	1019	16.2	636	20.7	30.3	45.6	38.5	76.4	44.3	75.3	73.1	124.7	121.4	208.7
1300	28.1	1104	17.5	689	22.4	32.8	49.4	41.7	82.8	47.9	81.5	79.1	135.1	131.5	226.1
1400	30.2	1189	18.9	742	24.2	35.4	53.2	44.9	89.1	51.6	87.8	85.2	145.5	141.7	243.5
1500	32.4	1274	20.2	795	25.9	37.9	57.0	48.1	95.5	55.3	94.0	91.3	155.9	151.8	260.9
1600	34.6	1359	21.6	848	27.6	40.4	60.8	51.3	101.8	59.0	100.3	97.4	166.3	161.9	278.3
1700	36.7	1444	22.9	901	29.3	42.9	64.6	54.5	108.2	62.7	106.7	103.5	176.7	172.0	295.7
1800	38.9	1529	24.3	954	31.1	45.5	68.4	57.7	114.5	66.4	113.1	109.7	187.1	182.2	313.1
1900	41.0	1614	25.6	1007	32.8	48.0	72.2	60.9	120.9	70.1	119.4	115.8	197.5	192.3	330.5
2000	43.2	1699	27.0	1060	34.5	50.5	76.0	64.1	127.2	73.8	125.8	122.0	207.9	202.5	347.9

Environment

- **Compliance with EU Directive RoHS*1**
- **Reduction of resin usage in production** Use of hot runners in molds for making upper housing in order to reduce mill ends.

*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".

—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 (lamp, 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. • These projectors use a mercury lamp with high internal pressure. Because of its properties, this lamp may burst with a loud noise or burn out if struck or after it has been used for a period of time. The time until it bursts or burns out varies greatly according to differences between lamps and usage conditions. Turning the lamp' s power on and off frequently shortens its service life. • Optical components other than the lamp: 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. • Do not turn projector on again for ten minutes after shutdown. Neglect can shorten the lifetime or the lamp. During use and immediately after use, do not touch anywhere near the lamp and the vents as these parts are extremely hot. • 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 Connected and the Crestron Connected Logo are registered trademarks of Crestron Electronics. • DICOM is the registered trademark of the National Electrical Manufactures Association for its standards publications relating to digital communications of medical information. • 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. • HDBaseT ™ and the HDBaseT Alliance logo are trademarks of the HDBaseT Alliance. • All other trademarks are the properties of their respective owners.

maxell

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March 2019

MHP-E014 032019

LCD Projector

maxell
Within, the Future

MC-WU8461

Providing advanced functions and flexible installation features.

*Projected images are simulations.

MC-WU8461

WXGA 6,000 lm

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

HDBT™

product design award 2013 GOLD

Awarded models: MC-WU8461
The iF Design Award is a prestigious worldwide design award that began in 1953 in Germany, the origin of modern design. The projector was awarded the iF Gold Award.

Option lens

FL-701
Fixed short throw lens
Zoom: x1.0

SL-712
Short throw lens
Zoom: ×1.5

ML-703[*1]
Middle throw lens
Zoom: ×2.0

ML-713
Middle throw lens
Zoom: ×1.7

LL-704
Long throw lens
Zoom: ×1.7

UL-705
Ultra long throw lens
Zoom: ×1.7

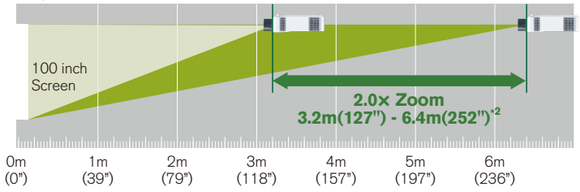
*1 ML-703 comes standard on the projector models above. * Local availability may be limited.

Advanced Installability and System Features for Various Uses

2.0× Zoom Lens

Featuring a powerful 2.0× zoom lens, the projectors allow for a greater range of installation possibilities. This is particularly convenient in rooms that lack installation flexibility due to ceiling obstructions such as water sprinklers, vents, and lighting fixtures.

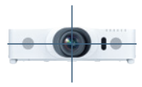
Projection distance for 100 inch screen



*2 The projection distance above is for the Lens of ML-703.
* This figure is not drawn to scale.

Lens Center Design

By aligning the center of the projector and lens, the installation position of the projector becomes simple during the design and construction of a facility.



360° Projection

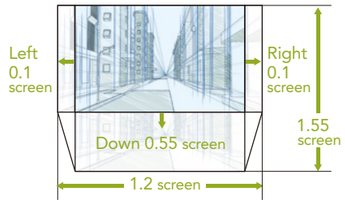
The projectors can be installed facing vertical 360 degree directions*3 providing many projection possibilities. For example, you can install a projector to project onto a floor or ceiling. You can utilize the projectors in many different ways.

*3 When the ultra long throw lens UL-705 is attached, the projector cannot be installed facing its projection lens upward or downward.

Motorized Lens Shift

The motorized lens shift lets you choose more convenient installation locations, even for large spaces.

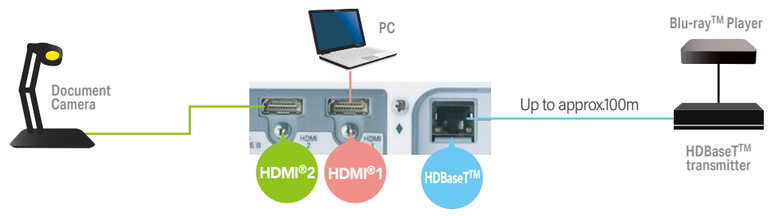
* The figure on the right shows the lens shift range for the projector with the standard lens ML-703 at the ceiling mounting position.



* This figure is not drawn to scale.

Digital connectivity

Equipped with the HDBaseT™ and 2 HDMI® IN terminals. HDBaseT™ input capable transmitting signal switch no image degradation using standard LAN cables (Cat5e or higher, shielded type) of up to approx. 100m.



High Image Quality and Visibility

ACCENTUALIZER and HDCR

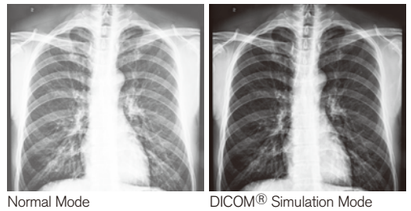
ACCENTUALIZER makes pictures look more real by enhancing shade, sharpness, and gloss, to make pictures clearer. The HDCR function corrects blurred images caused by room lighting or outside light sources and creates an effect similar to increasing contrast resulting in clear images even in bright rooms.

* Comparison photos are simulations.

DICOM® Simulation Mode

The DICOM®(Digital Imaging and Communications in Medicine) Simulation Mode projects grayscale images which approximate DICOM® Part 14 specifications. This mode is suitable for viewing grayscale medical images, such as X-rays, for training and educational purposes.

The projectors have a DICOM® Simulation Mode. This mode simulates the DICOM® standard, which is a standard applicable to digital communications in medicine, and is useful for displaying medical images such as X-rays. These projectors are not medical devices and are not compliant with the DICOM® standard, and neither the projector nor the DICOM® Simulation Mode should be used for medical diagnosis.
* Comparison photos are simulations.



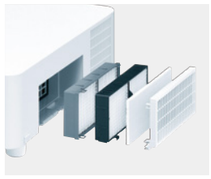
Normal Mode | DICOM® Simulation Mode

High Reliability and Stability

Hybrid Filter

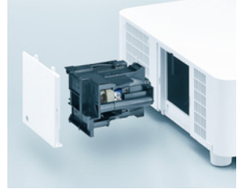
The projectors use a three-layer filter with two layers of unwoven cloth and a static electrode filter. The filter can last up to 20,000 hours*4 without cleaning, reducing maintenance time.

*4 This is an estimate of the acceleration test performed under the condition of 50mg/m³ suspension dust concentration using JIS (Japanese Industrial Standards) standard powder. Cleaning intervals vary depending on the use environment.



Easy Maintenance

The lamp door and the filter cover are located on both sides, facilitating maintenance and replacement when the projector is installed on the ceiling. The serial number and MAC address are also labeled on the side chassis for easy readability.



Status Monitor

The status monitor is a sub-LCD located on the rear panel of the projector. It displays the present condition of the projector, including errors, setup information, and error history.

Real time monitoring
- Lamp time ・Filter time
- Projector usage time
- IP Address

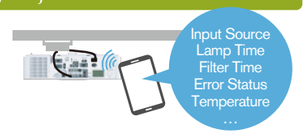
Error and alarm message
- Cover error ・Lamp error
- Temperature error
- Filter cleaning time

and more…

An error message turns on.

Monitoring Projector Status

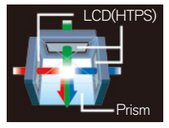
The projectors allow you to get the information displayed on the status monitor and more by your tablet or smartphone with the latest dedicated free online application when you need, even if you are not close to the projector.



* Available information depends on the model of projector.
The optional USB wireless adapter USB-WL-11N supporting IEEE801.11b/g/n is required when you connect the projector to a wireless network.

Inorganic LCD panels

Maxell 3LCD projectors incorporate three LCD panels with inorganic alignment layers that are light resistant, increasing brightness and contrast ratio. They provide smooth images and high reliability.



HTPS
(High Temperature Poly-Silicon)

Other Features

[Network] : Projector Control, Wireless capability (option), Easy Scheduling Setting, Network presentation **[Installability]** : Instant Stack **[Security]** : PIN lock, Key lock, Lens lock **[Usability]** : Multi-language user menu, Direct Power On/Off, Magnify, PbyP / PinP, Remote ID, Wired/Wireless(IR) remote control