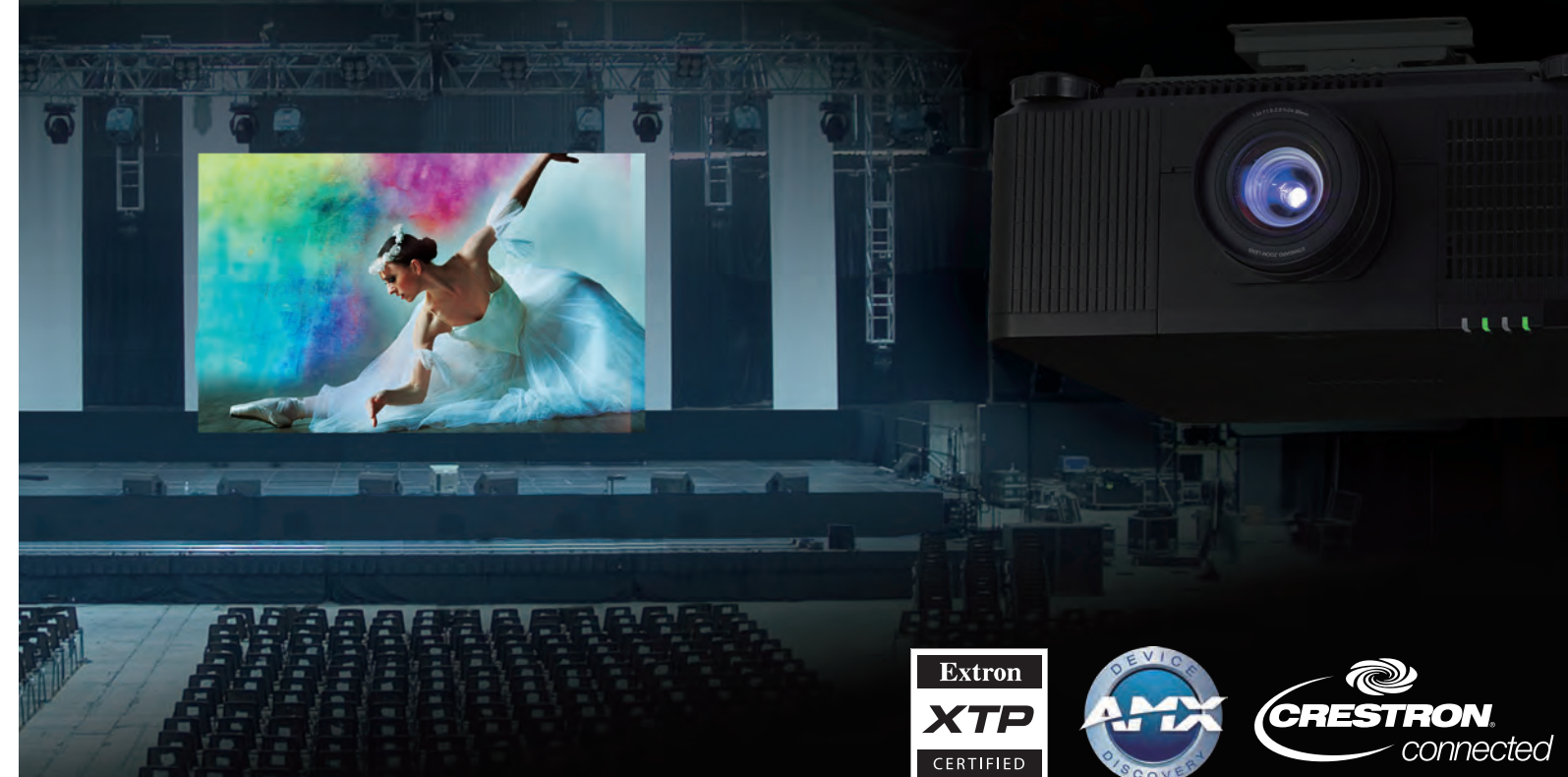


Projectors Installation series

HITACHI
Inspire the Next



Providing advanced functionality
with flexible installation features



HITACHI

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Development and Manufacture : Maxell, Ltd.

April 2018

NM-E506 042018

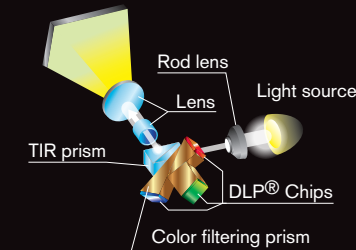


*Projected images are simulations

	Model Name	Display System	Light Output (Brightness)	Resolution	Light Source	Standard Outside Dimensions (W x H x D)	Weight	
	CP-WU13K	3-Chip DLP®	13,000 lm	WUXGA 1,920 x 1,200	465W x 2 lamp	500mm x 270mm x 633mm (19.7" x 10.6" x 24.9") (Excluding lens and protruding parts)	Approx. 34.0kg (75.0lbs.) (Excluding lens)	
	LP-WU9100B <small>LASER</small>	1-Chip DLP®	10,000 lm	WUXGA 1,920 x 1,200	Laser diode	500mm x 216mm x 576mm (19.7" x 8.5" x 22.7") (Excluding lens and protruding parts)	Approx. 28kg (61.7lbs.) (Excluding lens)	
	LP-WU9750B <small>LASER</small>		8,000 lm					
	CP-WU9100W CP-WU9100B		10,000 lm	WUXGA 1,920 x 1,200	430W x 2 lamp		Approx. 17.0kg (37.5lbs.) (Excluding lens)	
	CP-WU9411 CP-WU9410		8,500 lm		370W x 2 lamp		Approx. 16.6kg (36.6lbs.) (Excluding lens)	
	CP-HD9950W CP-HD9950B		9,500 lm	Full HD 1,920 x 1,080	430W x 2 lamp	537mm x 170mm x 438mm (21.1" x 6.7" x 17.2") (Excluding lens and protruding parts)	Approx. 17.0kg (37.5lbs.) (Excluding lens)	
	CP-HD9321 CP-HD9320		8,200 lm		365W x 2 lamp			
	CP-WX9211 CP-WX9210		8,500 lm	WXGA 1,280 x 800	370W x 2 lamp		Approx. 16.6kg (36.6lbs.) (Excluding lens)	
	CP-X9111 CP-X9110		10,000 lm	XGA 1,024 x 768	370W x 2 lamp			
	CP-WU8700W CP-WU8700B	3 LCD	7,000 lm	WUXGA 1,920 x 1,200	430W lamp	501mm x 167mm x 437mm (19.7" x 6.6" x 17.2") (Excluding lens)	Approx. 11.1kg (24.5lbs.) (Excluding lens)	
	CP-WU8600W		6,000 lm		370W lamp			
	CP-WX8750W CP-WX8750B		7,500 lm	WXGA 1,280 x 800	430W lamp			
	CP-WX8650W		6,500 lm		370W lamp			
	CP-X8800W CP-X8800B	3LCD	8,000 lm	XGA 1,024 x 768	430W lamp	498mm x 135mm x 396mm (19.6" x 5.3" x 15.6") (Excluding protruding parts)	Approx. 9.2kg (20.3lbs.)	
	CP-WU8461 CP-WU8451		6,000 lm	WUXGA 1,920 x 1,200	365W lamp			
	CP-WX8265 CP-WX8255A	3LCD	5,000 lm		330W lamp		Approx. 8.8kg (19.4lbs.)	
	CP-WX8265		6,500 lm	WXGA 1,280 x 800	365W lamp		Approx. 8.8kg (19.4lbs.)	
	CP-WX8255A		5,500 lm		330W lamp		Approx. 8.7kg (19.2lbs.)	
	CP-X8170 CP-X8160		7,000 lm	XGA 1,024 x 768	365W lamp		Approx. 8.8kg (19.4lbs.)	
	LP-WU6600 <small>LASER</small>	1-Chip DLP®	6,000 lm	WUXGA 1,920 x 1,200	Laser diode	470mm x 220mm x 521mm (18.5" x 8.7" x 20.5") (Excluding lens)	Approx. 24.5kg (54.0lbs.) (Excluding lens)	
	LP-WU6500 <small>LASER</small>		5,000 lm			360mm x 164mm x 442mm (14.2" x 6.5" x 17.4")	Approx. 11.4kg (25.1lbs.)	
	CP-WU5506M	3LCD	5,200 lm	WUXGA 1,920 x 1,200	300W lamp	466mm x 138mm x 339mm (18.3" x 5.4" x 13.3")	Approx. 7.2kg (15.9lbs.)	
	CP-WU5505		5,200 lm					Approx. 7.1kg (15.7lbs.)
	CP-WU5500		5,200 lm					
	CP-WX5506M		5,400 lm	WXGA 1,280 x 800			Approx. 6.9kg (15.2lbs.)	
	CP-WX5505		5,200 lm					
	CP-WX5500		5,200 lm					
	CP-X5555		5,800 lm	XGA 1,024 x 768				Approx. 6.8kg (15.0lbs.)
	CP-X5550		5,800 lm					

3-Chip DLP®

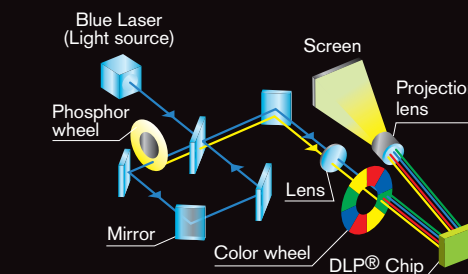
Each chip is divided by a light prism into each of the three primary color chips instead of the light being directed into one unique chip. The light is then redirected and combined through the projector lens as the image. This 3-chip system makes images natural with vivid colors.



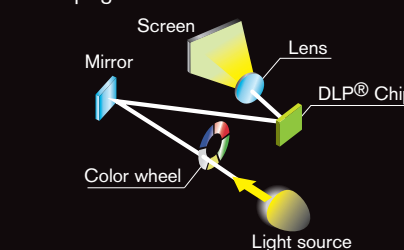
1-Chip DLP®

Projection method that uses a single DLP® chip to switch the red, green, and blue signals according to the color wheel. This method provides excellent color uniformity of images, durability, and is suitable for multiple projections and 24-hour use.

Laser (blue) light source

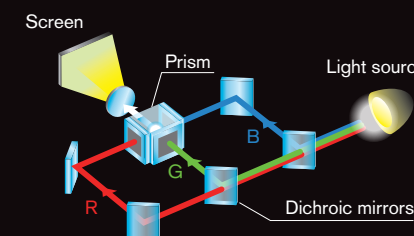


Lamp light source



3 LCD Chips with Inorganic Alignment Layers

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





Project images with vivid colors with high-definition on large screens. The bright 13,000-lumen flagship model with Full HD support.



K Series







LINE UP

CP-WU13K
WUXGA 13,000 lm



* The lens of the projector is sold separately. * Local availability may be limited.

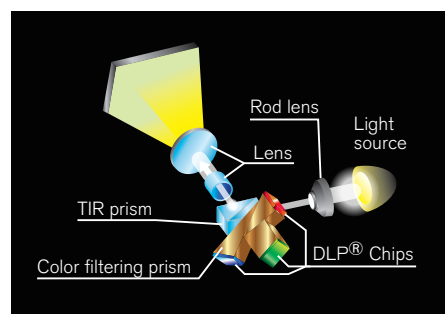
Option lens

- 
FL-K01
Short throw lens
Zoom: x1.0
- 
FL-K02
Short throw lens
Zoom: x1.0
- 
SL-K03
Short throw zoom lens
Zoom: x1.3
- 
ML-K04
Standard zoom lens
Zoom: x1.3
- 
LL-K05
Long throw zoom lens
Zoom: x1.6
- 
UL-K06
Ultra long throw zoom lens
Zoom: x1.6

High Brightness and Image Quality

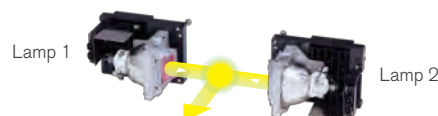
3-Chip DLP®

Each chip is divided by a light prism into each of the three primary color chips instead of the light being directed into one unique chip. The light is then redirected and combined through the projector lens as the image. This 3-chip system makes images natural with vivid colors.



Dual Lamp

Equipped with a dual lamp system that achieves a high brightness of 13,000lm. The period between lamp maintenance can be extended by using the single lamp mode, which automatically chooses and turns on the lamp with lower usage hours.

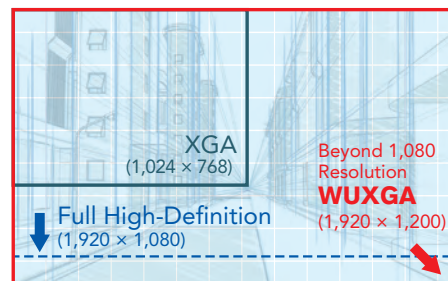


Lamp mode		Brightness
Dual	Normal	13,000 lm
	Eco	10,000 lm
	Power	10,000 - 13,000 lm
Single	Normal	6,500 lm
	Eco	5,000 lm
	Power	5,000 - 6,500 lm

Power mode is useful to keep brightness consistent when using multiple projectors.

WUXGA

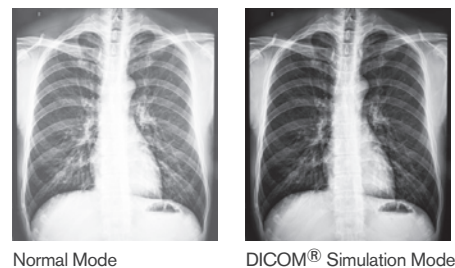
The projectors support high resolution WUXGA that covers Full HD. You can fully enjoy wide-screen images with a sense of reality.



DICOM® Simulation Mode

This mode is suitable for viewing grayscale medical images, such as X-rays, for training and educational purposes.

* This projector is not a medical device and is 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.



Digital Connectivity

4 Digital Inputs

The projector provides 4 digital inputs consisting of HDMI (x2), SDI, and DVI to handle many types of installation environments.

* The 3D DVI input terminal supports the WUXGA / 1080 signals only. No OSD functions are available while the 3D DVI input is selected.



SDI

Equipped with an SDI input, the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable.



Advanced Installability and System Features for Various Uses

Edge Blending

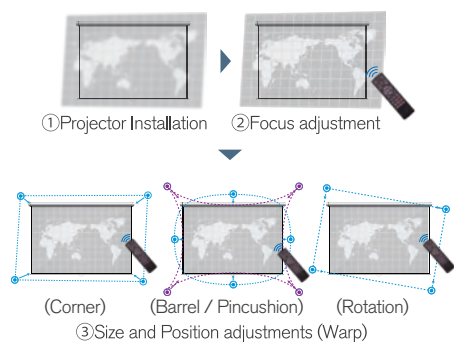
The projectors are equipped with the Edge Blending function that achieves further seamless projection of one image using multiple projectors.

* Additional equipment may be required for this feature.



Powered Focus and Warp

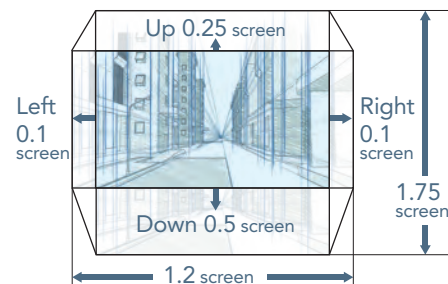
The position of the four corners, sides, and rotation of a projected image can be adjusted with Warp. Focus can be adjusted with Powered Focus. The focus and position can easily be adjusted with the remote control.



Motorized Lens Shift

The motorized lens shift lets you choose more convenient installation locations, even for large spaces. The figure shows the lens shift range at the ceiling mounting position.

* Not available with FL-K01 lens.



* This figure is not drawn to scale.

High Reliability and Stability

Hybrid Filter

The finely crafted form of the projectors incorporates a two-layer filter, providing defense against dust with a pleats type filter and urethane filter. Thanks to easy maintenance, this model is suitable for use in retail, digital signage, and other environments where the projector is in constant use.



Options

Ceiling Mount

The ceiling mount lets you hang the projector with a distance of up to 97 cm from the ceiling. You can move the projector up and down or rotate it to finely adjust the position of the projected screen.



HAS-13K

Frame

The stackable frames for the K series let you create a 2-level frame with projectors that are secured. They are equipped with adjustment mechanisms to tilt, elevate, and pan allowing you to finely adjust the position of the projected screen.



FS-13K



2-level frame configuration

9000 Series



With a stable projection performance and high installability, the laser projector is suitable for various purposes.



LINE UP

LP-WU9100B

WUXGA 10,000 lm



LP-WU9750B

WUXGA 8,000 lm



* The lens of the projector is sold separately. * Local availability may be limited.

Option lens

FL-920
Ultra short throw fixed lens
Zoom: $\times 1.0$

USL-901A
Ultra short throw lens
Zoom: $\times 1.3$

SL-902
Short throw lens
Zoom: $\times 1.5$

SD-903
Standard lens
Zoom: $\times 1.5$

ML-904
Middle throw lens
Zoom: $\times 1.5$

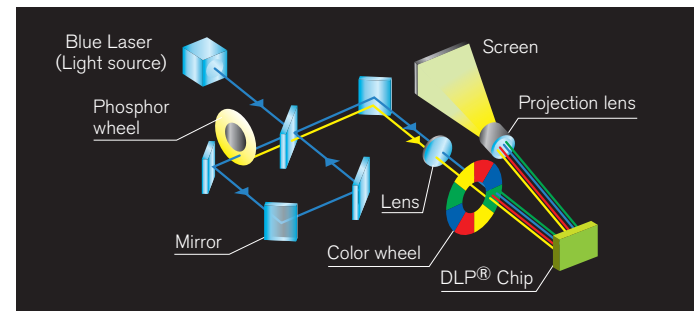
LL-905
Long throw lens
Zoom: $\times 1.6$

UL-906
Ultra long throw lens
Zoom: $\times 1.6$

High Reliability and Stability

Long life 20,000 hours*¹ Laser light source

Light source combined Blue laser diodes and Phosphor can achieve high brightness of 10,000 Lumens (LP-WU9100B) / 8,000 Lumens (LP-WU9750B). The projection image has a bright, clear, and vivid in color. Since lamp exchange is unnecessary, maintenance cost is reduced. Furthermore, you do not need to worry about lamp life, and it is fit for digital signage purposes that require long hours of continuous projection. Because the product does not use mercury lamps, it is eco-friendly. *¹ For laser light source. Not a guaranteed value.

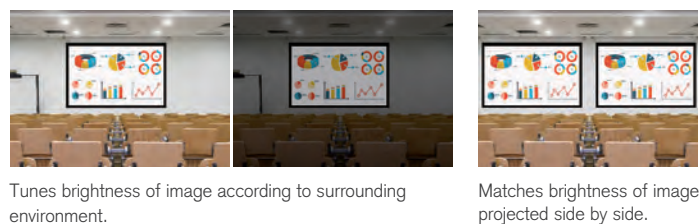


Dust resistant structure by sealed engine

Reduces the invasion of dust and other particles in the air that decrease the brightness when they get attached to the optical parts. Reduces the decrease in brightness due to dust, resulting in a long lasting bright, clear, and vivid colored picture. Eliminates the intake filter and filter maintenance.

Laser Power Level Control

Power of laser light source is controllable by every 1% step*². You can adjust brightness of the projection image to fit the luminance of the environment and can save power consumption. This feature helps you to adjust the similar brightness of projectors, for example, the side-by-side projection and edge blending applications. *² The adjustment range is 20~100% at Custom mode.



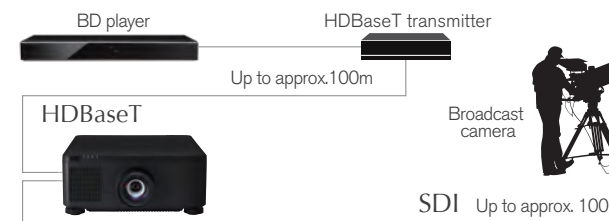
Tunes brightness of image according to surrounding environment.

Matches brightness of images projected side by side.

Advanced Installability

Digital Connectivity

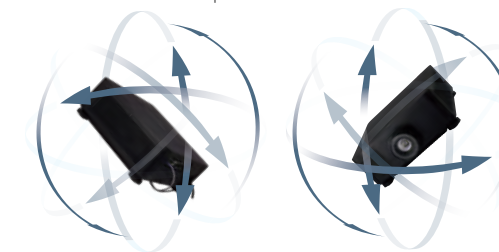
Equipped with an SDI input, the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable. Projectors provide 5 digital inputs: SDI, HDBaseT™, HDMI 1/2, and DVI-D.



360° Projection

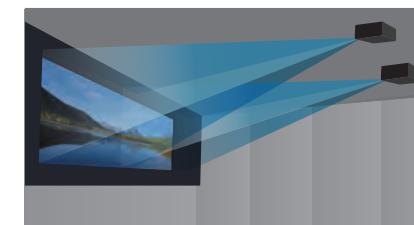
The projectors provide great installation flexibility as they can be installed at various angles*³.

*³ The life of optical parts may shorten if the projector is installed with the lens facing downward or the IO connector side upward.



Edge Blending

The projectors are equipped with the Edge Blending function that achieves further seamless projection of one image using multiple projectors.

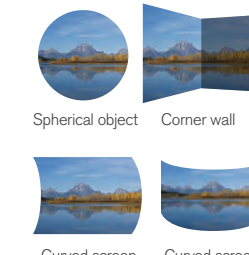


* Additional equipment may be required for this feature.

Geometry Correction * LP-WU9100B only

This feature enables to project pictures on spherical surfaces and surfaces with corners, as well as conventional flat screens. You can project a huge image even on a curved screen by using the edge blending function simultaneously.

* The specialized application for geometry correction is required.



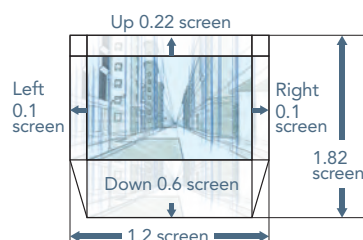
Wide range of Color Reproduction

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

Interchangeable Lens Options

Motorized Lens Shift

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

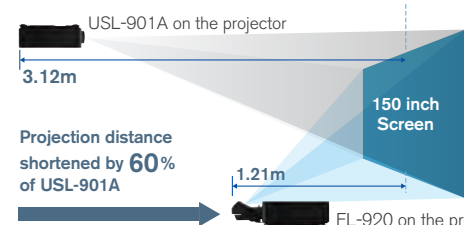


* This figure shows the lens shift range for the projector with the optional lens SD-903 at the ceiling mounting position. For the other lens and projectors, please see page 29. * This figure is not drawn to scale.

Ultra Short Throw fixed lens

All Glass lens

FL-920 uses all glass lenses that reduce the blurring that occurs under changes between high and low temperature.



* Secure a clearance of 50 cm or greater between the exhaust vents and a screen or walls. * This figure is not drawn to scale.

Ceiling mount HAS-404U

Ceiling mount bracket with 6-axis adjustment mechanism. Adopting the Jack system, it is easy to adjust elevation.



High Image Quality and Visibility

ACCENTUALIZER * LP-WU9100B only

This function makes pictures look more real by enhancing (1) Shade, (2) Sharpness and (3) Gloss to make pictures clear. You can also adjust the effects by three levels according to your surroundings, video contents, etc.

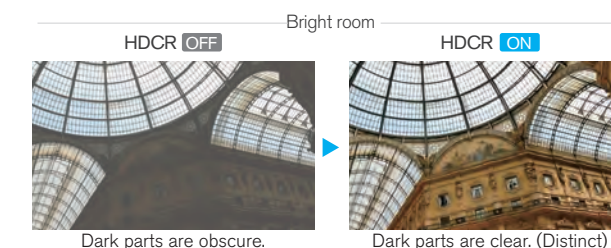
* Comparison photos are simulations.



HDCR (High Dynamic Contrast Range) * LP-WU9100B only

When average projectors are used in bright rooms, the darker colors of an image deteriorate and images become unclear. Using this function, blurred images caused by room lighting or outside light sources are corrected, and an effect similar to increasing contrast occurs. This results in clear images even in bright rooms.

* Comparison photos are simulations.



9000 Series

Models that are suitable for 24-hour use and capable of multi-projection using multiple projectors



LINE UP

		WH CP-WU9100W BL CP-WU9100B WUXGA 10,000 lm	WH CP-WU9411 BL CP-WU9410 WUXGA 8,500 lm
WH CP-HD9950W BL CP-HD9950B Full HD 9,500 lm	WH CP-HD9321 BL CP-HD9320 Full HD 8,200 lm	WH CP-WX9211 BL CP-WX9210 WXGA 8,500 lm	WH CP-X9111 BL CP-X9110 XGA 10,000 lm

* The lens of the projector is sold separately. * Local availability may be limited.



Option lens

FL-910 Ultra short throw fixed lens Zoom: ×1.0	USL-901A Ultra short throw lens Zoom: ×1.3	SL-902 Short throw lens Zoom: ×1.5	SD-903 Standard lens Zoom: ×1.5	ML-904 Middle throw lens Zoom: ×1.5	LL-905 Long throw lens Zoom: ×1.6	UL-906 Ultra long throw lens Zoom: ×1.6

High Image Quality and Visibility

Built-in Dual Color Wheel

Two color wheels are built in to match usage conditions. By switching the color wheel, you can achieve an image quality to match the projected image. Previously requiring the services of an expert, this feature allows you to switch the color wheel in about 10 seconds with the remote control without having to open the chassis to install the color wheel.



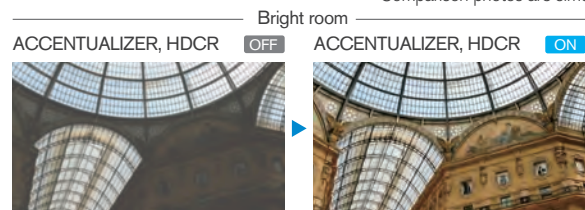
Bright mode : Prioritizes brightness and sharpens white colors. Achieves projections with bright and high contrast images, making it suitable for presentations and other situations that require the sharing of information.



Rich Color mode : Reproduces color in levels equivalent to digital cinema. Suitable for use in museums and for viewing videos that emphasize color.

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.

COLOR MANAGEMENT*1

This feature allows you to change the HUE, SATURATION, and LUMINANCE for each of 6 colors (red, green, blue, cyan, magenta, and yellow) without influencing each other. With this technology, for example, you can change only bluish colors, such as the sky, while maintaining the other colors by adjusting the HUE of the blue.

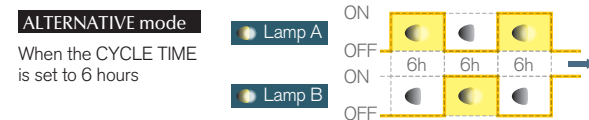
* Comparison photos are simulations. *1 For CP-WU9100W/B and CP-HD9950W/B only.



High Reliability and Stability

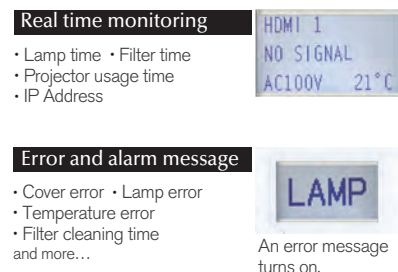
24/7 Use

Equipped with the highly reliable Dual Lamp System. If one lamp stops functioning while using in the DUAL mode, the other lamp continues to project the image with no interruption in the projection. Also, long hours of continuous operation is available with the ALTERNATIVE mode which alternates the use of the two lamps.



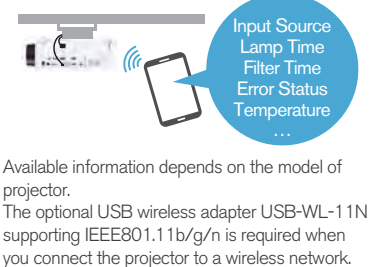
Status Monitor

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.



Monitoring Projector Status

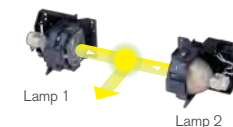
The projectors allow you to get the information displayed on the status monitor and more by your tablet or smartphone with the latest dedicated free online application when you need, even if you are not close to the projector.



* 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.

Dual Lamp

Equipped with a dual lamp system that achieves a high brightness of 10,000 lm² in a compact body weighing only approx. 16.6kg (36.6lbs.)^{*3}. The period between lamp maintenance can be doubled by using the single lamp mode.



Brightness		CP-WU9100W CP-WU9100B	CP-X9111 CP-X9110	CP-HD9950W CP-HD9950B	CP-HD9321 CP-HD9320	CP-WU9411 CP-WU9410	CP-WX9211 CP-WX9210
Dual	Normal	10,000 lm	10,000 lm	9,500 lm	8,200 lm	8,500 lm	8,500 lm
	Eco	7,600 lm	7,500 lm	7,220 lm	6,200 lm	6,400 lm	6,400 lm
Single	Normal	5,000 lm	5,000 lm	4,750 lm	4,100 lm	4,250 lm	4,250 lm
	Eco	3,800 lm	3,800 lm	3,610 lm	3,100 lm	3,200 lm	3,200 lm

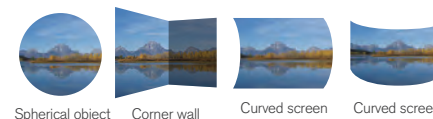
*2 For the CP-WU9100W/B, CP-X9111 and CP-X9110

*3 Not include lens. CP-WU9100W/B weighs approx. 17.0kg (37.5lbs.)

Advanced Installability and System Features for Various Uses

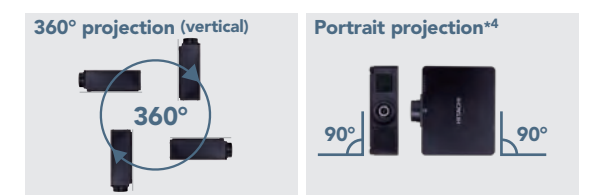
Geometry Correction

Geometry correction is possible from your computer by using the specialized application. Projection is possible on spherical surfaces and surfaces with corners, as well as conventional flat screens.



Various Installation

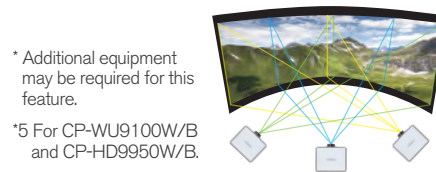
Projectors can be installed facing vertical 360 degrees directions. In addition, by rotating the installation position of the projector 90 degrees^{*4}, you can project images that are vertically long. These features make it possible to provide various displays and image representations never before possible.



*4 Limited to the position where the terminal side is on the top. Make sure to fix the projector before using. The service life of a lamp becomes shorter. For CP-WU9100W/B, CP-HD9950W/B, and CP-HD9321/9320 only.

Edge Blending

The projectors are equipped with the Edge Blending function that achieves further seamless projection of one image using multiple projectors, and allow to project on a huge curved screen by using the geometry correction simultaneously^{*5}.



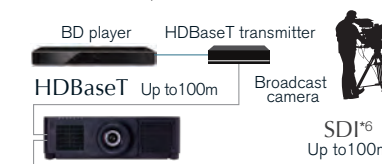
* Additional equipment may be required for this feature.

*5 For CP-WU9100W/B and CP-HD9950W/B.

5 Digital Inputs

Equipped with an SDI^{*6} input, the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable. Projectors provide 5 digital inputs : SDI, HDBaseTTM, HDMI(×2), DVI-D.

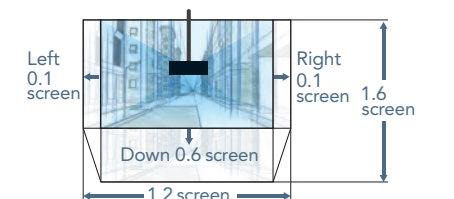
*6 SDI input terminal is supported by CP-WU9100W/B, CP-HD9950W/B, and CP-HD9321/9320.



Motorized Lens Shift

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

* The figure below shows the lens shift range for CP-WU9100B with the optional lens SD-903 at the ceiling mounting position. For the other lens and projectors, please see page 29.



* This figure is not drawn to scale.

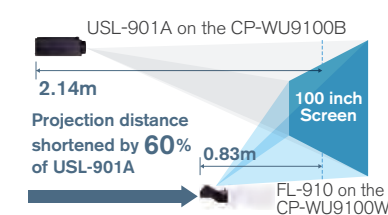
Ultra Short Throw fixed lens

All Glass lens

FL-910 uses all glass lenses that reduce the blurring that occurs under changes between high and low temperature.

Ceiling mount HAS-404U

Ceiling mount bracket with 6-axis adjustment mechanism. Adopting the Jack system, it is easy to adjust elevation.



* Secure a clearance of 50 cm or greater between the exhaust vents and a screen or walls. * This figure is not drawn to scale.

Other Features

[Network] : Projector Control, Wireless capability (option), Easy Scheduling Setting, Network presentation
[Installability] : Perfect Fit, Instant Stack, Lens center design
[Security] : PIN lock, Key lock, Lens lock
[Usability] : Multi-language user menu, Direct Power On/Off, Magnify, PbyP / PinP, DICOM[®] simulation mode, Remote ID, Wired / Wireless(IR) remote control, Low acoustic noise level
[Go green] : Eco mode, Saving standby



8000 Series - High spec models

Seamless design and High image quality

Providing advanced functions and flexible installation features



LINE UP

WH CP-WU8700W BL CP-WU8700B WUXGA 7,000 lm	WH CP-WU8600W WUXGA 6,000 lm	WH CP-WX8750W BL CP-WX8750B WXGA 7,500 lm
WH CP-WX8650W WXGA 6,500 lm	WH CP-X8800W BL CP-X8800B XGA 8,000 lm	



* The lens of the projector is sold separately. * Local availability may be limited.

Option lens

FL-710 Ultra short throw fixed lens Zoom: x1.0	FL-701 Fixed short throw lens Zoom: x1.0	SL-712 Short throw lens Zoom: x1.5	ML-713 Middle throw lens Zoom: x1.7	LL-704 Long throw lens Zoom: x1.7	UL-705 Ultra long throw lens Zoom: x1.7
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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.

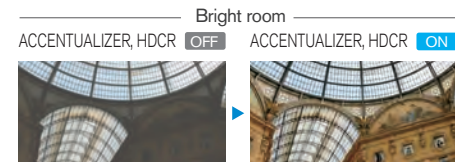
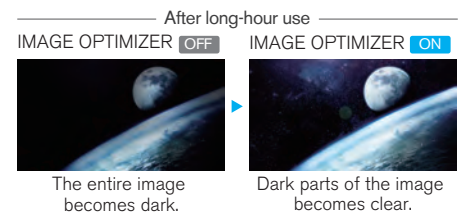


IMAGE OPTIMIZER

Equipped with IMAGE OPTIMIZER that maintains visibility of an image through automatic image correction in accordance with lamp condition.

* This function may not work properly when HDCR and/or ACCENTUALIZER is ON.
* Comparison photos are simulations.



COLOR MANAGEMENT

This feature allows you to change the HUE, SATURATION, and LUMINANCE for each of 6 colors (red, green, blue, cyan, magenta, and yellow) without influencing each other. With this technology, for example, you can change only bluish colors, such as the sky, while maintaining the other colors by adjusting the HUE of the blue.



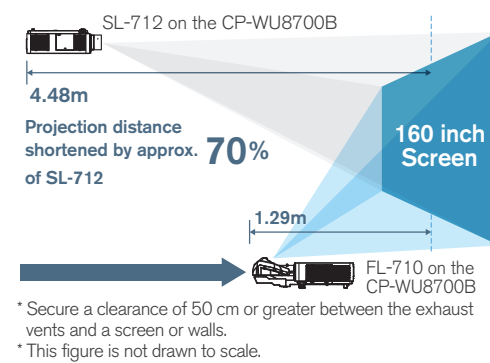
Ultra Short Throw fixed lens

All Glass lens

FL-710 uses all glass lenses that reduce the blurring that occurs under changes between high and low temperature.

Ceiling mount HAS-404U

Ceiling mount bracket with 6-axis adjustment mechanism. Adopting the Jack system, it is easy to adjust elevation.



* Secure a clearance of 50 cm or greater between the exhaust vents and a screen or walls.
* This figure is not drawn to scale.

Seamless Design

With the terminal cover, you can install the projector seamlessly.

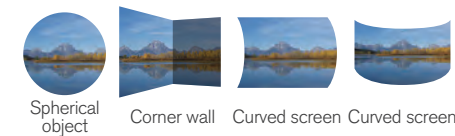
* You may not be able to attach the terminal cover when cables and devices are connected to the connectors other than the HDBaseT terminal.



Advanced Installability and System Features for Various Uses

Geometry Correction

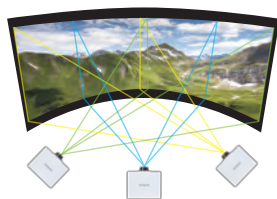
Geometry correction is possible from your computer by using the specialized application. Projection is possible on spherical surfaces and surfaces with corners, as well as conventional flat screens.



Edge Blending

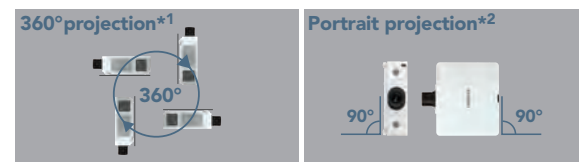
The projectors are equipped with the Edge Blending function that achieves further seamless projection of one image using multiple projectors, and allow to project on a huge curved screen by using the geometry correction simultaneously.

* Additional equipment may be required for this feature.



Various Installation

Projectors can be installed facing vertical 360 degrees directions*1. In addition, by rotating the installation position of the projector 90 degrees*2, you can project images that are vertically long. These features make it possible to provide various displays and image representations never before possible.

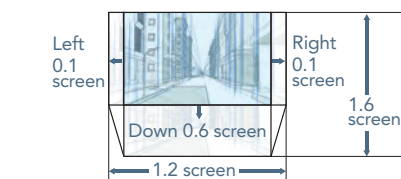


*1 When the ultra long throw lens UL-705 is attached, the projector cannot be installed facing its projection lens upward or downward.
*2 Limited to the position where the lamp door side faces upward. When the projector is used in a portrait installation, the service life of a lamp becomes shorter.

Motorized Lens Shift

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

* The figure below shows the lens shift range for CP-WU8700W / CP-WU8700B / CP-WU8600W / CP-WX8750W / CP-WX8750B / CP-WX8650W with the optional middle throw lens ML-713 at the ceiling mounting position.

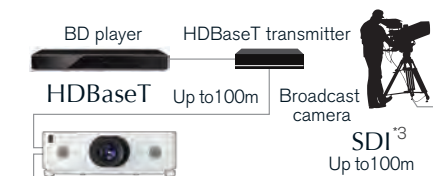


* This figure is not drawn to scale.

Digital Connectivity

Equipped with 2 HDMI input terminals for the current widely-used interface. In addition, these models have more rich digital connectivity, DisplayPort, HDBaseT™, and SDI*3 input terminals.

*3 SDI terminal is located on the CP-WU8700W/B only.

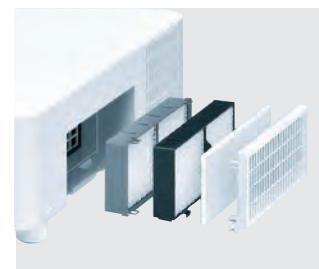


High Reliability and Stability

Hybrid Filter

The projectors use a three-layer filter with two layers of unwoven cloth and an HAF (High Air Flow) filter. The filter can last up to 20,000 hours*4 without cleaning, reducing maintenance time.

*4 Varies according to usage environment.



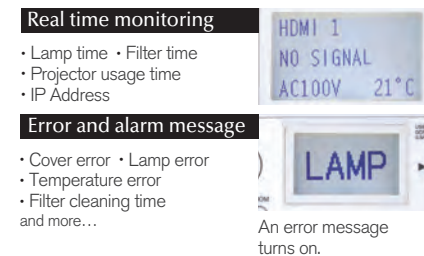
Easy Maintenance

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.



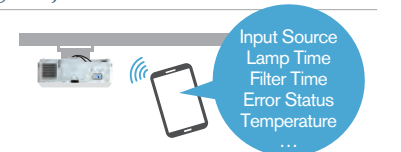
Status Monitor

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.



Monitoring Projector Status

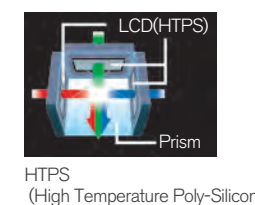
The projectors allow you to get the information displayed on the status monitor and more by your tablet or smartphone with the latest dedicated free online application when you need, even if you are not close to the projector.



* 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

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



Other Features

[Network] : Projector Control, Wireless capability (option), Easy Scheduling Setting, Network presentation **[Installability]** : Perfect Fit, Instant Stack, Lens center design **[Security]** : PIN lock, Key lock, Lens lock **[Usability]** : Multi-language user menu, Direct Power On/Off, Magnify, PbyP / PinP, DICOM® simulation mode, Remote ID, Wired/Wireless(IR) remote control **[Go green]** : Eco mode, Saving standby



Providing advanced functions and flexible installation features



Awarded models: CP-WU8461 / CP-WU8451 / CP-WX8255A / CP-X8160
The iF Design Award is a prestigious worldwide design award that began in 1953 in Germany, the origin of modern design. These 8000 series projectors were awarded the iF Gold Award.

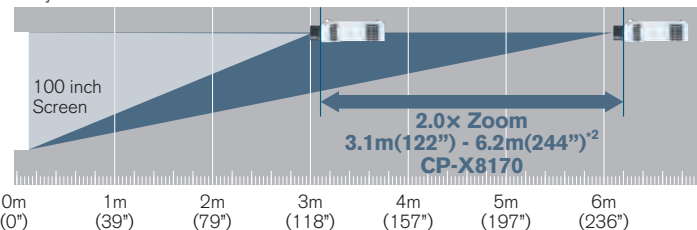
8000 Series

Advanced Installability and System Features for Various Uses

2.0x Zoom Lens

Featuring a powerful 2.0x 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 CP-X8170.
^{*} This figure is not drawn to scale.

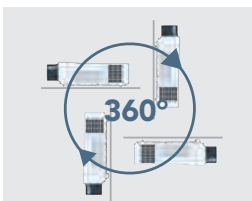
Lens Center Design

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

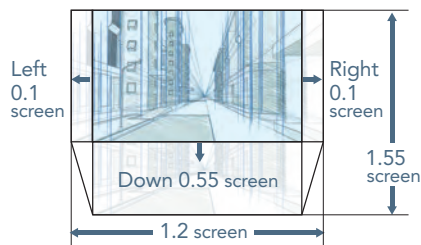
The projectors can be installed facing vertical 360 degree directions^{*3} providing many projection possibilities. For example, you can install a projector to project onto a floor or ceiling. You can utilize the projectors in many different ways.



^{*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 CP-WU8461 / CP-WU8451 with the standard lens ML-703 at the ceiling mounting position.

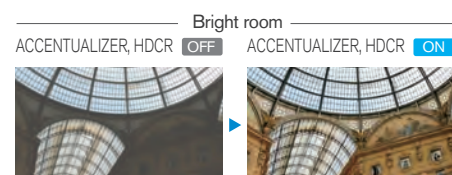
^{*} This figure is not drawn to scale.

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.

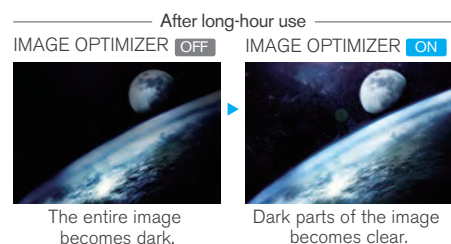


^{*} Only for the CP-WU8461 / CP-WU8451 / CP-WX8265 / CP-X8170

IMAGE OPTIMIZER

Equipped with IMAGE OPTIMIZER that maintains visibility of an image through automatic image correction in accordance with lamp condition.

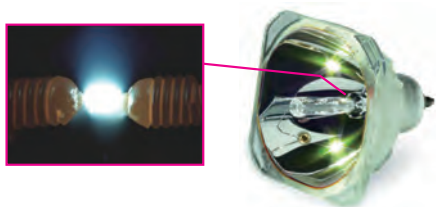
^{*} This function may not work properly when HDCR and/or ACCENTUALIZER is ON.
^{*} Comparison photos are simulations.



^{*} Only for the CP-WU8461 / CP-WU8451

High Efficiency Optical System

The projectors achieve a bright optical engine by adopting a short arc length lamp with a small F-number lens.



LINE UP



CP-WU8461
WUXGA 6,000 lm



CP-WX8265
WXGA 6,500 lm



CP-WX8255A
WXGA 5,500 lm

CP-WU8451
WUXGA 5,000 lm

CP-X8170
XGA 7,000 lm

CP-X8160
XGA 6,000 lm



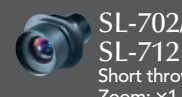
^{*} HDBase™ is supported by CP-WU8461 and CP-WU8451 only.

^{*} Local availability may be limited.

Option lens



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



SL-702/
SL-712
Short throw lens
Zoom: x1.5



ML-703*1
Middle throw lens
Zoom: x2.0



ML-713
Middle throw lens
Zoom: x1.7



LL-704
Long throw lens
Zoom: x1.7



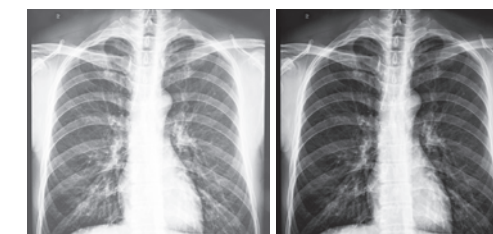
UL-705
Ultra long throw lens
Zoom: x1.7

^{*1} ML-703 comes standard on the projector models above.

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

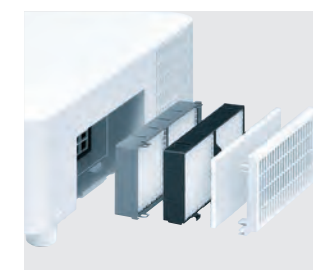
DICOM® Simulation Mode

High Reliability and Stability

Hybrid Filter

The projectors use a three-layer filter with two layers of unwoven cloth and an HAF (High Air Flow) filter. The filter can last up to 20,000 hours^{*4} without cleaning, reducing maintenance time.

^{*4} Varies according to usage 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

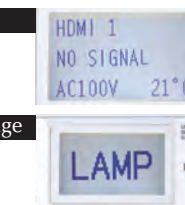
The status monitor is a sub-LCD located on the rear panel of the projector. It displays the present condition of the projector, including errors, setup information, and error history.

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

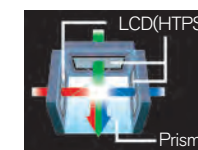
The projectors allow you to get the information displayed on the status monitor and more by your tablet or smartphone with the latest dedicated free online application when you need, even if you are not close to the projector.



^{*} 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

Hitachi 3LCD projectors incorporate three LCD panels with inorganic alignment layers that are extremely 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]** : Perfect Fit, 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 **[Go green]** : Eco mode, Saving standby

With a stable projection performance and high installability, the laser projector is suitable for various purposes.



6000 Series

LINE UP

LP-WU6600

WUXGA 6,000 lm



LP-WU6500

WUXGA 5,000 lm



* The lens of the projector is sold separately.

Option lens

SL-62
Semi short throw lens
Zoom: x1.18

SD-63
Standard lens
Zoom: x1.25

ML-64
Long throw lens
Zoom: x1.5

* Local availability may be limited.

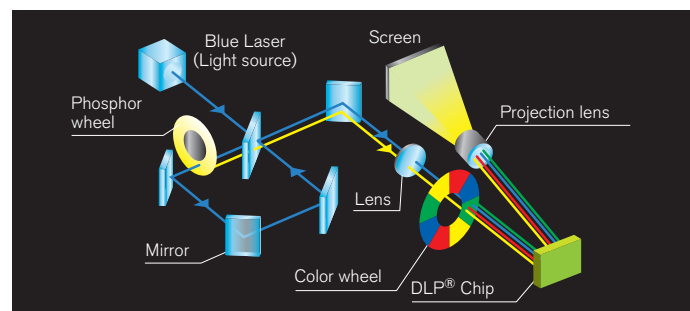
High Reliability and Stability

Long life 20,000 hours*¹ Laser light source

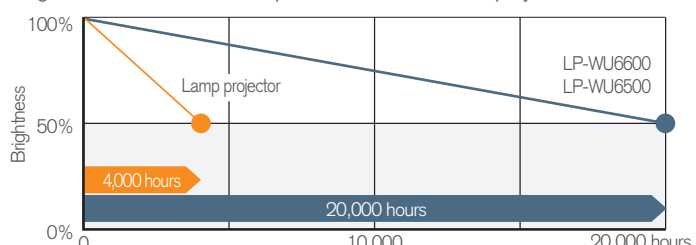
Light source combined Blue laser diodes and Phosphor can achieve 6,000 Lumens (LP-WU6600) / 5,000 Lumens (LP-WU6500). The projection image is bright, clear, and vivid in color. Since lamp exchange is unnecessary, maintenance cost is reduced. Furthermore, you do not need to worry about lamp life, and it is fit for digital signage purposes that require long hours of continuous projection. Because the product does not use mercury lamps, it is eco-friendly.

With an approximate light source life of 20,000 hours*¹, the LASER projector series is suitable for venues such as museums, restaurants and digital signage.

*¹ For laser light source. Not a guaranteed value.



Brightness Deterioration Comparison between Hitachi projectors.

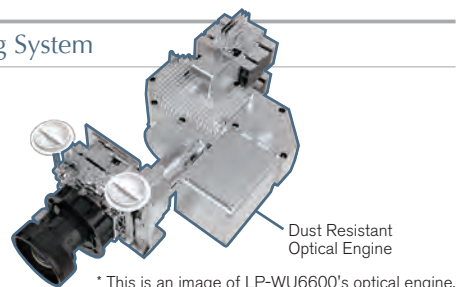


This graph is for illustrative purposes only. Compared with a 4,000-hour lamp projector.

Dust Resistant Optical Engine with Heat Pipe Cooling System

Reduces the invasion of dust and other particles in the air that decreases the brightness when they get attached to the optical parts. Reduces the decrease in brightness due to dust, resulting in a long lasting bright, clear, and vivid colored picture. Eliminates the intake filter and filter maintenance.

Achieved efficient cooling by adopting a heat pipe cooling system for the laser module. Contributes to the module's reliability due to its capabilities in reducing thermal stress.



* This is an image of LP-WU6600's optical engine.

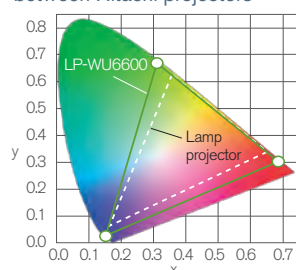
High Image Quality

Wide range of Color Reproduction

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



Color Space Comparison between Hitachi projectors



* This chart shows LP-WU6600 characteristics.

DICOM[®] Simulation Mode

This mode is suitable for viewing grayscale medical images, such as X-rays, for training and educational purposes.



Normal Mode DICOM[®] Simulation Mode

This projector is not a medical device and is not compliant with the DICOM[®] standard, and neither the projector nor the DICOM[®] Simulation Mode should be used for medical diagnosis.

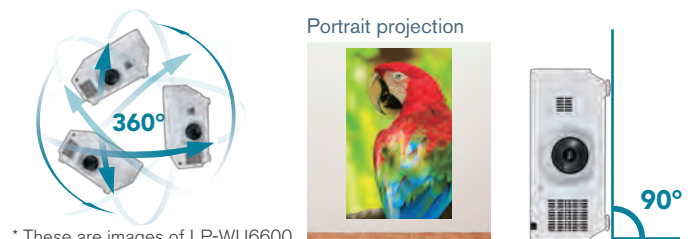
* Comparison photos are simulations.

Advanced Installability

360° Projection

The projectors provide great installation flexibility as they can be installed at various angles. By rotating the projector 90 degrees, you can project vertically long images (Portrait projection)*²

*² The life of optical parts may shorten if LP-WU6600 is installed with the lens facing downward or the IO connector side upward, and if LP-WU6500 is installed at the PORTRAIT projection situation.



* These are images of LP-WU6600.

Laser Power Level Control

Power of laser light source is controllable by every 1% step*³. It allows the brightness of the projection image to fit in the luminance environment and can save the power consumption. This feature helps you to adjust the similar brightness of projectors, for example, the side-by-side projection.

*³ The adjustment range is 25~100% at Custom Light mode.



Tunes brightness of image according to surrounding environment

Matches brightness of images projected side by side

Digital Connectivity

Equipped with HDBaseT™ input, capable of transmitting signals with no image degradation using a standard LAN cable (Cat5e or higher, shielded type) of up to approx.100 m. Also, LP-WU6600 provides HDMI1/2 and DVI-D, and LP-WU6500 provides HDMI1/2/3 other than HDBaseT.

* This is an image of LP-WU6600.



MHL[®] connectivity

One of the HDMI input terminals of the projectors supports the MHL (Mobile High-Definition Link). This feature allows you to mirror the screen of your MHL-enabled smartphone or tablet on a projected screen.



* This is an image of LP-WU6600.



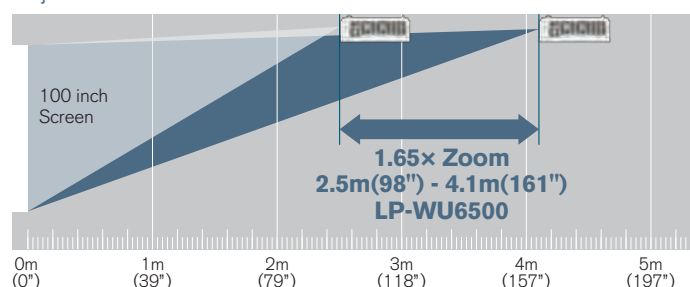
MHL Cable

Powerful Zoom Lens

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

* This figure shows the zoom range for LP-WU6500 at the ceiling mounting position. LP-WU6600 supports three kinds of optional zoom lenses.

Projection distance for 100 inch screen

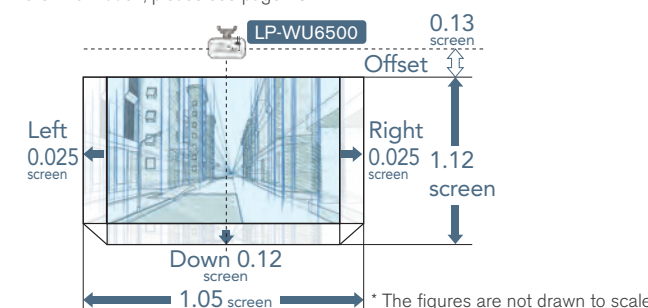


* This figure is not drawn to scale.

Lens Shift

Manually shift the lens horizontally and vertically to position the image on the screen without causing keystone distortion.

* This figure shows the lens shift range for LP-WU6500 at the ceiling mounting position. The lens shift range of LP-WU6600 is -15 to 55%(vertical) and +/-5%(horizontal). For more information, please see page 29.



* The figures are not drawn to scale.



Providing advanced functions and flexible installation features. Projectors suitable for large meeting rooms or classrooms.

5000 Series

Mounting accessories are not included in the box.

LINE UP

		* Local availability may be limited.	
CP-WU5506M WUXGA 5,200 lm	CP-WX5506M WXGA 5,400 lm		
CP-WU5505 WUXGA 5,200 lm	CP-WX5505 WXGA 5,200 lm	CP-X5555 XGA 5,800 lm	
CP-WU5500 WUXGA 5,200 lm	CP-WX5500 WXGA 5,200 lm	CP-X5550 XGA 5,800 lm	



* CP-WU5500, CP-WX5500, and CP-X5550 do not support HDBaseT™.

High Image Quality and Visibility

HDCR (High Dynamic Contrast Range)

When average projectors are used in bright rooms, the darker colors of an image deteriorate and images become unclear. Using this function, blurred images caused by room lighting or outside light sources are corrected, and an effect similar to increasing contrast occurs. This results in clear images even in bright rooms.

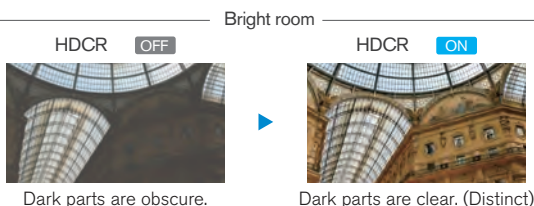
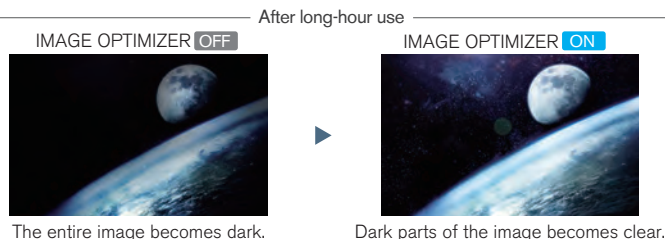


IMAGE OPTIMIZER

Equipped with IMAGE OPTIMIZER that maintains visibility of an image through automatic image correction in accordance with lamp condition.

* This function may not work properly when HDCR and/or ACCENTUALIZER is ON.
* Comparison photos are simulations.



Installability and System Features

Instant Stack

Instant Stack lets you place one projector on top of another to project the same image from both onto a screen for added brightness. Overlaying the image is made easier with built-in tools including RS-232C control, Perfect Fit, Lens Shift, test pattern, and stacking alignment peg holes.



* When stacking projectors, there are various precautions and function limitations you should be aware of. Please ask your dealer for details.

Dual mode

Turns on the projectors at the same time.

Alternate mode

Turns on the projectors alternately.



Backup function



When ALTERNATE is selected and an error occurs on one projector in operation, causing the lamp to turn off, the other projector in standby will automatically start to operate.

Edge Blending & Warping

The multiple projectors allow to project one image on a huge curved screen by using the geometry correction and the edge blending functions simultaneously.



Digital Connectivity

HDBaseT™ input*1

Equipped with HDBaseT™ input, capable of transmitting signals with no image degradation using a standard LAN cable (Cat5e or higher) of up to approx. 100m.

*1 For CP-WU5506M / CP-WX5506M / CP-WU5505 / CP-WX5505 / CP-X5555 only.



With the terminal cover, you can install the projector seamlessly.



* You may not be able to attach the terminal cover when cables and devices are connected to the connectors other than the HDBaseT terminal.

HDMI IN / OUT

Equipped with two HDMI IN and one HDMI OUT terminals. The HDMI OUT outputs the signal from HDMI1 or HDBaseT input terminal, and allows to connect the projectors*2 in series in order to project the same images simultaneously.



*2 Up to 7 projectors can be connected in series for the HDMI OUT terminal of this projector. The number of projectors that can be connected varies depending on the source device, cables, etc.

MHL® connectivity

The projectors' HDMI1 input terminal supports the MHL (Mobile High-Definition Link). This feature allows you to mirror the screen of your MHL-enabled smartphone or tablet on a projected screen.

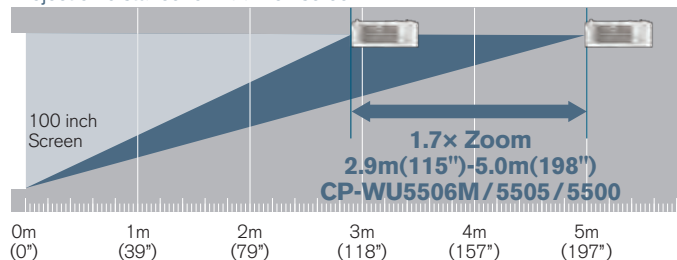


1.7x Zoom*3 lens, Lens shift

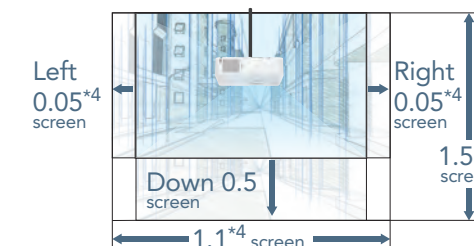
Featuring a powerful manual zoom lens, the projectors allow for a greater range of installation possibilities. Manually shift the lens horizontally and vertically, to position the image on the screen without causing keystone distortion.

*3 CP-X5555 / CP-X5550 / CP-WX5506M / CP-WX5505 / CP-WX5500 : 1.6x zoom

Projection distance for 100 inch screen



* This figure is not drawn to scale.



*4 0.044 screen to left or right (Total 1.088 screen) for CP-WU5506M / CP-WU5505 / CP-WU5500. 0.046 screen to left or right (Total 1.092 screen) for CP-WX5506M.

* This figure is not drawn to scale.

Network

Monitoring Projector Status

The projectors allow you to get the information on the projector's status 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. CP-WU5505 / CP-WX5505 / CP-X5555 / CP-WU5500 / CP-WX5500 / CP-X5550 require the optional USB wireless adapter USB-WL-11N supporting IEEE801.11b/g/n when you connect the projector via a wireless network.

Wireless Dual Band Support

CP-WU5506M / CP-WX5506M provide a stable wireless network environment by supporting wireless dual band (2.4GHz/5GHz).

* The use of projector's wireless function might be limited depending on the country and region.



Hybrid Filter

The projectors use a two-layer filter with an unwoven cloth and an HAF (High Air Flow) filter. The filter can last up to 10,000 hours*5 without cleaning, reducing maintenance time.

*5 Varies according to usage environment.



Other Features

[Network] : Projector Control, Wireless capability (option), Easy Scheduling Setting, Network presentation, Smart device control **[Installability]** : Perfect Fit **[Security]** : PIN lock, Key lock **[Usability]** : Multi-language user menu, Direct Power On/Off, Magnify, PbyP / PinP, DICOM® simulation mode, Remote ID (option), Wired/Wireless(IR) remote control (option) **[Go green]** : Eco mode, Saving standby

Features

Features			3-Chip DLP®	1-Chip DLP®										3 LCD																								
			K Series	9000 Series					8000 Series					6000 Series		5000 Series																						
			CP-WU13K	LP-WU9100B	LP-WU9750B	CP-WU9100W	CP-WU9411	CP-HD9950W	CP-HD9321	CP-WX9210	CP-X9111	CP-WU8700W	CP-WU8700B	CP-WU8600W	CP-WX8750W	CP-WX8750B	CP-WX8650W	CP-X8800W	CP-X8800B	CP-WU8461	CP-WU8451	CP-WX8265	CP-WX8255A	CP-X8170	CP-X8160	LP-WU6600	LP-WU6500	CP-WU5506M	CP-WU5505	CP-WU5500	CP-WX5506M	CP-WX5505	CP-WX5500	CP-X5555	CP-X5550			
Installability and System Features	Picture in Picture	Display an image from a different source in the sub area. *1 It enables display of images from 2 different digital inputs (HDMI2 and another) simultaneously.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	360 Degree Projection	The projectors can be installed facing upwards, downwards, or other wide degree of vertical orientations.		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	Portrait Projection	You can project images that are vertically long by rotating the installation position of the projector 90 degrees. This feature makes it possible to provide various displays and image representations.		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Mechanical Shutter	The shutter blocks the projector light, letting you quickly display and hide images while the projector is on.	●			●	●	●	●	●	●																											
	Instant Stack	Use 2 projectors by superimposing their images.				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Network	Easy Schedule Setting	Set schedules for projectors to turn them ON or OFF at a set time, or activate other functions. * Available from the OSD menu on 9000 series models only. Set from a computer via a LAN connection.				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Projector Control	Control and manage projectors using a network.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Network Presentation	Connect the projectors to a network with a LAN cable and project images from a PC or Mac computer via the network.				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Wireless Capability (Option)	Projectors and computers can be connected via Wi-Fi. Wirelessly project images, and manage and control projectors.				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Smart Device Control	Download and install the dedicated free online application Projector Quick Connection or LiveViewer Pro*2, and wirelessly control the projector from devices running iOS or Android™ like a remote control. The application also allow to get the information on the projector's status and to project pictures, documents, etc. from the devices. *2 LiveViewer Pro is the application for CP-WU5506M/CP-WX5506M.				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
High Reliability and Stability	Industry Standard Compatibility	AMX Device Discovery, Creston Roomview, and Extron XTP are embedded to projectors, providing out of the box compatible industry standard solutions. *3 Extron XTP is not supported.		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Hybrid Filter	Multi-layer filters reduce the burden of maintenance by extending the period between filter cleaning.	●	Filter-less	Filter-less	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Filter-less	Filter-less	●	●	●	●	●	●	●	●	●	
	Inorganic LCD	Hitachi 3LCD projectors incorporate three LCD panels with inorganic alignment layers that are extremely light resistant, increasing brightness and contrast ratio. They provide smooth images and high reliability.										●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Status Monitor	A sub-LCD located on the rear panel. It displays the present condition of the projector, including errors, setup information, and error history.				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Dual Lamp System	By alternating the use of each lamp, the replacement period can be extended twofold. A backup mode is also available, making recovery from a failed lamp fast. This mode immediately switches to the second lamp if the first stops functioning.	●			●	●	●	●	●	●																											
Laser Light Source	Long life 20,000 hours*4 Laser light source combined Blue laser diodes and Phosphor can achieve high brightness.			●	●																					●	●											
	*4 For laser light source. Not a guaranteed value.			●	●																					●	●											

Specifications

	K Series		9000 Series							8000 Series							
Model name	CP-WU13K	LP-WU9100B	LP-WU9750B	CP-WU9100W CP-WU9100B	CP-WU9411 CP-WU9410	CP-HD9950W CP-HD9950B	CP-HD9321 CP-HD9320	CP-WX9211 CP-WX9210	CP-X9111 CP-X9110	CP-WU8700W CP-WU8700B	CP-WU8600W	CP-WX8750W CP-WX8750B	CP-WX8650W	CP-X8800W CP-X8800B			
Display system	3-Chip DLP®		1-Chip DLP®							3LCD							
Display device	Size of effective display area 0.96" × 3, aspect ratio 16:10 Number of pixels 2,304,000 pixels (1,920 × 1,200)		0.67" × 1, aspect ratio 16 : 10 2,304,000 pixels (1,920 × 1,200)				0.65" × 1, aspect ratio 16 : 9 2,073,600 pixels (1,920 × 1,080)		0.65" × 1, aspect ratio 16:10 1,024,000 pixels (1,280 × 800)	0.7" × 1, aspect ratio 4 : 3 786,432 pixels (1,024 × 768)	0.76" × 3, aspect ratio 16 : 10 2,304,000 pixels (1,920 × 1,200)			1,024,000 pixels (1,280 × 800)	0.79" × 3, aspect ratio 4 : 3 786,432 pixels (1,024 × 768)		
Projection lens	Optional (No lens included in the projector)		Optional (No lens included in the projector)							Optional (No lens included in the projector)							
Zoom	Motorized		Motorized (except for the option lens FL-920)				Motorized (except for the option lens FL-910)				Motorized (except for the option lens FL-710 / FL-701)						
Focus	Motorized		Motorized							Motorized							
Lens shift	Motorized (V, H)		Motorized (except for the option lens FL-920)				Motorized (V, H) (except for the option lens FL-910)				Motorized (V, H) (except for the option lens FL-710)						
Light source	465W × 2 lamp		Laser diode		430W × 2 lamp	370W × 2 lamp	430W × 2 lamp	365W × 2 lamp	370W × 2 lamp	370W × 2 lamp	430W lamp	370W lamp	430W lamp	370W lamp	430W lamp		
Screen size	80 ~ 600 inch		50 ~ 600 inch (100 ~ 350 inch for the option lens FL-920)				50 ~ 600 inch (100 ~ 350 inch for the ultra short throw fixed lens FL-910)				30 ~ 600 inch (100 ~ 350 inch for the ultra short throw fixed lens FL-710)						
Light output (Brightness)	13,000 lm		10,000 lm	8,000 lm	10,000 lm	8,500 lm	9,500 lm	8,200 lm	8,500 lm	10,000 lm	7,000 lm	6,000 lm	7,500 lm	6,500 lm	8,000 lm		
Contrast ratio (full white / full black)	2,000 : 1 (Dynamic Contrast)		30,000:1 (Dynamic Black setting is On)	20,000:1 (Dynamic Black setting is On)	2,500 : 1 (Picture mode: DYNAMIC, Active iris: THEATER)							10,000 : 1 (Presentation mode)					
Displayable scanning frequency	Horizontal 15 ~ 91 kHz Vertical 48 ~ 85 Hz		15 ~ 91 kHz 24 ~ 85 Hz	15 ~ 91 kHz 48 ~ 85 Hz	15 ~ 106 kHz 50 ~ 120 Hz				15 ~ 106 kHz	56 ~ 120 Hz	31.5 ~ 106 kHz						
Display resolution	Computer WUXGA (max.) * Native resolution is WUXGA Video 1080P (max.) * Native resolution is WUXGA		WUXGA*1 (max.) * Native resolution is WUXGA 1080P (max.) * Native resolution is WUXGA		WUXGA*1 (max.) * Native resolution is WUXGA 1080P (max.) * Native resolution is WUXGA		Full HD (max.) * Native resolution is Full HD. 1080P (max.) * Native resolution is Full HD.	Full HD (max.) * Native resolution is WXGA 1080P (max.) * Native resolution is WXGA	Full HD (max.) * Native resolution is XGA 1080P (max.) * Native resolution is XGA	WUXGA*1 (max.) * Native resolution is WUXGA 1080P (max.) * Native resolution is WUXGA	Full HD (max.) * Native resolution is WXGA 1080P (max.) * Native resolution is WXGA	Full HD (max.) * Native resolution is XGA 1080P (max.) * Native resolution is XGA	WUXGA*1 (max.) * Native resolution is WUXGA 1080P (max.) * Native resolution is WUXGA	Full HD (max.) * Native resolution is WXGA 1080P (max.) * Native resolution is WXGA	Full HD (max.) * Native resolution is XGA 1080P (max.) * Native resolution is XGA		
Speaker										8W × 2 (mono)							
Terminals	COMPUTER IN	Mini D-sub 15-pin connector × 1 / 5BNC connector × 1	Mini D-sub 15-pin connector × 1 / 5BNC connector × 1		Mini D-sub 15-pin connector × 1	Mini D-sub 15-pin connector × 1 / 5BNC connector × 1	Mini D-sub 15-pin connector × 1		Mini D-sub 15-pin connector × 1 / 5BNC connector × 1	Mini D-sub 15-pin connector × 1							
	MONITOR OUT	-	-		-	-	Mini D-sub 15-pin connector × 1		-	Mini D-sub 15-pin connector × 1							
	VIDEO	-	-		-	-	BNC connector × 1		-	RCA connector × 1							
	S-VIDEO	-	-		-	-	-		-	-							
	COMPONENT VIDEO (Y, Cb/Pb, Cr/Pr)	3BNC × 1 / 3RCA × 1	-		-	-	-		-	-							
	HDMI IN	HDMI connector × 2	HDMI connector × 2 (HDCP compliant)		-	-	HDMI connector × 2		-	HDMI connector × 2							
	HDMI OUT	-	-		-	-	-		-	-							
	DVI-D IN	DVI-D connector × 1	DVI-D connector × 1		-	-	DVI-D connector × 1		-	-							
	SDI IN / OUT	BNC connector × 1 / BNC connector × 1	BNC connector × 1 / BNC connector × 1		BNC connector × 1 / -	- / -	BNC connector × 1 / -		- / -	BNC connector × 1 / -	- / -						
	HDBaseT	-	RJ-45 jack × 1		-	-	RJ-45 connector × 1		-	RJ-45 connector × 1							
	DisplayPort	-	-		-	-	-		-	DisplayPort × 1							
	AUDIO IN	-	-		-	-	-		-	3.5mm (stereo) mini connector × 1 / 2 RCA connector (L, R) × 1							
	AUDIO OUT	-	-		-	-	-		-	3.5mm (stereo) mini connector × 1							
	MIC IN	-	-		-	-	-		-	-							
	CONTROL IN (RS-232C)	D-sub 9-pin connector × 1	D-sub 9-pin connector × 1		-	-	D-sub 9-pin connector × 1		-	D-sub 9-pin connector × 1							
	CONTROL OUT (RS-232C)	-	-		-	-	-		-	-							
	LAN	RJ-45 connector × 1	-		-	-	RJ-45 connector × 1		-	RJ-45 connector × 1							
	USB-A	-	-		-	-	USB type A × 1 (Used for wireless network)		-	USB type A × 1 (Used for wireless network)							
	USB-B	-	-		-	-	-		-	-							
	REMOTE CONTROL IN	-	3.5mm (stereo) mini connector × 1		-	-	3.5mm (stereo) mini connector × 1		-	3.5mm (stereo) mini connector × 1							
	REMOTE CONTROL OUT	-	-		-	-	3.5mm (stereo) mini connector × 1		-	3.5mm (stereo) mini connector × 1							
	TRIGGER	-	-		-	-	-		-	-							
	3D SYNC IN	-	-		-	-	-		-	-							
	3D SYNC OUT	-	-		-	-	-		-	-							
Operating temperature	0 ~ 40°C (32 ~ 104°F) at altitudes from 0 ~ 2,590 m (0 - 8,500 ft) *2		0 ~ 45°C (32 ~ 113°F) *3	0 ~ 40°C (32 ~ 140°F) *4	0 ~ 50°C (32 ~ 122°F) (ECO), 0 ~ 45°C (32 ~ 113°F) (NORMAL) at altitudes from 0 ~ 1,600 m (0 ~ 5,250 ft) / 0 ~ 40°C (32 ~ 104°F) at altitudes from 1,600 ~ 3,048 m (5,250 ~ 10,000 ft)							0 ~ 45°C (32 ~ 113°F) *5 at altitudes from 0 ~ 10,000 ft					
Power requirements	AC100 - 130V / AC200 - 240V (50Hz / 60Hz)		AC100 - 130V / AC200 - 240V (50Hz / 60Hz)		AC110 - 120V / AC220 - 240V (50Hz / 60Hz)		AC110 - 120V / AC220 - 240V (50Hz / 60Hz)	AC110 - 120V / AC220 - 240V (50Hz / 60Hz)		AC100 - 120V / AC220 - 240V (50Hz / 60Hz)							
Power consumption	AC100 - 130V : 1,230W AC200 - 240V : 1,250W		AC100 - 130V : 1,340W AC200 - 240V : 1,240W	AC100 - 130V : 950W AC200 - 240V : 900W	AC110 - 120V : 1,090W AC220 - 240V : 1,070W	AC110 - 120V : 1,060W AC220 - 240V : 990W	AC110 - 120V : 1,090W AC220 - 240V : 1,070W	AC110 - 120V : 1,060W AC220 - 240V : 990W		AC100 - 120V : 580W AC220 - 240V : 560W	AC100 - 120V : 510W AC220 - 240V : 500W	AC100 - 120V : 580W AC220 - 240V : 560W	AC100 - 120V : 510W AC220 - 240V : 500W	AC100 - 120V : 580W AC220 - 240V : 560W			
Standby mode power consumption	< 3W		< 0.5W at saving mode *6	< 0.5W at Standby Power Off *6	< 0.45W at saving mode *6	< 0.5W at saving mode *6	< 0.45W at saving mode *6	< 0.5W at saving mode *6		< 0.35W at saving mode							
Standard outside dimensions (W × H × D)	500mm × 270mm × 633mm (19.7" × 10.6" × 24.9") (Excluding lens and protruding parts)		500mm × 216mm × 576mm (19.7" × 8.5" × 22.7") (Excluding lens)		537mm × 170mm × 438mm			(21.1" × 6.7" × 17.2") (Excluding lens and protruding parts)		501mm × 167mm × 437mm (19.7" × 6.6" × 17.2") (Excluding lens)							
Weight	Approx. 34.0 kg (74.9 lbs.) (Excluding lens)		Approx. 28 kg (61.7 lbs.) (Excluding lens)		Approx. 17.0kg (37.5lbs.) (Excluding lens)	Approx. 16.6kg (36.6lbs.) (Excluding lens)	Approx. 17.0kg (37.5lbs.) (Excluding lens)	Approx. 16.6kg (36.6lbs.) (Excluding lens)		Approx. 11.1kg (24.5lbs.) (Excluding lens)							
Accessories	Remote control with batteries, Power cord, RS-232C cable (cross), User's Manual		Remote control with batteries, Power cord, Computer cable, RS-232C adapter cable (cross), Wired remote cable, User's Manual (Book, CD)		Remote control with batteries, Power cord, Computer cable, Adapter Cover, Application CD, User's Manual (Book, CD)							Remote control with batteries, Power cord, Computer cable, Adapter cover, Terminal cover, Application CD, User's Manual (Book, CD)					
Features	Filter cleaning interval *7	1,000 hrs		Filter free		15,000 hrs							20,000 hrs				

*1 WUXGA (60Hz) Reduced Blanking only.

*2 0 ~ 20°C (32 ~ 68°F) at altitudes from 2,590 to 3,048 m (8,500 - 10,000 ft)

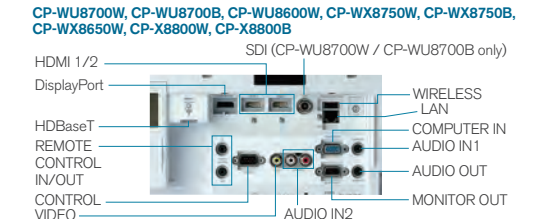
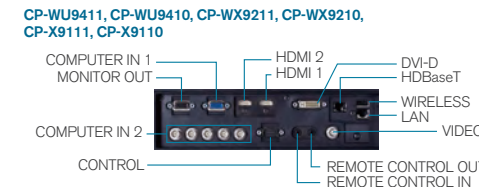
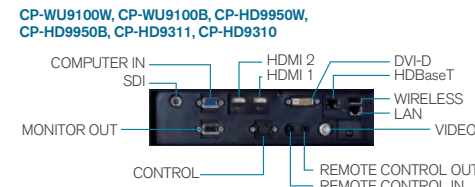
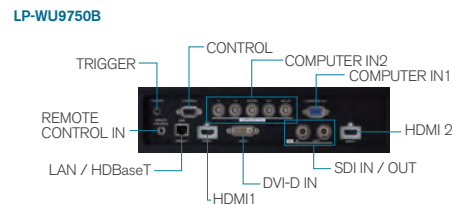
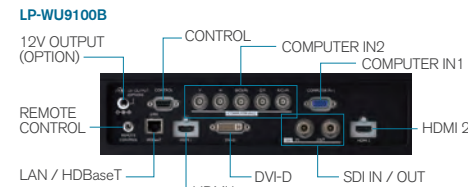
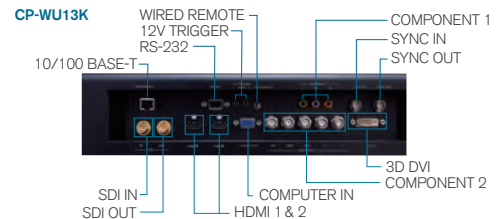
*3 The brightness of light source may be reduced automatically over 36°C (96.8°F) at altitudes from 0 to 1,219 m (0 - 4,000 ft), over 30°C (86°F) at altitudes from 1,219 to 1,676 m (4,000 - 5,500 ft), over 25°C (77°F) at altitudes from 1,676 to 4,200 m (5,500 - 13,780 ft).

*4 The brightness of light source may be reduced automatically over 35°C (95°F) at altitudes from 0 to 1,219 m (0 - 4,000 ft), over 30°C (86°F) at altitudes from 1,219 to 1,676 m (4,000 - 5,500 ft), over 25°C (77°F) at altitudes from 1,676 to 3,048 m (5,500 - 13,780 ft).

*5 When the ambient temperature exceeds 40°C (104°F), the brightness of the lamp is reduced automatically.

*6 Can't operate the projector via the LAN and the RS-232C when the projector is in standby mode.

*7 This interval depends on the environment.



Specifications

Model name	8000 Series						6000 Series		5000 Series							
	CP-WU8461	CP-WU8451	CP-WX8265	CP-WX8255A	CP-X8170	CP-X8160	LP-WU6600	LP-WU6500	CP-WU5506M	CP-WU5505	CP-WU5500	CP-WX5506M	CP-WX5505	CP-WX5500	CP-X5555	CP-X5550
Display system	3LCD						1-Chip DLP®		3LCD							
Display device	0.76" × 3, aspect ratio 16 : 10		0.75" × 3, aspect ratio 16 : 10		0.79" × 3, aspect ratio 4 : 3		0.67" × 1, aspect ratio 16 : 10		0.67" × 3, aspect ratio 16 : 10		0.64" × 3, aspect ratio 16 : 10		0.59" × 3, aspect ratio 16 : 10		0.63" × 3, aspect ratio 4 : 3	
Number of pixels	2,304,000 pixels (1,920 × 1,200)		1,024,000 pixels (1,280 × 800)		786,432 pixels (1,024 × 768)		2,304,000 pixels (1,920 × 1,200)		2,304,000 pixels (1,920 × 1,200)		1,024,000 pixels (1,280 × 800)		786,432 pixels (1,024 × 768)			
Projection lens	Optional (Middle throw lens ML-703 equipped as standard)						Optional (No lens included in the projector)		Unchangeable lens		Unchangeable lens					
Zoom	Motorized (except for the option lens FL-701)						Manual		Manual (1.65×)		Manual (1.7×)		Manual (1.6×)			
Focus	Motorized						Manual		Manual (1.65×)		Manual (1.7×)		Manual (1.6×)			
Lens shift	Motorized (V, H)						Manual (V, H)		Manual (V, H)		Manual (V, H)		Manual (V, H)			
Light source	365W lamp	330W lamp	365W lamp	330W lamp	365W lamp	365W lamp	Laser diode		Laser diode		Laser diode		Laser diode		300W lamp	
Screen size	30 ~ 600 inch						35.8 ~ 379.8 inch (SL-62), 36.1 ~ 211 inch (SD-63), 32.1 ~ 481.1 inch (ML-64)		36.7 ~ 201.9 inch		30 ~ 300 inch					
Light output (Brightness)	6,000 lm	5,000 lm	6,500 lm	5,500 lm	7,000 lm	6,000 lm	6,000 lm * Laser Mode setting is Normal		5,000 lm * Laser Mode setting is Normal		5,200 lm		5,400 lm		5,800 lm	
Contrast ratio (full white / full black)	5,000 : 1 (Presentation mode)		3,000 : 1 (Presentation mode)				20,000 : 1 * Laser Mode setting is Normal		30,000 : 1 * Laser Mode setting is Normal		10,000 : 1 (Picture mode: DYNAMIC, Active iris: PRESENTATION)					
Displayable scanning frequency	Horizontal		31.5 ~ 106 kHz				15 ~ 91 kHz		31.5 ~ 106 kHz		31.5 ~ 106 kHz					
Vertical			56 ~ 120 Hz				24 ~ 85 Hz		56 ~ 120 Hz		56 ~ 120 Hz					
Display resolution	Computer		Full HD (max) * Native resolution is WUXGA		Full HD (max) * Native resolution is WXGA		Full HD (max) * Native resolution is XGA		WUXGA*1 (max) * Native resolution is WUXGA		WUXGA*1 (max) * Native resolution is WUXGA		Full HD (max) * Native resolution is WXGA		Full HD (max) * Native resolution is XGA	
Video	1080P (max) * Native resolution is WUXGA		1080P (max) * Native resolution is WUXGA		1080P (max) * Native resolution is WXGA		1080P (max) * Native resolution is XGA		1080P (max) * Native resolution is WUXGA		1080P (max) * Native resolution is WUXGA		1080P (max) * Native resolution is WXGA		1080P (max) * Native resolution is XGA	
Speaker	8W × 2 (stereo)		-		8W × 2 (stereo)		-		8W × 2 (stereo)		6W × 2 (mono)		5W × 2 (stereo)		16W × 1 (mono)	
Terminals	COMPUTER IN	Mini D-sub 15-pin connector × 1	Mini D-sub 15-pin connector × 1 / 5BNC connector × 1		Mini D-sub 15-pin connector × 1 / 5BNC connector × 1		Mini D-sub 15-pin connector × 1, 5BNC connector × 1		Mini D-sub 15-pin connector × 1		Mini D-sub 15-pin connector × 1		Mini D-sub 15-pin connector × 1		Mini D-sub 15-pin connector × 1	
MONITOR OUT			Mini D-sub 15-pin connector × 1				Mini D-sub 15-pin connector × 1		Mini D-sub 15-pin connector × 1		Mini D-sub 15-pin connector × 1		Mini D-sub 15-pin connector × 1		Mini D-sub 15-pin connector × 1	
VIDEO			RCA connector × 1				RCA connector × 1		RCA connector × 1		RCA connector × 1		RCA connector × 1		RCA connector × 1	
S-VIDEO			MINI DIN 4-pin connector × 1				-		-		-		-		-	
COMPONENT VIDEO (Y, Cb/Pb, Cr/Pr)			3 RCA connector × 1				Mini D-sub 15-pin connector × 1, 3BNC × 1 (shared with COMPUTER IN terminals)		-		-		-		-	
HDMI IN			HDMI connector × 2 (HDCP compliant)				HDMI connector × 2 (HDCP compliant) *HDMI 2 supports MHL input		HDMI connector × 3 (HDCP compliant) *HDMI 3 supports MHL input		HDMI connector × 2 (HDCP compliant)		HDMI connector × 2 (HDCP compliant) *HDMI IN1 supports MHL input		HDMI connector × 1 (HDCP compliant)	
HDMI OUT			-				-		-		-		-		-	
DVI-D IN			-				DVI-D connector × 1		-		-		-		-	
SDI IN / OUT			- / -				-		-		-		-		-	
HDBaseT	RJ-45 connector × 1		-		-		RJ-45 jack × 1		RJ-45 jack × 1		RJ-45 connector × 1		-		RJ-45 connector × 1	
DisplayPort			-				-		-		-		-		-	
AUDIO IN			2 RCA connector × 1 / 3.5mm (stereo) mini connector × 2				3.5mm (stereo) mini connector × 1, RCA connector (L, R) × 1		3.5mm mini connector × 1, RCA connector (L, R) × 1		3.5mm (stereo) mini connector × 1 / 2 RCA connector (L, R) × 1		3.5mm (stereo) mini connector × 1		3.5mm (stereo) mini connector × 1	
AUDIO OUT			2 RCA connector × 1				RCA connector (L, R) × 1		RCA connector (L, R) × 1		3.5mm (stereo) mini connector × 1		3.5mm (stereo) mini connector × 1		3.5mm (stereo) mini connector × 1	
MIC IN			-				-		-		-		-		-	
CONTROL IN (RS-232C)			D-sub 9-pin connector × 1				D-sub 9-pin connector × 1		D-sub 9-pin connector × 1		D-sub 9-pin connector × 1		D-sub 9-pin connector × 1		D-sub 9-pin connector × 1	
CONTROL OUT (RS-232C)			-				-		-		-		-		-	
LAN			RJ-45 connector × 1				RJ-45 jack × 1		RJ-45 connector × 1		RJ-45 connector × 1		RJ-45 connector × 1		RJ-45 connector × 1	
USB-A			USB type A connector × 2				USB type A × 1 (5V / 1.5A output)		USB type A × 1 (5V / 1.5A output)		USB type A × 1 (Used for optional wireless network)		USB type A × 1 (Used for optional wireless network)		USB type A × 1 (Used for optional wireless network)	
USB-B			USB type B connector × 1				USB type B × 1 (For service)		USB type B × 1 (For service)		USB mini type B × 1 (For service)		-		-	
REMOTE CONTROL IN			3.5mm (stereo) mini connector × 1				3.5mm (stereo) mini connector × 1		3.5mm (stereo) mini connector × 1		3.5mm (stereo) mini connector × 1		3.5mm (stereo) mini connector × 1		3.5mm (stereo) mini connector × 1	
REMOTE CONTROL OUT			3.5mm (stereo) mini connector × 1				3.5mm (stereo) mini connector × 1		3.5mm (stereo) mini connector × 1		3.5mm (stereo) mini connector × 1		3.5mm (stereo) mini connector × 1		3.5mm (stereo) mini connector × 1	
TRIGGER			-				-		-		-		-		-	
3D SYNC IN			-				VESA 3-pin connector × 1		-		-		-		-	
3D SYNC OUT			-				VESA 3-pin connector × 1		VESA 3-pin connector × 1		-		-		-	
Operating temperature	0 ~ 45°C (32 ~ 113°F) at altitudes from 0 to 3,048 m (0 - 10,000 ft)						0 - 40°C (32 - 104°F)*2 * The brightness of the light source may be reduced automatically over 35°C (95°F)		0 - 40°C (32 - 104°F)*2 * The brightness of the light source may be reduced automatically over 35°C (95°F)*3		0 ~ 40°C (32 ~ 104°F)*4 at altitudes from 0 to 1,600 m (0 ~ 5,249ft) 0 ~ 35°C (32 ~ 95°F) at altitudes from 1,600 to 3,048 m (5,249 - 10,000ft)					
Power requirements	AC100 - 120V / AC220 - 240V (50Hz / 60Hz)						AC 100V - 130V / AC 200V - 240V (50 / 60Hz)		AC 100 - 240V (50 / 60Hz)		AC100 - 120V / AC220 - 240V (50Hz / 60Hz)					
Power consumption	AC100 - 120V : 550W AC220 - 240V : 520W	AC100 - 120V : 500W AC220 - 240V : 480W	AC100 - 120V : 480W AC220 - 240V : 455W	AC100 - 120V : 500W AC220 - 240V : 480W	AC100 - 120V : 480W AC220 - 240V : 455W	AC100 - 120V : 480W AC220 - 240V : 455W	AC 100V - 130V : 700W, AC 200V - 240V : 700W		AC 100 - 240V : 500W		AC100 - 120V : 470W AC220 - 240V : 450W	AC100 - 120V : 440W AC220 - 240V : 420W	AC100 - 120V : 470W AC220 - 240V : 450W	AC100 - 120V : 440W AC220 - 240V : 420W	AC100 - 120V : 440W AC220 - 240V : 420W	AC100 - 120V : 440W AC220 - 240V : 420W
Standby mode power consumption	< 0.35W at saving mode *5						< 0.5W (when Low Power Mode ON) *5		< 0.5 W (Low Power Mode On) *5		< 0.5W at saving mode *5					
Standard outside dimensions (W x H x D)	498mm x 135mm x 396mm (19.6" x 5.3" x 15.6") (Excluding lens and protruding parts)						470mm x 220mm x 521mm (18.5" x 8.7" x 20.5") (Excluding lens)		360mm x 164mm x 442mm (14.2" x 6.5" x 17.4")		466mm x 138mm x 339mm (18.3" x 5.4" x 13.3")		466mm x 138mm x 337mm (18.3" x 5.4" x 13.3")			
Weight	Approx. 9.2kg (20.3lbs.)		Approx. 8.8kg (19.4lbs.)	Approx. 8.7kg (19.2lbs.)	Approx. 8.8kg (19.4lbs.)		Approx. 24.5 kg (54.0 lbs.) (Excluding lens)		Approx. 11.4 kg (25.1 lbs.)		Approx. 7.2kg (15.9lbs.)	Approx. 7.1kg (15.7lbs.)	Approx. 6.9kg (15.2lbs.)	Approx. 6.8kg (15.0lbs.)		
Accessories	Remote control with batteries, Power cord, Computer cable, Adapter cover, Lens cover, Application CD, User's Manual (Book, CD)						Remote control with batteries, Power cord, Computer cable, 3D sync cable, Wired remote cable, User's Manual (Book, CD)		Remote control with batteries, Power cord, Computer cable, 3D sync cable, User's Manual (Book, CD)		[For all models] Remote control with batteries, Power cord, Computer cable, Lens cover, User's manual (Book, CD), Security label, Hook metal, Screw, Cable tie, HDMI cable holder [For CP-WU5505, CP-WU5500, CP-WX5505, CP-WX5500, CP-X5555, CP-X5550] Adapter cover, Application CD [For CP-WU5506M, CP-WU5505, CP-WX5506M, CP-WX5505, CP-X5555] Terminal cover [For CP-WU5506M, CP-WX5506M] USB wireless adapter (USB-WL-5G)					
Features	Filter cleaning interval *6						20,000 hrs		Filter free		Filter free		10,000 hrs			

*1 WUXGA (60Hz) Reduced Blanking only.

*2 0 - 35°C (32 - 95°F) at altitudes from 760 m to 1,520 m (2,500 - 5,000 ft), 0 - 30°C (32 - 86°F) at altitudes from 1,520 m to 2,290 m (5,000 - 7,500 ft), 0 - 25°C (32 - 77°F) at altitudes from 2,290 m to 3,050 m (7,500 - 10,000 ft). Fan Speed setting is High at altitude from 1,520 m to 3,050 m (5,000 - 10,000 ft).

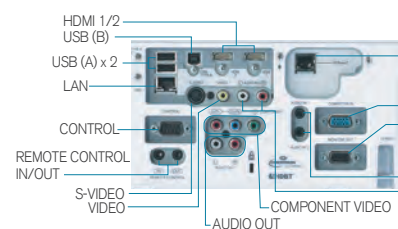
*3 When the projector is used at altitudes from 0 to 1,520 m (0 to 5,000 ft). The brightness of light source may be reduced automatically over 25°C (77°F) at altitudes from 1,520 to 3,050 m (5,000 to 10,000 ft).

*4 When the ambient temperature exceeds 40°C (104°F), the brightness of the lamp is reduced automatically.

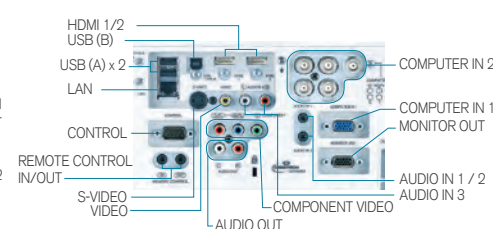
*5 Can't operate the projector via the LAN and the RS-232C when the projector is in standby mode.

*6 This interval depends on the environment.

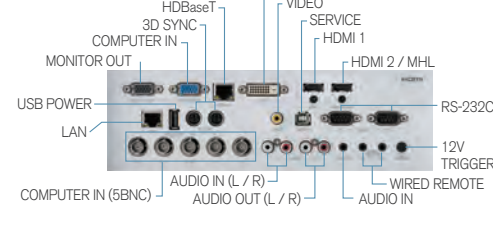
CP-WU8461, CP-WU8451



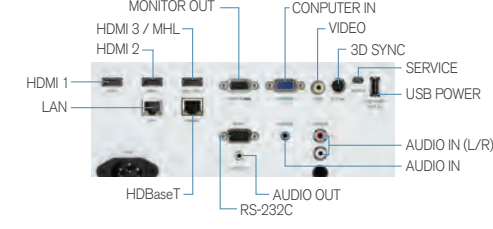
CP-WX8265, CP-WX8255A, CP-X8170, CP-X8160



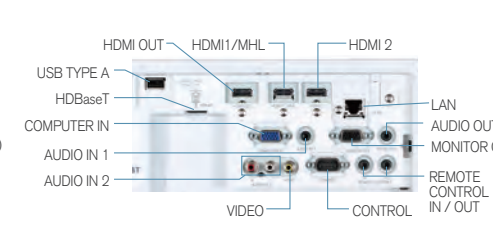
LP-WU6600



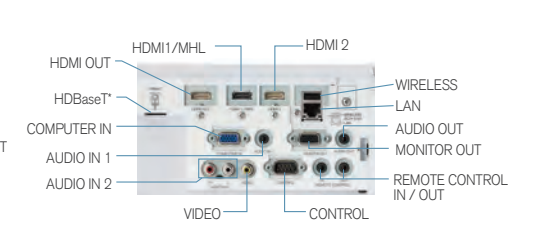
LP-WU6500



CP-WU5506M, CP-WX5506M



CP-WU5505, CP-WX5505, CP-X5555, CP-WU5500, CP-WX5500, CP-X5550



* CP-WU5500, CP-WX5500, and CP-X5550 are not equipped with the HDBaseT port.

6000 Series

Model	Item	m						inch										
		Screen size				SL-62		SD-63		ML-64		SL-62		SD-63		ML-64		
		Type	H(m)	H(°)	V(m)	V(°)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
LP-WU6600 Aspect ratio 16:10 Projection distance ③	60	1.3	51	0.8	32	1.4	1.7	2.0	2.5	2.4	3.7	57	67	79	99	95	144	
	80	1.7	68	1.1	42	1.9	2.3	2.7	3.3	3.2	4.9	75	89	105	132	128	194	
	100	2.2	85	1.3	53	2.4	2.8	3.3	4.2	4.1	6.2	94	111	131	164	161	243	
	120	2.6	102	1.6	64	2.9	3.4	4.0	5.0	4.9	7.4	113	133	157	197	193	292	
	150	3.2	127	2.0	79	3.6	4.2	5.0	6.3	6.2	9.3	141	166	196	246	242	366	
	200	4.3	170	2.7	106	4.8	5.6	6.6	8.3	8.2	12.4	187	221	262	328	324	489	
	250	5.4	212	3.4	132	5.9	7.0	-	-	10.3	15.5	234	276	-	-	406	612	
	300	6.5	254	4.0	159	7.1	8.4	-	-	12.4	18.7	281	331	-	-	488	735	
	Throw ratio		1.1	1.3	1.5	1.9	1.9	2.9	1.1	1.3	1.5	1.9	1.9	2.9				

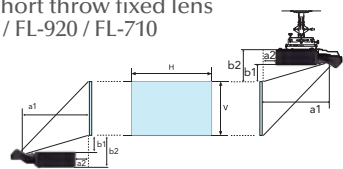
5000series

Model	Item	Screen size				m		inch		
		Type	H(m)	H(°)	V(m)	V(°)	min.	max.	min.	max.
		CP-WU5506M CP-WU5505 CP-WU5500 Aspect ratio 16:10 Projection distance ③	60	1.3	51	0.8	32	1.7	3.0	68
80	1.7	68	1.1	42	2.3	4.0	91	158		
100	2.2	85	1.3	53	2.9	5.0	115	198		
120	2.6	102	1.6	64	3.5	6.0	138	238		
150	3.2	127	2.0	79	4.4	7.6	173	298		
200	4.3	170	2.7	106	5.9	10.1	231	397		
250	5.4	212	3.4	132	7.4	12.6	290	497		
300	6.5	254	4.0	159	8.8	15.2	348	597		
Throw ratio		1.4	2.3	1.4	2.3					

Model	Item	Screen size				m		inch		
		Type	H(m)	H(°)	V(m)	V(°)	min.	max.	min.	max.
		CP-WX5506M Aspect ratio 16:10 Projection distance ③	60	1.3	51	0.8	32	1.6	2.7	64
80	1.7	68	1.1	42	2.2	3.6	86	141		
100	2.2	85	1.3	53	2.8	4.5	109	177		
120	2.6	102	1.6	64	3.3	5.4	131	213		
150	3.2	127	2.0	79	4.2	6.8	164	267		
200	4.3	170	2.7	106	5.6	9.1	220	357		
250	5.4	212	3.4	132	7.0	11.4	276	447		
300	6.5	254	4.0	159	8.4	13.6	332	537		
Throw ratio		1.4	2.3	1.4	2.3					

Projection distance

Ultra short throw fixed lens FL-910 / FL-920 / FL-710



H x V : Screen size
a1: Reflecting mirror surface to screen
a2: Projector end to screen
b1: Projector top to screen edge (closer edge to projector)
b2: Projector bottom to screen edge (closer edge to projector)
* This figure is not drawn to scale.

9000 Series

Model	Item	m						inch					
		Screen size				FL-920		FL-920		FL-920		FL-920	
		Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1
LP-WU9100B LP-WU9750B Aspect ratio 16:10	100	2.2	85	1.3	53	0.817	-0.022	0.376	0.592	32	-1	15	23
	120	2.6	102	1.6	64	0.969	0.258	0.467	0.637	38	10	18	27
	150	3.2	127	2.0	79	1.196	0.357	0.595	0.811	47	14	23	32
	200	4.3	170	2.7	106	1.574	0.735	0.813	1.029	62	29	32	41
	250	5.4	212	3.4	132	1.953	1.113	1.032	1.248	77	44	41	49
	300	6.5	254	4.0	159	2.331	1.492	1.250	1.466	92	59	49	58
350	7.5	297	4.7	185	2.709	1.870	1.469	1.685	107	74	58	66	

Model	Item	m						inch					
		Screen size				FL-910		FL-910		FL-910		FL-910	
		Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1
CP-WU9100W CP-WU9100B CP-WU9411 CP-WU9410 Aspect ratio 16:10	100	2.2	85	1.3	53	0.817	0.107	0.379	0.549	32	4	15	22
	120	2.6	102	1.6	64	0.969	0.258	0.467	0.637	38	10	18	25
	150	3.2	127	2.0	79	1.196	0.485	0.598	0.768	47	19	24	30
	200	4.3	170	2.7	106	1.574	0.864	0.816	0.986	62	34	32	39
	250	5.4	212	3.4	132	1.953	1.242	1.035	1.205	77	49	41	47
	300	6.5	254	4.0	159	2.331	1.620	1.253	1.423	92	64	49	56
350	7.5	297	4.7	185	2.709	1.999	1.472	1.642	107	79	58	65	

Model	Item	m						inch					
		Screen size				FL-910		FL-910		FL-910		FL-910	
		Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1
CP-HD9950W CP-HD9950B CP-HD9321 CP-HD9320 Aspect ratio 16:9	100	2.2	87	1.2	49	0.839	0.128	0.471	0.641	33	5	19	25
	120	2.7	105	1.5	59	0.994	0.283	0.577	0.747	39	11	23	29
	150	3.3	131	1.9	74	1.227	0.517	0.735	0.905	48	20	29	36
	200	4.4	174	2.5	98	1.616	0.906	1.000	1.170	64	36	39	46
	250	5.5	218	3.1	123	2.005	1.295	1.264	1.434	79	51	50	56
	300	6.6	261	3.7	147	2.394	1.684	1.528	1.698	94	66	60	67
350	7.7	305	4.4	172	2.783	2.072	1.793	1.963	110	82	71	77	

Model	Item	m						inch					
		Screen size				FL-910		FL-910		FL-910		FL-910	
		Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1
CP-WX9211 CP-WX9210 Aspect ratio 16:9	100	2.2	85	1.3	53	0.855	0.145	0.514	0.684	34	6	20	27
	120	2.6	102	1.6	64	1.014	0.304	0.628	0.798	40	12	25	31
	150	3.2	127	2.0	79	1.253	0.542	0.800	0.970	49	21	31	38
	200	4.3	170	2.7	106	1.650	0.939	1.086	1.256	65	37	43	49
	250	5.4	212	3.4	132	2.047	1.337	1.371	1.541	81	53	54	61
	300	6.5	254	4.0	159	2.444	1.734	1.657	1.827	96	68	65	72
350	7.5	297	4.7	185	2.842	2.131	1.943	2.113	112	84	76	83	

Model	Item	m						inch					
		Screen size				FL-910		FL-910		FL-910		FL-910	
		Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1
CP-X9111 CP-X9110 Aspect ratio 4:3	100	2.0	80	1.5	60	0.800	0.090	0.361	0.531	32	4	14	21
	120	2.4	96	1.8	72	0.948	0.238	0.445	0.615	37	9	18	24
	150	3.0	120	2.3	90	1.170	0.460	0.570	0.740	46	18	22	29
	200	4.1	160	3.0	120	1.540	0.830	0.780	0.950	61	33	31	37
	250	5.1	200	3.8	150	1.910	1.200	0.989	1.159	75	47	39	46
	300	6.1	240	4.6	180	2.280	1.569	1.198	1.368	90	62	47	54
350	7.1	280	5.3	210	2.650	1.939	1.408	1.578	104	76	55	62	

8000 Series

Model	Item	m						inch					
		Screen size				FL-710		FL-710		FL-710		FL-710	
		Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1
CP-WU8700W CP-WU8700B CP-WU8600W Aspect ratio 16:10	100	2.2	85	1.3	53	0.819	0.108	0.427	0.616	32	4	17	24
	120	2.6	102	1.6	64	0.965	0.254	0.521	0.710	38	10	21	28
	150	3.2	127	2.0	79	1.185	0.473	0.662	0.851	47	19	26	34
	200	4.3	170	2.7	106	1.550	0.839	0.898	1.087	61	33	35	43
	250	5.4	212	3.4	132	1.915	1.204	1.133	1.322	75	47	45	52
	300	6.5	254	4.0	159	2.281	1.569	1.369	1.558	90	62	54	61
	350	7.5	297	4.7	185	2.646	1.935	1.604	1.793	104	76	63	71

Model	Item	m						inch					
		Screen size				FL-710		FL-710		FL-710		FL-710	
		Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1
CP-WX8750W CP-WX8750B CP-WX8650W Aspect ratio 16:10	100	2.2	85	1.3	53	0.819	0.108	0.427	0.616	32	4	17	24
	120	2.6	102	1.6	64	0.965	0.254	0.521	0.710	38	10	21	28
	150	3.2	127	2.0	79	1.185	0.473	0.662	0.851	47	19	26	34
	200	4.3	170	2.7	106	1.550	0.839	0.898	1.087	61	33	35	43
	250	5.4	212	3.4	132	1.915	1.204	1.133	1.322	75	47	45	52

Option

	K Series	9000 Series				8000 Series				6000 Series		5000 Series	
Lamp	CP-WU13K	LP-WU9100B LP-WU9750B	CP-WU9100W CP-WU9100B CP-HD9950W CP-HD9950B	CP-HD9321 CP-HD9320	CP-WU9411 CP-WU9410 CP-WX9211 CP-WX9210 CP-X9111 CP-X9110	CP-WU8700W CP-WU8700B CP-WX8750W CP-WX8750B CP-X8800W CP-X8800B	CP-WU8600W CP-WX8650W	CP-WU8461 CP-WX8265 CP-X8170	CP-WU8451 CP-WX8255A CP-X8160	LP-WU6600	LP-WU6500	CP-WU5506M CP-WX5506M	CP-WU5505 CP-WU5500 CP-WX5505 CP-WX5500 CP-X5555 CP-X5550
Filter set	MU08321 (for front), MU08331 (for rear)	-	UX39551				UX40821		UX38242	UX38241	-	UX41161	
Lens unit	FL-K01 (Fixed short throw lens) FL-K02 (Fixed short throw lens) SL-K03 (Short throw zoom lens) ML-K04 (Standard zoom lens) LL-K05 (Long throw zoom lens) UL-K06 (Ultra long throw zoom lens)	USL-901A (Ultra short throw lens) SL-902 (Short throw lens) SD-903 (Standard lens) ML-904 (Middle throw lens) LL-905 (Long throw lens) UL-906 (Ultra long throw lens)				FL-701 (Fixed short throw lens) SL-712 (Short throw lens) ML-713 (Middle throw lens) LL-704 (Long throw lens) UL-705 (Ultra long throw lens) FL-710 (Ultra short throw fixed lens)		FL-701 (Fixed short throw lens) SL-702 (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)		SL-62 (Semi short throw lens) SD-63 (Standard lens) ML-64 (Long throw lens)		-	
Mounting accessory	HAS-13K (Bracket for ceiling mount) FS-13K (Frame for stacking)	HAS-L9750 (Bracket for fixing mount)	HAS-9110 (Bracket for fixing mount)		HAS-9110 (Bracket for fixing mount)		HAS-8150 (Bracket for fixing mount)		HAS-L6000 (Bracket for fixing mount)	HAS-L5000 (Bracket for fixing mount)	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)		
USB wireless adapter	-	-	USB-WL-11N *2		USB-WL-11N *2		-		-		USB-WL-11N *2		
Others	-	-				-		-		-		RC-R104 (Wired remote terminal)	

*1 HAS-404U is used with a projector that the ultra short throw fixed lens FL-920, FL-910, or FL-710 is attached to when it is installed at the ceiling mounting position.

*2 The availability of the USB-WL-11N varies depending on the country and region.

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 Hitachi 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, DLP® chip, LCD panel, polarizing plate, PBS [polarizer beam splitter]) and cooling fans have limited service lives. They must be repaired or replaced if they are used for a long period of time.
- The projectors other than LP-WU9100B, LP-WU9750B, LP-WU6600, and LP-WU6500 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 LCD 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 the projector using a lamp light source on again for ten minutes after shutdown. Neglect can shorten the lifetime of the lamp.
- During use and immediately after use, do not touch anywhere near the lamp and the vents as these parts are extremely hot.
- Android is a trademark of Google Inc.
- 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.
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- DLP® and the DLP logo are registered trademarks of Texas Instruments.
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- 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.
- iOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- Mac is a registered trademark of Apple Inc.
- MHL, the MHL logo, and Mobile High-Definition Link are trademarks or registered trademarks of MHL, LLC in the United States and other countries.
- All other trademarks are the properties of their respective owners.



LP-WU9100B/LP-WU9750B/LP-WU6600/LP-WU6500 projector is a CLASS 1 LASER PRODUCT (IEC/EN 60825-1:2014). (CLASS 3R LASER PRODUCT (IEC/EN 60825-1:2007) for the U.S.A. and Canada)

Case Studies

Hitachi projectors are utilized in various ways.



LP-WU9100B

LASER RADIATION
AVOID DIRECT EYE EXPOSURE
CLASS 3R LASER PRODUCT
Wavelength: 450-460 nm
Max. Pulse energy: 0.253 mJ, Pulse duration: 0.5 ms
IEC/EN 60825-1:2007

RAYONNEMENT LASER
EVITER D'EXPOSER DIRECTEMENT LENS YEUX
PRODUIT LASER DE CLASSE 3R
Longueur D'onde: 450-460nm
Energie D'impulsion Max.: 0.253 mJ, Durée de L'impulsion: 0.5 ms
IEC/EN 60825-1:2007

LASERSTRAHLUNG
DIREKTE EXPOSITION DER AUGEN VERMEIDEN
LASERPRODUKT DER KLASSE 3R
Wellenlänge: 450-460 nm
Max. Pulsenergie: 0.253 mJ, Pulsdauer: 0.5 ms
IEC/EN 60825-1:2007

LP-WU9750B

LASER RADIATION
AVOID DIRECT EYE EXPOSURE
CLASS 3R LASER PRODUCT
Wavelength: 450-460 nm
Max. Pulse energy: 0.376 mJ, Pulse duration: 0.74 ms
IEC/EN 60825-1:2007

RAYONNEMENT LASER
EVITER D'EXPOSER DIRECTEMENT LENS YEUX
PRODUIT LASER DE CLASSE 3R
Longueur D'onde: 450-460nm
Energie D'impulsion Max.: 0.376 mJ, Durée de L'impulsion: 0.74 ms
IEC/EN 60825-1:2007

LASERSTRAHLUNG
DIREKTE EXPOSITION DER AUGEN VERMEIDEN
LASERPRODUKT DER KLASSE 3R
Wellenlänge: 450-460 nm
Max. Pulsenergie: 0.376 mJ, Pulsdauer: 0.74 ms
IEC/EN 60825-1:2007

LP-WU6600

LASER RADIATION
AVOID DIRECT EYE EXPOSURE
CLASS 3R LASER PRODUCT
Wavelength: 450-460 nm
Max. Pulse energy: 0.698 mJ
Pulse duration: 1.34 ms
IEC/EN 60825-1:2007

RAYONNEMENT LASER
EVITER D'EXPOSER DIRECTEMENT LENS YEUX
PRODUIT LASER DE CLASSE 3R
Longueur D'onde: 450-460nm
Energie D'impulsion Max.: 0.698 mJ
Durée de L'impulsion: 1.34 ms
IEC/EN 60825-1:2007

LASERSTRAHLUNG
DIREKTE EXPOSITION DER AUGEN VERMEIDEN
LASERPRODUKT DER KLASSE 3R
Wellenlänge: 450-460 nm
Max. Pulsenergie: 0.698 mJ
Pulsdauer: 1.34 ms
IEC/EN 60825-1:2007

LP-WU6500

LASER RADIATION
AVOID DIRECT EYE EXPOSURE
CLASS 3R LASER PRODUCT
Wavelength: 450-460 nm
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RAYONNEMENT LASER
EVITER D'EXPOSER DIRECTEMENT LENS YEUX
PRODUIT LASER DE CLASSE 3R
Longueur D'onde: 450-460nm
Energie D'impulsion Max.: 0.698 mJ,
Durée de L'impulsion: 1.34 ms
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LASERPRODUKT DER KLASSE 3R
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IEC/EN 60825-1:2007