LCD Projector

maxell
Within, the Future

Specifications

Model name		MC-WX8265	MC-X8170
Display system		3LCD	
Display device	Size of effective display area	0.75" × 3 aspect ratio 16:10	0.79" × 3 aspect ratio 4:3
	Number of pixels	1,024,000 pixels (1,280 horizontal × 800 vertical)	786,432 pixels (1,024 horizontal × 768 vertical)
Lens		Optional (Middle throw lens ML-703 equipped as standard)	
	Zoom	Motorized (2.0× in the case of ML-703) (except for the option lens FL-701)	
	Focus	Motorized	
	Lens shift	Motorized (V,H)	
Light source		365 W lamp	
Screen size		30 ~ 600 inch	
Light output (Brightness)*1		6,500 lm	7,000 lm
Contrast ratio (full white / full black)*2		3,000 : 1	
Displayable scanning frequency	Horizontal	15 ~ 106 kHz	
	Vertical	56 ~ 120 Hz	
Display resolution	Computer	UXGA*3 (max.) *Native resolution is WXGA.	UXGA*3 (max.) *Native resolution is XGA.
	Video	1080P (max.) *Native resolution is WXGA.	1080P (max.) *Native resolution is XGA.
Terminals	HDMI IN	HDMI connector × 2 (HDCP compliant)	
	COMPUTER IN	Mini D-sub 15-pin connector × 1, 5BNC 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	
	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 × 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 x 1	
	REMOTE CONTROL OUT	3.5mm (stereo) mini connector x 1	
Network	Wired	100BASE-TX / 10BASE-T	
	Wireless (Option*4)	IEEE 802.11b/g/n	
Operating temperature		0 ~ 45 ℃ (32 ~ 113 ℉) at altitude 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) , 5.1 A, AC 220 V - 240 V (50/60 Hz) , 2.5 A	
Power consumption		AC 100V-120V : 500W, AC 220V-240V : 480W	
Standby mode power consumption		Less than 0.35 W at saving mode*5	
Standard outside dimensions (W × H × D)		498mm × 135mm × 396mm (19.6" × 5.3" × 15.6") (Excluding lens and protruding parts)	
Weight		Approx. 8.8 kg (19.4 lbs.) (Excluding lens)	
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	DT01478	
	Air 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 accessories	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 Supported except for HDMI input. *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.

Environment

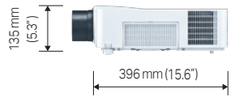
- **Compliance with EU Directive RoHS*1**
- **Reduction of resin usage in production**
  Use of hot runners in molds for making upper housing in order to reduce mill ends.

*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".

Dimensions

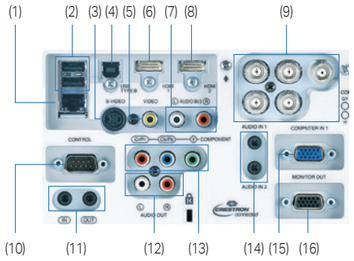
[Front view]

[Side view]



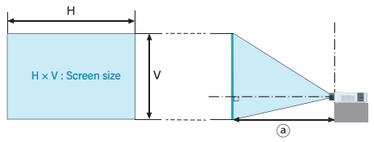
*The figures are not drawn to scale.

Terminals



(1) LAN (2) USB-A x 2 (3) S-VIDEO (4) USB-B (5) VIDEO (6) HDMI IN 1 (7) AUDIO IN 3 (8) HDMI IN 2
(9) COMPUTER IN 2 (10) CONTROL (11) REMOTE CONTROL IN / OUT (12) AUDIO OUT
(13) COMPONENT VIDEO (Y, Cb/Pb, Cr/Pr) (14) AUDIO IN 1 / 2 (15) COMPUTER IN 1
(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

MC-WX8265 16 : 10 screen (1,280 x 800)(±10%)

Screen type	Screen size H		Screen size V		FL-701 Fixed		SL-712 ⓐ min.		SL-712 ⓐ max.		ML-703 ⓐ min.		ML-703 ⓐ max.		ML-713 ⓐ min.		ML-713 ⓐ max.		LL-704 ⓐ min.		LL-704 ⓐ max.		UL-705 ⓐ min.		UL-705 ⓐ max.	
inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch
80	1.7	68	1.1	42	1.4	57	2.1	82	3.1	123	2.6	104	5.2	206	3.0	119	5.1	201	5.0	196	8.4	332	8.5	334	14.4	566
100	2.2	85	1.3	53	1.8	71	2.6	102	3.9	154	3.3	129	6.5	257	3.8	148	6.4	251	6.2	244	10.5	415	10.5	415	17.9	705
150	3.2	127	2.0	79	2.7	105	3.9	153	5.8	230	4.9	194	9.8	385	5.6	221	9.5	375	9.3	366	15.8	624	15.7	617	26.7	1053
200	4.3	170	2.7	106	3.5	140	5.2	203	7.8	306	6.6	259	13.0	513	7.5	294	12.7	500	12.4	488	21.1	833	20.8	819	35.6	1401
300	6.5	254	4.0	159	5.3	209	7.7	304	11.7	459	9.8	388	19.5	769	11.2	441	19.0	749	18.6	732	31.8	1250	31.1	1224	53.3	2097
400	8.6	339	5.4	212	7.0	278	10.3	405	15.5	612	13.1	517	26.0	1025	14.9	587	25.3	998	24.8	976	42.4	1668	41.3	1628	71.0	2793
500	10.8	424	6.7	265	8.8	346	12.9	506	19.4	764	16.4	646	32.5	1281	18.6	733	31.7	1247	31.0	1220	53.0	2085	51.6	2032	88.6	3490

MC-X8170 4 : 3 screen (1,024 x 768)(±10%)

Screen type	Screen size H		Screen size V		FL-701 Fixed		SL-712 ⓐ min.		SL-712 ⓐ max.		ML-703 ⓐ min.		ML-703 ⓐ max.		ML-713 ⓐ min.		ML-713 ⓐ max.		LL-704 ⓐ min.		LL-704 ⓐ max.		UL-705 ⓐ min.		UL-705 ⓐ max.	
inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch	m	inch
80	1.6	64	1.2	48	1.4	54	2.0	77	3.0	116	2.5	98	4.9	194	2.9	113	4.9	191	4.7	185	8.0	313	8.0	316	13.6	535
100	2.0	80	1.5	60	1.7	67	2.5	97	3.7	145	3.1	122	6.2	242	3.6	141	6.1	239	5.9	231	10.0	392	10.0	393	16.9	667
150	3.0	120	2.3	90	2.5	99	3.7	144	5.5	217	4.6	183	9.2	363	5.4	211	9.1	357	8.8	346	15.0	589	14.8	584	25.3	996
200	4.1	160	3.0	120	3.4	132	4.9	192	7.4	289	6.2	244	12.3	484	7.1	280	12.1	476	11.7	461	20.0	787	19.7	775	33.6	1324
300	6.1	240	4.6	180	5.0	197	7.3	288	11.0	434	9.3	366	18.4	725	10.7	420	18.1	713	17.6	692	30.0	1181	29.4	1157	50.3	1982
400	8.1	320	6.1	240	6.7	262	9.7	383	14.7	578	12.4	487	24.6	967	14.2	559	24.1	950	23.4	922	40.0	1576	39.1	1539	67.1	2640
500	10.2	400	7.6	300	8.3	327	12.2	478	18.3	722	15.5	609	30.7	1209	17.7	698	30.2	1188	29.3	1153	50.0	1970	48.8	1921	83.8	3298

Providing advanced functions and flexible installation features.

*Projected images are simulations.

—**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. · 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. · All other trademarks are the properties of their respective owners.

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MC-WX8265
WXGA 6,500 lm

MC-X8170
XGA 7,000 lm

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

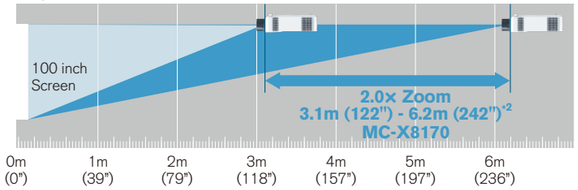
*1 ML-703 comes standard on the projector models above. * Local availability may be limited.

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 MC-X8170 with ML-703.
* This figure is not drawn to scale.

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.

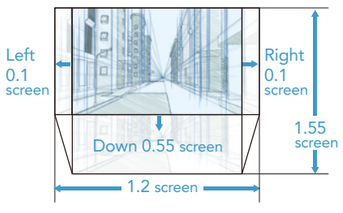
Lens Center Design

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.

Motorized Lens Shift

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

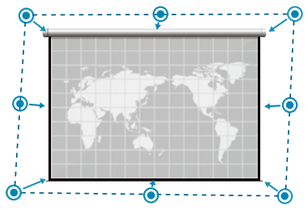
* The figure on the right shows the lens shift range for MC-WX8265 with the standard lens ML-703 at the ceiling mounting position.
* MC-X8170 : 0.5 screen to down (Total 1.50 screen)



* This figure is not drawn to scale.

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.



High Image Quality and Visibility

ACCENTUALIZER and HDCR

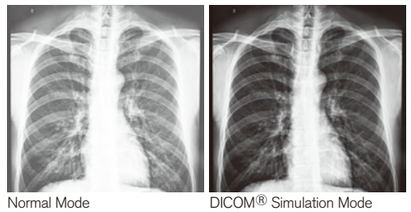
ACCENTUALIZER makes pictures look more real by enhancing shade, sharpness, and gloss, to make pictures clearer. The HDCR function corrects blurred images caused by room lighting or outside light sources and creates an effect similar to increasing contrast resulting in clear images even in bright rooms.

* 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.



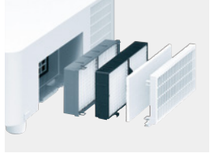
Normal Mode　　DICOM® Simulation Mode

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

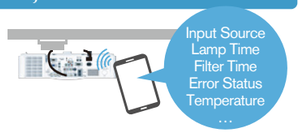
Error and alarm message
- Cover error ・Lamp error
- Temperature error
- Filter cleaning time

and more…

An error message turns on.

Monitoring Projector Status

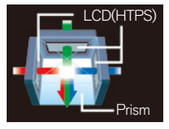
The projectors allow you to get the information displayed on the status monitor and more by your tablet or smartphone with the dedicated free online application when you need, even if you are not close to the projector.



* 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