

Projectors Installation series

**HITACHI**  
Inspire the Next

Providing advanced functionality  
with flexible installation features



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December 2016

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NM-E416 122016



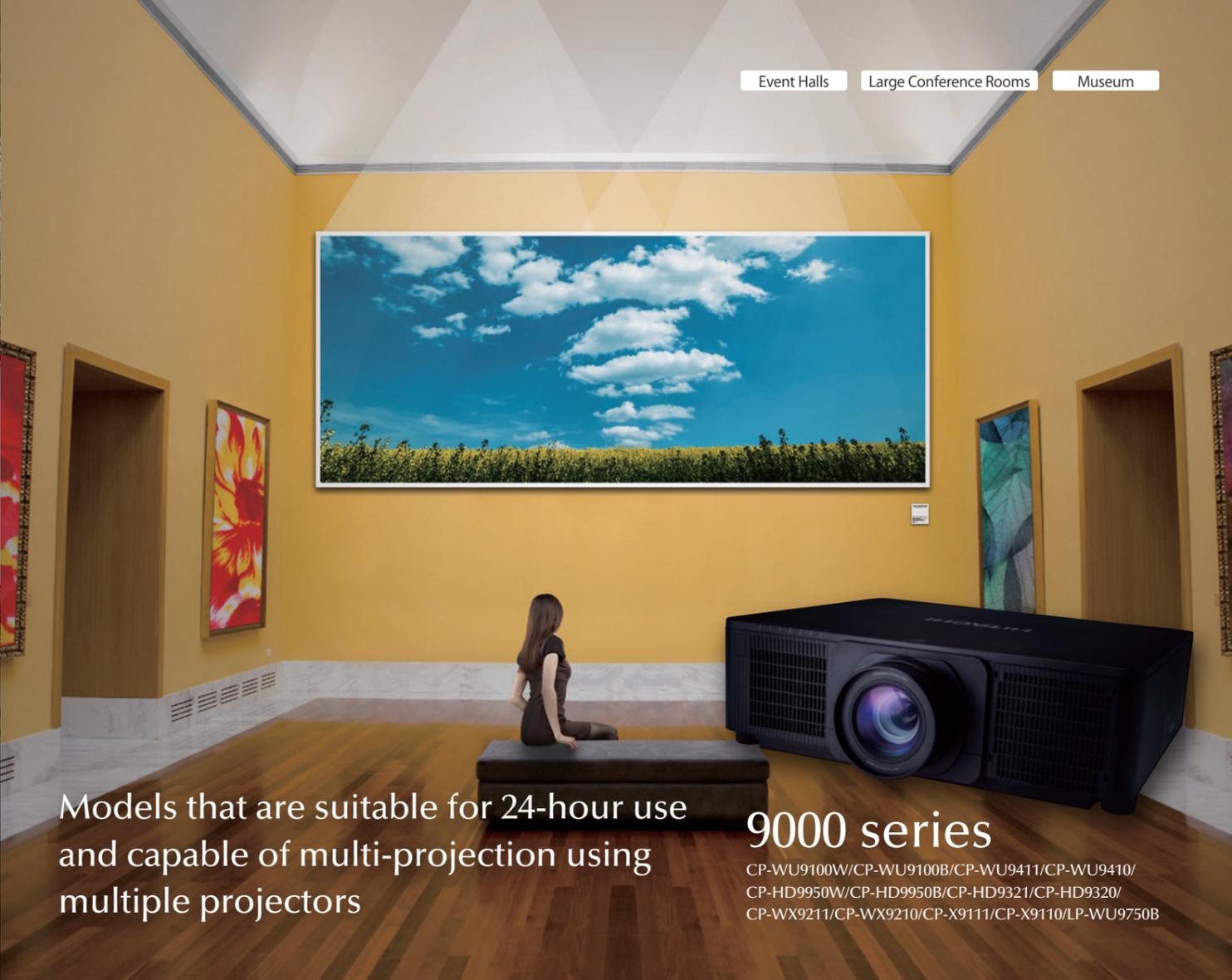
\*Projected images are simulations



A model that projects high-definition images with vivid colors on to powerful large screens

### K series

CP-WU13K



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

### 9000 series

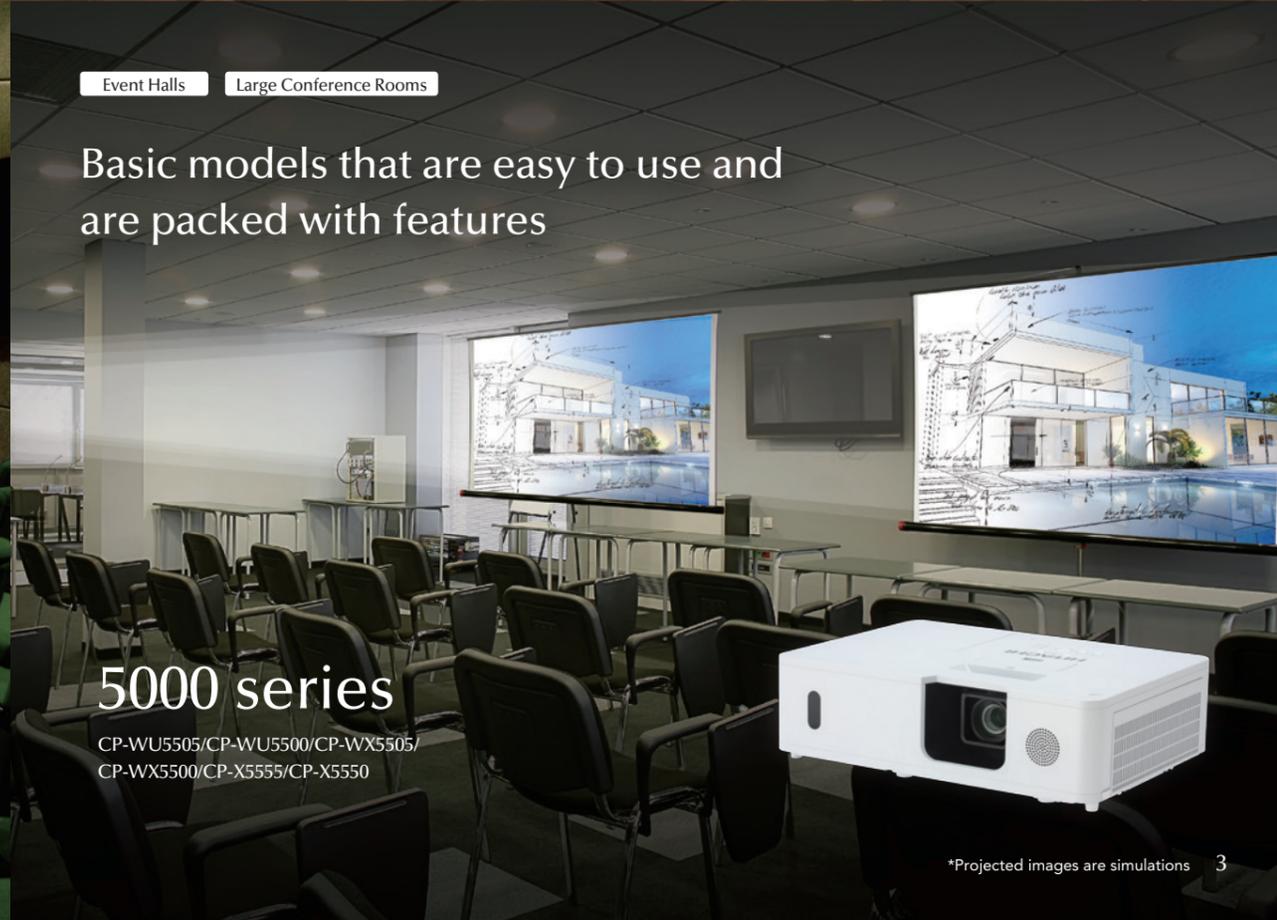
CP-WU9100W/CP-WU9100B/CP-WU9411/CP-WU9410/  
CP-HD9950W/CP-HD9950B/CP-HD9321/CP-HD9320/  
CP-WX9211/CP-WX9210/CP-X9111/CP-X9110/LP-WU9750B



Models with a slim design that blend seamlessly with ceilings

### 8000 series

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



Basic models that are easy to use and are packed with features

### 5000 series

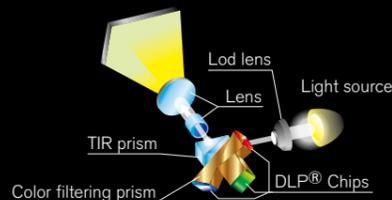
CP-WU5505/CP-WU5500/CP-WX5505/  
CP-WX5500/CP-X5555/CP-X5550



	K Series	9000 Series							8000 Series										5000 Series						
Model Name	CP-WU13K	CP-WU9100W CP-WU9100B	CP-WU9411 CP-WU9410	CP-HD9950W CP-HD9950B	CP-HD9321 CP-HD9320	CP-WX9211 CP-WX9210	CP-X9111 CP-X9110	LP-WU9750B	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	CP-WU5505	CP-WU5500	CP-WX5505	CP-WX5500	CP-X5555	CP-X5550
Display System	3-Chip DLP®	1-Chip DLP®							3 LCD										3 LCD						
Light Output (Brightness)	13,000 lm	10,000 lm	8,500 lm	9,500 lm	8,200 lm	8,500 lm	10,000 lm	8,000 lm	7,000 lm	6,000 lm	7,500 lm	6,500 lm	8,000 lm	6,000 lm	5,000 lm	6,500 lm	5,500 lm	7,000 lm	6,000 lm	5,200 lm	5,200 lm	5,200 lm	5,200 lm	5,800 lm	5,800 lm
Resolution	WUXGA 1,920 × 1,200	WUXGA 1,920 × 1,200		Full HD 1,920 × 1,080		WXGA 1,280 × 800	XGA 1,024 × 768	WUXGA 1,920 × 1,200	WUXGA 1,920 × 1,200		WXGA 1,280 × 800		XGA 1,024 × 768	WUXGA 1,920 × 1,200		WXGA 1,280 × 800		XGA 1,024 × 768		WUXGA 1,920 × 1,200		WXGA 1,280 × 800		XGA 1,024 × 768	
Light Source	465W × 2 lamp	430W × 2 lamp	370W × 2 lamp	430W × 2 lamp	365W × 2 lamp	370W × 2 lamp		Laser diode	430W lamp	370W lamp	430W lamp	370W lamp	430W lamp	365W lamp	330W lamp	365W lamp	330W lamp	365W lamp	330W lamp	300W lamp					
Standard Outside Dimensions (W × H × D)	500mm × 270mm × 633mm (19.7" × 10.6" × 24.9") (Excluding lens and protruding parts)	537mm × 170mm × 438mm (21.1" × 6.7" × 17.2") (Excluding lens and protruding parts)							500mm × 216mm × 576mm (19.7" × 8.5" × 22.7") (Excluding lens and protruding parts)	501mm × 167mm × 437mm (19.7" × 6.6" × 17.2") (Excluding lens)					498mm × 135mm × 396mm (19.6" × 5.3" × 15.6") (Excluding protruding parts)					466mm × 138mm × 339mm (18.3" × 5.4" × 13.3")	466mm × 138mm × 337mm (18.3" × 5.4" × 13.3")				
Weight	Approx. 34.0kg (75.0lbs.) (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. 28kg (61.7lbs.) (Excluding lens)	Approx. 11.1kg (24.5lbs.) (Excluding lens)					Approx. 9.2kg (20.3lbs.)	Approx. 8.8kg (19.4lbs.)	Approx. 8.7kg (19.2lbs.)	Approx. 8.8kg (19.4lbs.)			Approx. 7.1kg (15.7lbs.)	Approx. 6.8kg (15.0lbs.)				
Main Features	HDBaseT & 2 HDMI input 3G / HD / SD-SDI Dual Lamp Lamp Power Mode Edge Blending Motorized Zoom, Focus, and Lens Shift	HDBaseT & 2 HDMI input ACCENTUALIZER HDCR Built-in Dual Color Wheel Dual Lamp Edge Blending Geometric Correction (Warping) Status Monitor Display Motorized Zoom, Focus, and Lens Shift SDI input (CP-WU9100W/B, CP-HD9950W/B, CP-HD9321, CP-HD9320) 360° Projection Portrait projection (CP-WU9100W/B, CP-HD9950W/B, CP-HD9321, CP-HD9320)							Laser light source HDBaseT & 2 HDMI input Edge Blending Geometric Correction (Warping) Motorized Zoom, Focus, and Lens Shift SDI input/output Portrait projection All angled installation capability	HDBaseT & 2 HDMI input ACCENTUALIZER HDCR Image Optimizer Edge Blending Geometric Correction (Warping) Status Monitor Display Motorized Zoom, Focus, and Lens Shift SDI input (CP-WU8700W/B) 360° Projection Portrait projection					HDBaseT input (CP-WU8461 and CP-WU8451) 2 HDMI input ACCENTUALIZER (except for CP-WX8255A and CP-X8160) HDCR (CP-WU8461 and CP-WU8451) P by P (except for CP-X8160) P in P (except for CP-WX8255A and CP-X8160) High Efficiency Optical System Slim Design 360° Projection Status Monitor Display Motorized Zoom, Focus, and Lens Shift Built-in Speaker (except for CP-WX8265 and CP-X8170)					HDBaseT (CP-WU5505, CP-WX5505, CP-X5555) 2 HDMI input MHL input capability ACCENTUALIZER HDCR Image Optimizer High Efficiency Optical System Edge Blending Geometric Correction (Warping) Lens Shift Built-in Speaker					

### 3-Chip DLP®

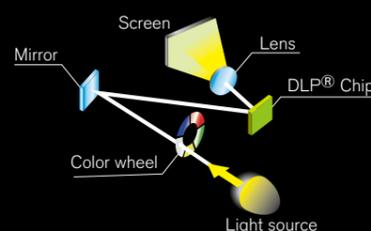
Each chip is divided by a light prism into each of the three primary color chips instead of the light being directed into one unique chip. The light is then redirected and combined through the projector lens as the image. This 3-chip system makes images natural with vivid colors.



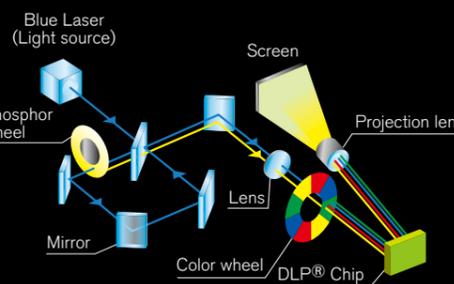
### 1-Chip DLP®

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.

### Lamp light source

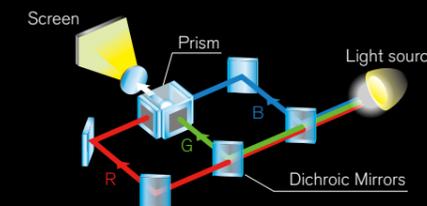


### Laser (blue) light source



### 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 ensure 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.

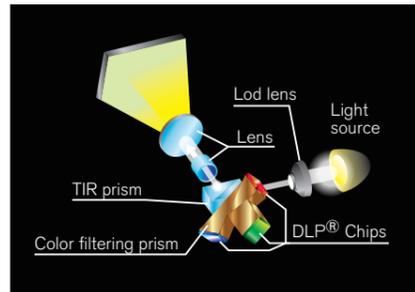


# K Series

## High Brightness and Image Quality That Deliver Bright Vivid Colors

### 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.

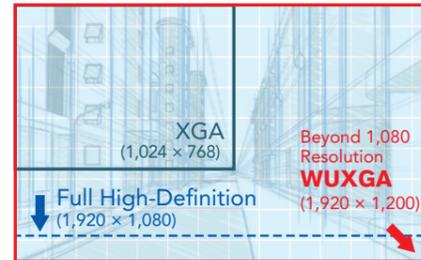


Lamp mode		Brightness
Dual	Normal	13,000 lm
	Eco	10,000 lm
	Power	10,000 - 13,000 lm
Single	Normal	6,500 lm
	Eco	5,000 lm
	Power	5,000 - 6,500 lm

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.



## Advanced Installability and System Features for Various Uses

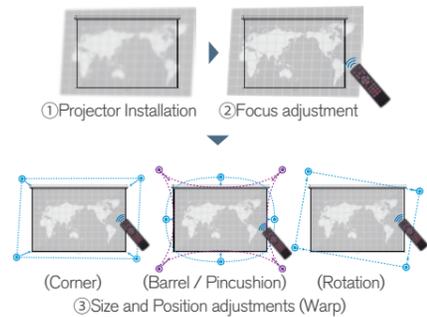
### Edge Blending

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



### Powered Focus and Warp

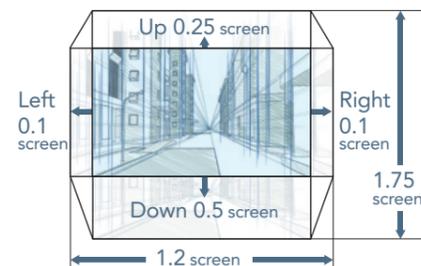
The position of the four corners, sides, and rotation of a projected image can be adjusted with Warp. Focus can be adjusted with Powered Focus. The focus and position can easily be adjusted with the remote control.



### 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.



## 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

## 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.



## Ensuring 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.

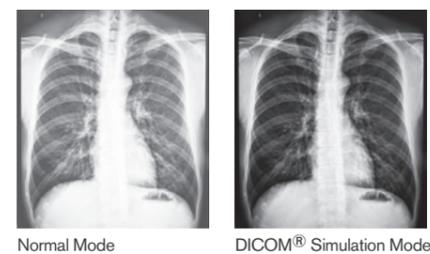


## High Brightness and Image Quality that Express Images Brilliantly

### 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.



## 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.



### 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.



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

# 9000 Series

## Image Quality

### 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, Hitachi unique technology 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.



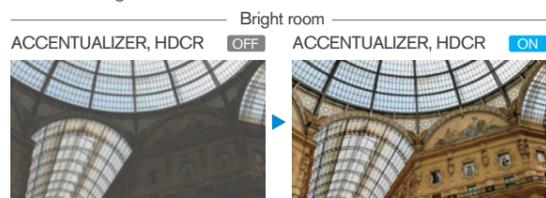
**Bright mode** : Prioritizes brightness and sharpens white colors. Achieves projections with bright and high contrast images, making it suitable for presentations and other situations that require the sharing of information.



**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.



### 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.



## Ensuring High Reliability and Stability

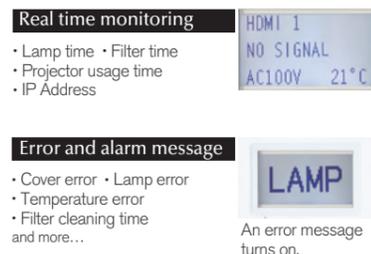
### 24/7 Use

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.



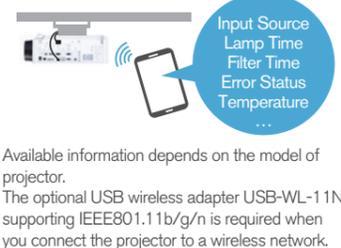
### Status Monitor

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 whenever you need, even if you are not close to the projector.



## LINE UP

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

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

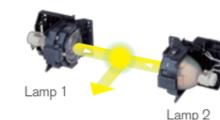


## Option lens

FL-910 Ultra short throw fixed lens Zoom: ×1.0	USL-901 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

## Dual Lamp

Equipped with a dual lamp system that achieves a high brightness of 10,000 lm<sup>2</sup> in a compact body weighing only approx. 16.6kg (36.6lbs.)<sup>\*3</sup>. 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

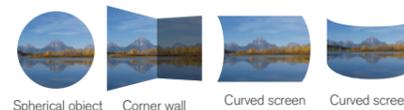
\*2 For the CP-WU9100W/B, CP-X9111 and CP-X9110

\*3 Does 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 any vertical 360 degrees direction. In addition, by rotating the installation position of the projector 90 degrees<sup>\*4</sup>, 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<sup>\*5</sup>.

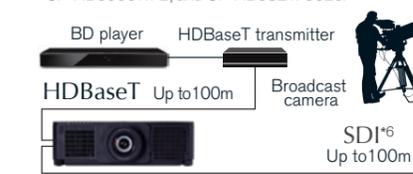


\*5 For CP-WU9100W/B and CP-HD9950W/B.

### 5 Digital Inputs

Equipped with an SDI<sup>\*6</sup> input, the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable. Projectors provide 5 digital inputs : SDI, HDBaseT<sup>TM</sup>, HDMI(×2), DVI-D.

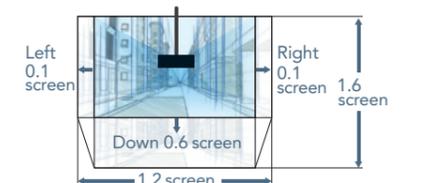
\*6 SDI input terminal is supported by CP-WU9100W/B, CP-HD9950W/B, and CP-HD9321/9320.



### 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.



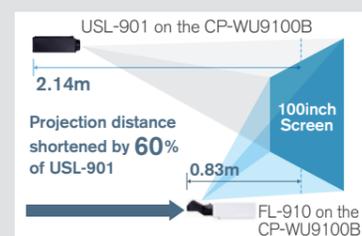
### Ultra short throw fixed lens

#### 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.



### 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



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

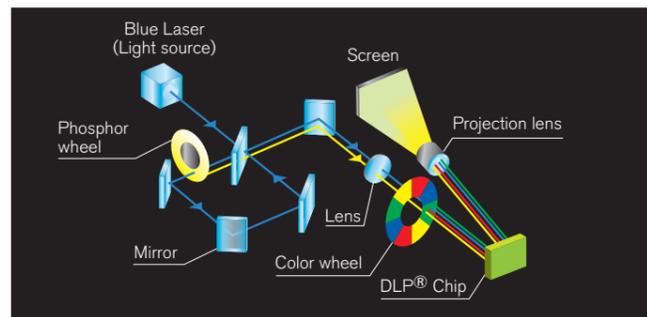
# 9000 Series



## High Reliability and Stability

### Long life 20,000 hours\*1 Laser light source

Light source combined Blue laser diodes and Phosphor can achieve 8,000 lm. The projection image has a bright, clear, and vivid color. Since lamp exchange is unnecessary, maintenance cost is reduced. Furthermore, you do not need to worry about lamp life, and it is suitable for digital signage purposes that require long hours of continuous projection. Because the product does not use mercury lamps, it is highly eco-friendly. \*1 Not a guaranteed value.



### Wide range of Color Reproduction

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

### Dust resistant structure by sealed engine

Reduces the invasion of dust and the 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 color 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 in side-by-side projection and edge blending applications.

\*2 The adjustment range is 20~100% at Custom mode.



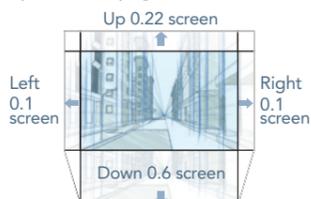
Tunes brightness of image according to surrounding environment.

Matches brightness of images projected side by side.

## Interchangeable Lens Options

### 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 LP-WU9750B with the optional lens SD-903 at the ceiling mounting position. For the other lens and projectors, please see page 29.



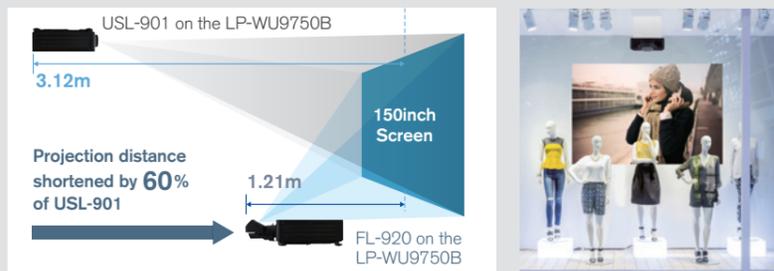
## Ultra Short Throw fixed lens

### All Glass lens

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

### Ceiling mount HAS-404U

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



## LINE UP

### LP-WU9750B

WUXGA 8,000 lm



\* The lens of the projector is sold separately. \* Local availability may be limited. \* Mounting accessories are not included in the box.



## Option lens

- FL-920 Ultra short throw fixed lens Zoom: x1.0
- USL-901 Ultra short throw lens Zoom: x1.3
- SL-902 Short throw lens Zoom: x1.5
- SD-903 Standard lens Zoom: x1.5
- ML-904 Middle throw lens Zoom: x1.5
- LL-905 Long throw lens Zoom: x1.6
- UL-906 Ultra long throw lens Zoom: x1.6

## Advanced Installability

### 360° Projection

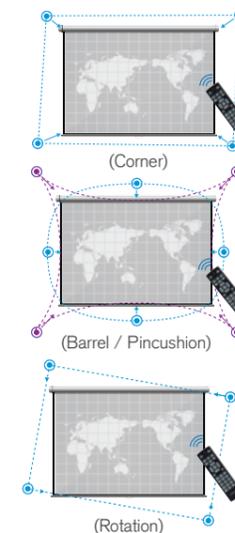
This projector provides great installation flexibility as it can be installed at any angle\*3.



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

### Warping (Geometry Correction)

Equipped warping with which the position of the four corners, four sides, and rotation of a projected image can be adjusted.



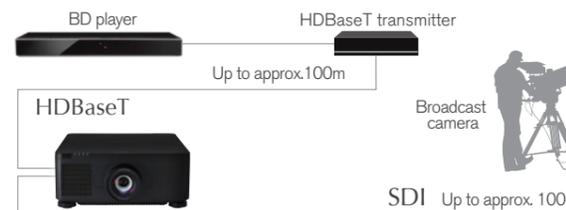
### Edge blending

This projector is equipped with the Edge Blending function that achieves further seamless projection of one image using multiple projectors.



## Digital Connectivity

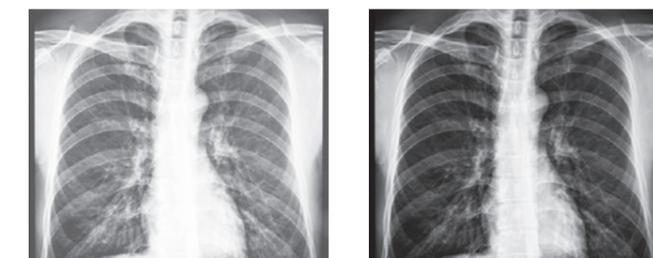
Equipped with an SDI input, the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable. Projectors provide 5 digital inputs: SDI, HDBaseT™, HDMI(x2), DVI-D.



## 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.

\* 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.



Normal Mode

DICOM® Simulation Mode

## Other Features

**[Network]** · Projector Control **[Installability]** Lens center design **[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



# 8000 Series - High spec models

Seamless design and High image quality

Providing advanced functions and flexible installation features



## LINE UP

WH CP-WU8700W

WH CP-WU8600W

WH CP-WX8750W

BL CP-WU8700B

WUXGA 7,000 lm

WUXGA 6,000 lm

BL CP-WX8750B

WXGA 7,500 lm

WH CP-WX8650W

WH CP-X8800W

WXGA 6,500 lm

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

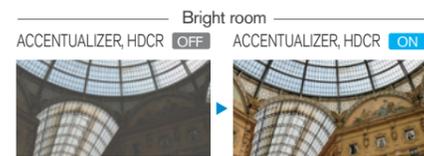
LL-704  
Long  
throw lens  
Zoom: x1.7

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

## Original Hitachi technology delivers outstanding visual beauty 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.



### IMAGE OPTIMIZER

Equipped with IMAGE OPTIMIZER, Hitachi's original function that maintains visibility of an image through automatic image correction in accordance with lamp consumption. \* This function may not work properly when HDCR/ACCENTUALIZER is ON.



### 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.



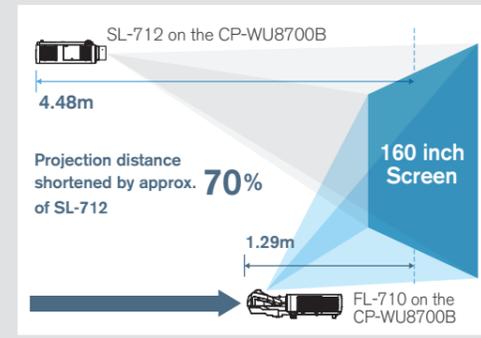
## Ultra short throw fixed lens

### 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.



## 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

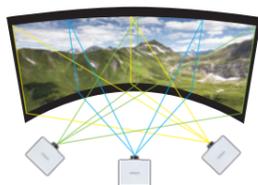
### Geometry Correction

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.



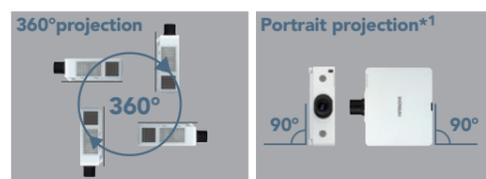
### Edge Blending

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.



### Various Installation

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

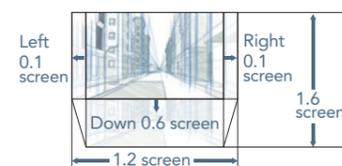


\*1 Limited to the position where the terminal side is on the top. Make sure to fix the projector before using. The service life of a lamp becomes shorter.

### Motorized Lens Shift

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

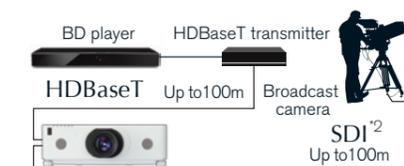
\* The figure below shows the lens shift range for CP-WU8700W / CP-WU8700B / CP-WU8600W / CP-WX8750W / CP-WX8750B / CP-WX8650W with the optional middle throw lens ML-713 at the ceiling mounting position.



### 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\*2 input terminals.

\*2 SDI terminal is located on the CP-WU8700W/B only.

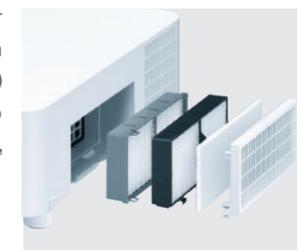


## Ensuring High Reliability and Stability

### 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\*3 without cleaning, reducing maintenance time.

\*3 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...



### 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 whenever 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 ensure 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 · 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-X8170  
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.

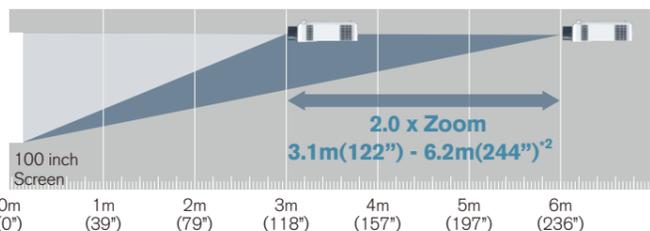
# 8000 Series



## Advanced Installability and System Features for Various Uses

### 2.0x Zoom Lens

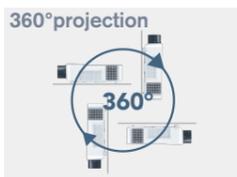
Featuring a powerful 2.0x zoom lens, the projectors allow for a greater range of installation possibilities. This is particularly convenient in rooms that lack installation flexibility due to ceiling obstructions such as water sprinklers, vents, and lighting fixtures.



<sup>2</sup>The projection distance above is for the CP-X8170.

### 360° Projection

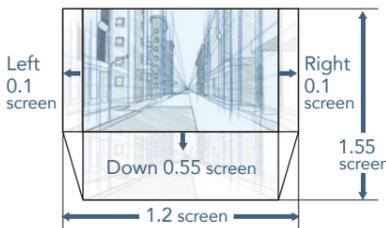
The projectors can be installed facing any vertical 360 degree direction providing many projection possibilities. For example, you can install a projector to project onto a floor or ceiling. You can utilize the projectors in many different ways.



### Motorized Lens Shift

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

<sup>\*</sup> 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.



### Lens Center Design

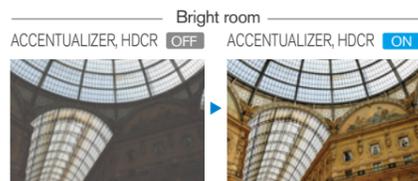
By aligning the center of the projector and lens, the installation position of the projector becomes simple during the design and construction of a facility.



## Original Hitachi technology delivers outstanding visual beauty 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.

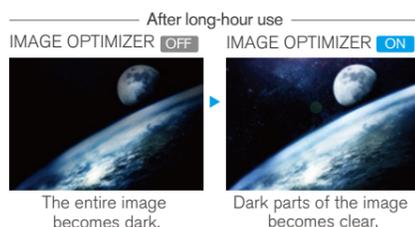


<sup>\*</sup> Only for the CP-WU8461 / CP-WU8451 / CP-WX8265 / CP-X8170

### IMAGE OPTIMIZER

Equipped with IMAGE OPTIMIZER, Hitachi's original function that maintains visibility of an image through automatic image correction in accordance with lamp consumption.

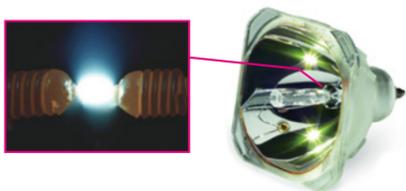
<sup>\*</sup>This function may not work properly when HDCR/ACCENTUALIZER is ON.



<sup>\*</sup> 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



<sup>\*</sup> HDBase™ is supported by CP-WU8461 and CP-WU8451 only.

<sup>\*</sup> 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<sup>\*1</sup>  
Middle throw lens  
Zoom: x2.0



ML-713  
Middle throw lens  
Zoom: x1.7



LL-704  
Long throw lens  
Zoom: x1.7



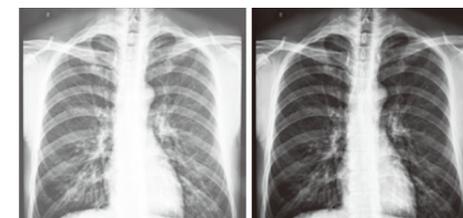
UL-705  
Ultra long throw lens  
Zoom: x1.7

<sup>\*1</sup> 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.



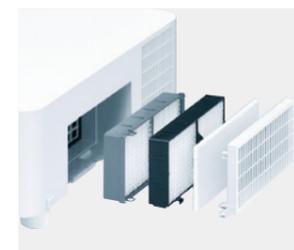
Normal Mode DICOM® Simulation Mode

## Ensuring 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<sup>\*3</sup> without cleaning, reducing maintenance time.

<sup>\*3</sup> Varies according to usage environment.



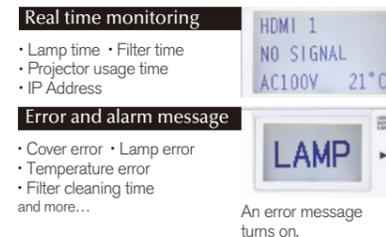
### Easy Maintenance

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

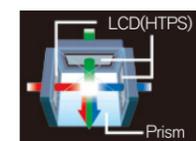
The projectors allow you to get the information displayed on the status monitor and more by your tablet or smartphone with the latest dedicated free online application whenever you need, even if you are not close to the projector.



<sup>\*</sup> Available information depends on the model of projector. The optional USB wireless adapter USB-WL-11N supporting IEEE802.11b/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 ensure 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



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



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



\* HDBase™ are supported by CP-WU5505, CP-WX5505, and CP-X5555 only.

\* Local availability may be limited.

## Original Hitachi technology delivers outstanding visual beauty 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.



### ACCENTUALIZER

Hitachi original technology makes pictures look more real by enhancing (1) Shade, (2) Sharpness, and (3) Gloss to make pictures as clear as pictures on a flat-panel device. You can also adjust the effects by three levels according to your surroundings so that the colors of projected images are the actual colors of the objects they represent.



### IMAGE OPTIMIZER

Equipped with IMAGE OPTIMIZER, Hitachi's original function that maintains visibility of an image through automatic image correction in accordance with lamp consumption.

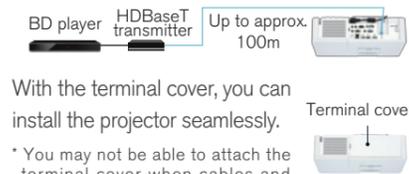
\*This function may not work properly when HDCR/ACCENTUALIZER is ON.



### Seamless Design

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

\* For CP-WU5505 / CP-WX5505 / CP-X5555 only



\* 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\*1 in series in order to project the same images simultaneously.



\*1 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.



## Ensuring High Reliability and Stability

### 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.



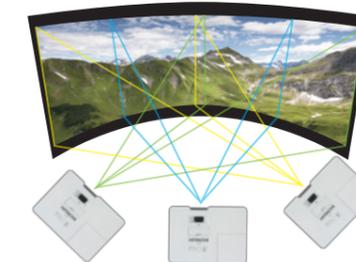
### Backup function



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

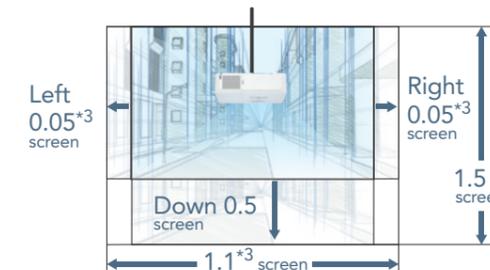
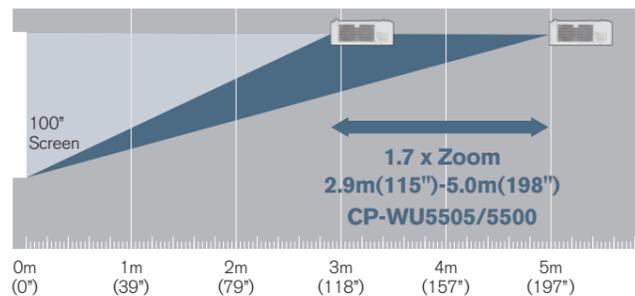
The multiple projectors allow to project one image on a huge curved screen by using the geometry correction and the edge blending functions simultaneously.



### 1.7x Zoom\*2 lens, Lens shift

Featuring a powerful 1.7x 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.

\*2 CP-X5555 / CP-X5550 / CP-WX5505 / CP-WX5500 : 1.6x zoom



\*3 CP-WU5505 / CP-WU5500 : 0.044 screen to left or right (Total 1.088 screen)

### 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 20,000 hours\*4 without cleaning, reducing maintenance time.

\*4 Varies according to usage environment.



### Other functions

[Network] · Projector Control · Wireless capability (option) · Easy Scheduling Setting · Network presentation · Smart device control & monitoring [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					5000 Series																						
			CP-WU13K	CP-WU9100W	CP-WU9410	CP-WU9411	CP-HD9950W	CP-HD9320	CP-HD9321	CP-WX9210	CP-WX9211	CP-X9110	CP-X9111	LP-WU9750B	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	CP-WU5505	CP-WU5500	CP-WX5505	CP-WX5500	CP-X5555	CP-X5550		
Digital Connectivity	3G SDI	Equipped with an SDI input, the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable.	●	●		●	●						●	●																						
	2 HDMI input	Equipped with 2 terminals for the current widely-used interface.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	HDBaseT™	Signals can be transmitted with no image degradation using standard LAN cables (Cat5e or higher) of up to approx. 100m.		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	DVI	Connection via a digital DVI terminal greatly reduces image deterioration, ensuring high picture quality of digital sources. * CP-WU13K displays an image with the original input resolution of the source in the center of the screen.	● (3D DVI)	●	●	●	●	●	●	●	●	●	●	●																						
High Brightness and Image Quality	ACCENTUALIZER	Hitachi's original image enhancement technology that emphasizes shade, sharpness, and gloss to achieve more vivid images.		●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	HDCR (High Dynamic Contrast Range)	HDCR is Hitachi's original technology that produces clear images in bright environments.		●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	IMAGE OPTIMIZER	Equipped with IMAGE OPTIMIZER, Hitachi's original function that maintains visibility of an image through automatic image correction in accordance with lamp condition.  The entire image becomes dark. Dark parts of the image become clear.		●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Color Management	You can adjust HUE, SATURATION, and LUMINANCE of 6 colors: red, green, blue, cyan, magenta, and yellow independently from the user menu.		●		●								●	●	●	●	●	●	●	●	●														
	3-chip display device	This 3-chip system can project 3-primary-color (Red, Green, Blue) images continuously, and makes images natural with vivid colors.	●												●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Dual Color Wheel	Separate color wheels with emphasis on brightness and color that can achieve images to suit the purpose.		●	●	●	●	●	●	●	●	●	●	●																						
	DICOM® Simulation Mode	Picture mode that achieves a gradation close to the DICOM® standard. * These projectors are not approved medical devices. They should not be used for actual medical diagnosis.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Installability and System Features	Edge Blending	Enables the seamless projection of a large image using two or more overlapping projectors. 	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●														
	Geometry Correction (Warping)	Corrects the shape of images to make projections on various types of surfaces possible.		●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●														
	Perfect Fit / Warp	Use the remote controller to adjust the four corners and four sides of a projected image and quickly fix distortions of images. * CP-WU13K supports rotation adjustment. 	● (Warp)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Motorized Lens Shift	Lens shift is motorized and can be adjusted on a keypad or remote control.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Manual Lens Shift	Lens shift can be easily adjusted manually.																																		
	Interchangeable Lens Options	Significantly increase projection distance with optional interchangeable lenses.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Center Lens Design	By aligning the center of the projector and the lens, the installation position of the projector is simplified during the design and construction of a facility.		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Picture position	You can adjust the image position in conformity to the black area of the screen electrically. 		●		●									●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Picture by Picture	Simultaneously project images from 2 different inputs side-by-side. *1 It enables to display images from 2 different digital inputs (HDMI2 and another) side-by-side.	●	●	● *1	●	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1		

# Features

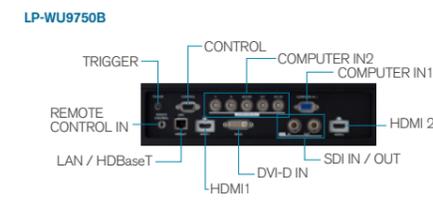
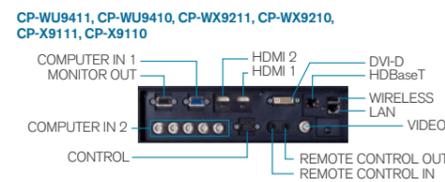
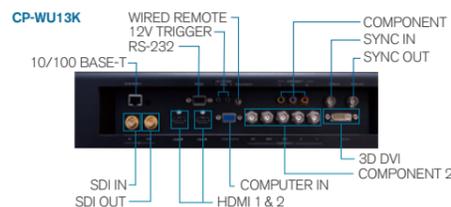
			3-Chip DLP®	1-Chip DLP®										3 LCD																
			K Series	9000 Series					8000 Series					5000 Series																
Features			CP-WU13K	CP-WU9100W CP-WU9100B	CP-WU9411 CP-WU9410	CP-HD9950W CP-HD9950B	CP-HD9321 CP-HD9320	CP-WX9211 CP-WX9210	CP-X9111 CP-X9110	LP-WU9750B	CP-WU8700W CP-WU8700B	CP-WU8600W	CP-WX8750W CP-WX8750B	CP-WX8650W	CP-X8800W CP-X8800B	CP-WU8461	CP-WU8451	CP-WX8265	CP-WX8255A	CP-X8170	CP-X8160	CP-WU5505	CP-WU5500	CP-WX5505	CP-WX5500	CP-X5555	CP-X5550			
Installability and System Features	Picture in Picture	<p>Display an image from a different source in the sub area.</p> <p>*1 It enables display of images from 2 different digital inputs (HDMI2 and another) simultaneously.</p> 	●	●	● <sup>*1</sup>	● <sup>*1</sup>	● <sup>*1</sup>	● <sup>*1</sup>	●	●	● <sup>*1</sup>	● <sup>*1</sup>	● <sup>*1</sup>	● <sup>*1</sup>	● <sup>*1</sup>	● <sup>*1</sup>	● <sup>*1</sup>	● <sup>*1</sup>	● <sup>*1</sup>	● <sup>*1</sup>	●	●	●	●	●	●	●	●		
	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.		●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Schedule Setting	<p>Set schedules for projectors to turn them ON or OFF at a set time, or activate other functions.</p> <p>* Available from the OSD menu on 9000 series models only. Set from a computer via a LAN connection.</p> 		●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Network	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" 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.		●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Industry Standard Compatibility	AMX Device Discovery, Creston Roomview, and Extron XTP are embedded to projectors, providing out of the box compatible industry standard solutions. *2 Extron XTP is not supported.		●	● <sup>*2</sup>	●	● <sup>*2</sup>	● <sup>*2</sup>	● <sup>*2</sup>	● <sup>*2</sup>	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
High Reliability and Stability	Hybrid Filter	<p>Hitachi's multi-layer filters reduce the burden of maintenance by extending the period between filter cleaning.</p> 	●	●	●	●	●	●	●	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 ensure 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.	●	●	●	●	●	●	●																					

# Specifications

	K Series		9000 Series						8000 Series																	
Model name	CP-WU13K	CP-WU9100W CP-WU9100B	CP-WU9411 CP-WU9410	CP-HD9950W CP-HD9950B	CP-HD9321 CP-HD9320	CP-WX9211 CP-WX9210	CP-X9111 CP-X9110	LP-WU9750B	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	0.96" x 3, aspect ratio 16 : 10		0.67" x 1, aspect ratio 16 : 10		0.67" x 1, aspect ratio 16 : 10		0.65" x 1, aspect ratio 16 : 9		0.65" x 1, aspect ratio 16 : 9		0.65" x 1, aspect ratio 16:10		0.7" x 1, aspect ratio 4 : 3		0.67" chip x1, aspect ratio 16 : 10		0.76" x 3, aspect ratio 16 : 10		0.79" x 3, aspect ratio 4 : 3							
Number of pixels	2,304,000 pixels (1,920 x 1,200)		2,304,000 pixels (1,920 x 1,200)		2,073,600 pixels (1,920 x 1,080)		1,024,000 pixels (1,280 x 800)		786,432 pixels (1,024 x 768)		2,304,000 pixels (1,920 x 1,200)		1,024,000 pixels (1,280 x 800)		786,432 pixels (1,024 x 768)											
Projection lens	Optional		Optional						Optional																	
Zoom	Motorized		Motorized (except for the option lens FL-910)						Motorized (except for the option lens FL-920)																	
Focus	Motorized		Motorized						Motorized																	
Lens shift	Motorized (V, H)		Motorized (V, H) (except for the option lens FL-910)						Motorized (V, H) (except for the option lens FL-920)																	
Light source	465W x 2 lamp		430W x 2 lamp		370W x 2 lamp		430W x 2 lamp		365W x 2 lamp		370W x 2 lamp		370W x 2 lamp		Laser diode		430W lamp		370W lamp		430W lamp		370W lamp		430W lamp	
Screen size	80 ~ 500 inch		50 ~ 600 inch (100 ~ 350 inch for the ultra short throw fixed lens FL-910)						50 ~ 600 inch (100 ~ 350 inch for the ultra short throw fixed lens FL-920)					30 ~ 600 inch (100 ~ 350 inch for the ultra short throw fixed lens FL-710)												
Light output (Brightness)	13,000 lm		10,000 lm		8,500 lm		9,500 lm		8,200 lm		8,500 lm		10,000 lm		8,000 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)		2,500 : 1 (Picture mode: DYNAMIC, Active iris: THEATER)						20,000 : 1 ("Dynamic Black" is "On")					10,000 : 1 (Presentation mode)												
Displayable scanning frequency	Horizontal 15 ~ 91 kHz Vertical 48 ~ 85 Hz		15 ~ 106 kHz 50 ~ 120 Hz						15 ~ 91 kHz 48 ~ 85 Hz					31.5 ~ 106 kHz 56 ~ 120 Hz												
Display resolution Computer	WUXGA (max) *Native resolution is WUXGA.		WUXGA*1 (max) *Native resolution is WUXGA.		Full HD (max) *Native resolution is Full HD.		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 Full HD.		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 x 2 (mono)												
Terminals	COMPUTER IN	Mini D-sub 15-pin connector x 1 / 5BNC connector x 1	Mini D-sub 15-pin connector x 1	Mini D-sub 15-pin connector x 1 / 5BNC connector x 1	Mini D-sub 15-pin connector x 1		Mini D-sub 15-pin connector x 1 / 5BNC connector x 1					Mini D-sub 15-pin connector x 1														
MONITOR OUT				Mini D-sub 15-pin connector x 1							Mini D-sub 15-pin connector x 1															
VIDEO				BNC connector x 1							RCA connector x 1															
S-VIDEO																										
COMPONENT VIDEO (Y, Cb/Pb, Cr/Pr)		3BNC x 1 / 3RCA x 1																								
HDMI IN		HDMI connector x 2		HDMI connector x 2		HDMI connector x 2 (HDCP compliant)					HDMI connector x 2															
HDMI OUT																										
DVI-D IN		DVI-D connector x 1		DVI-D connector x 1																						
SDI IN / OUT		BNC connector x 1 / BNC connector x 1	BNC connector x 1 / -	- / -		BNC connector x 1 / -		- / -			BNC connector x 1 / BNC connector x 1		BNC connector x 1 / -	- / -												
HDBaseT				RJ-45 connector x 1		RJ-45 connector x 1 (shared with LAN)					RJ-45 connector x 1															
DisplayPort											DisplayPort x 1															
AUDIO IN											3.5mm (stereo) mini connector x 1 / 2 RCA connector (L, R) x 1															
AUDIO OUT											3.5mm (stereo) mini connector x 1															
MIC IN																										
CONTROL IN (RS-232C)		D-sub 9-pin connector x 1		D-sub 9-pin connector x 1							D-sub 9-pin connector x 1															
LAN		RJ-45 connector x 1		RJ-45 connector x 1		RJ-45 connector x 1 (shared with HDBaseT)					RJ-45 connector x 1															
USB-A				USB type A x 1 (Used for wireless network)							USB type A x 1 (Used for wireless network)															
USB-B																										
REMOTE CONTROL IN				3.5mm (stereo) mini connector x 1							3.5mm (stereo) mini connector x 1															
REMOTE CONTROL OUT				3.5mm (stereo) mini connector x 1							3.5mm (stereo) mini connector x 1															
TRIGGER											3.5mm (stereo) mini connector x 1															
Operating temperature	0 ~ 40°C(32 ~ 104°F) at altitude of 0 ~ 2,590 m 0 ~ 20°C(32 ~ 68°F) at altitude of 2,590 ~ 3,048 m		0 ~ 50°C(32 ~ 122°F) (ECO), 0 ~ 45°C(32 ~ 113°F) (NORMAL) at altitude of 0 ~ 1,600 m / 0 ~ 40°C(32 ~ 104°F) at altitude of 1,600 ~ 3,048 m						0 ~ 40°C(32 ~ 104°F) (ECO), 0 ~ 35°C(32 ~ 95°F) (NORMAL)					0 ~ 45°C (32 ~ 113°F)*2 at altitude of 0 ~ 3,048 m												
Power requirements	AC100 - 130V / AC200 - 240V (50Hz / 60Hz) (SW)		AC110 - 120V / AC220 - 240V (50Hz / 60Hz)		AC110 - 120V / AC220 - 240V (50Hz / 60Hz)		AC110 - 120V / AC220 - 240V (50Hz / 60Hz)		AC110 - 120V / AC220 - 240V (50Hz / 60Hz)		AC100 - 130V / AC200 - 240V (50Hz / 60Hz)		AC100 - 120V / AC220 - 240V (50Hz / 60Hz)													
Power consumption	AC100 - 130V : 1,230W AC200 - 240V : 1,250W		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 - 130V : 950W (Lighting 100% output), 885W (Normal mode) AC200 - 240V : 900W (100% lighting output), 845W (Normal mode)		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	Less than 3W		Less than 0.45W at saving mode*3		Less than 0.45W at saving mode*3		Less than 0.45W at saving mode*3		Less than 0.5W at saving mode*3		Less than 0.35W at saving mode															
Standard outside dimensions (W x H x D)	500mm x 270mm x 633mm (19.7" x 10.6" x 24.9") (Excluding lens and protruding parts)		537mm x 170mm x 438mm (21.1" x 6.7" x 17.2") (Excluding lens and protruding parts)						500mm x 216mm x 576mm (19.7" x 8.5" x 22.7") (Excluding lens)					501mm x 167mm x 437mm (19.7" x 6.6" x 17.2") (Excluding lens)												
Weight	Approx. 34.0kg (74.9lbs.) (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. 28kg (61.7lbs.) (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, Adapter Cover, Application CD, User's Manual (Book, CD)						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, Terminal cover, Application CD, User's Manual (Book, CD)												
Features	Filter cleaning interval *4	1,000 hrs		15,000 hrs						Filter free					20,000 hrs											

\*1 WUXGA (60Hz) Reduced Blanking only. \*2 When the ambient temperature exceeds 40°C (104°F), the brightness of the lamp is reduced automatically. \*3 Can't operate the projector via the LAN and the RS-232C when the projector is in standby mode.

\*4 This interval depends on the environment.

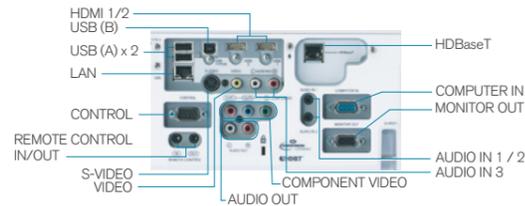


# Specifications

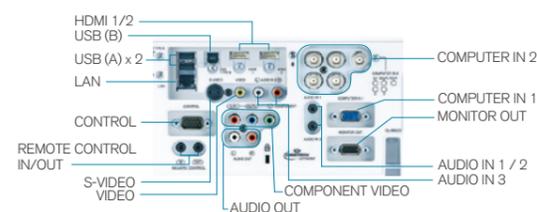
		8000 Series					5000 Series								
Model name		CP-WU8461	CP-WU8451	CP-WX8265	CP-WX8255A	CP-X8170	CP-X8160	CP-WU5505	CP-WU5500	CP-WX5505	CP-WX5500	CP-X5555	CP-X5550		
Display system		3LCD					3LCD								
Display device	Size of effective display area	0.76" x 3, aspect ratio 16 : 10		0.75" x 3, aspect ratio 16 : 10		0.79" x 3, aspect ratio 4 : 3		0.67" x 3, aspect ratio 16 : 10		0.59" x 3, aspect ratio 16 : 10		0.63" x 3, aspect ratio 4 : 3			
	Number of pixels	2,304,000 pixels (1,920 x 1,200)		1,024,000 pixels (1,280 x 800)		786,432 pixels (1,024 x 768)		2,304,000 pixels (1,920 x 1,200)		1,024,000 pixels (1,280 x 800)		786,432 pixels (1,024 x 768)			
Projection lens		2.0x zoom lens (ML-703)					1.6x zoom lens								
Zoom		Motorized (except for the option lens FL-701)					Manual (x1.7)								
Focus		Motorized					Manual								
Lens shift		Motorized (V, H)					Manual (V, H)								
Light source		365W lamp	330W lamp	365W lamp	330W lamp	365W lamp	365W lamp	300W lamp				300W lamp			
Screen size		30 ~ 600 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	5,200 lm				5,800 lm			
Contrast ratio (full white / full black)		5,000 : 1 (Presentation mode)			3,000 : 1 (Presentation mode)			10,000 : 1 (Picture mode: DYNAMIC, Active iris: PRESENTATION)							
Displayable scanning frequency	Horizontal	31.5 ~ 106 kHz					31.5 ~ 106 kHz								
	Vertical	56 ~ 120 Hz					56 ~ 120 Hz								
Display resolution	Computer	WUXGA*1 (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.		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 WXGA.		1080P (max.) *Native resolution is XGA.		1080P (max.) *Native resolution is WUXGA.		1080P (max.) *Native resolution is WXGA.		1080P (max.) *Native resolution is XGA.			
Speaker		8W x 2 (stereo)		-	8W x 2 (stereo)		-	8W x 2 (stereo)		16W x 1 (mono)					
Terminals	COMPUTER IN	Mini D-sub 15-pin connector x 1		Mini D-sub 15-pin connector x 1 / 5BNC connector x 1		Mini D-sub 15-pin connector x 1 / 5BNC connector x 1		Mini D-sub 15-pin connector x 1					Mini D-sub 15-pin connector x 1		
	MONITOR OUT	Mini D-sub 15-pin connector x 1					Mini D-sub 15-pin connector x 1								
	VIDEO	RCA connector x 1					RCA connector x 1								
	S-VIDEO	MINI DIN 4-pin connector x 1					-								
	COMPONENT VIDEO (Y, Cb/Pb, Cr/Pr)	3 RCA connector x 1					-								
	HDMI IN	HDMI connector x 2					HDMI connector x 2 (HDCP compliant) * HDMI IN1 supports MHL input.								
	HDMI OUT	-					HDMI connector x 1 (HDCP compliant)								
	DVI-D IN	-					-								
	SDI IN / OUT	- / -					-								
	HDBaseT	RJ-45 connector x 1		-		-		RJ-45 connector x 1		-		RJ-45 connector x 1		-	
	DisplayPort	-					-								
	AUDIO IN	2 RCA connector x 1 / 3.5mm (stereo) mini connector x 2					3.5mm (stereo) mini connector x 1 / 2 RCA connector (L, R) x 1								
	AUDIO OUT	2 RCA connector x 1					3.5mm (stereo) mini connector x 1								
	MIC IN	-					-								
	CONTROL IN (RS-232C)	D-sub 9-pin connector x 1					D-sub 9-pin connector x 1								
	LAN	RJ-45 connector x 1					RJ-45 connector x 1								
USB-A	USB type A connector x 2					USB type A x 1 (Used for optional wireless network)									
USB-B	USB type B connector x 1					-									
REMOTE CONTROL IN	3.5mm (stereo) mini connector x 1					3.5mm (stereo) mini connector x 1									
REMOTE CONTROL OUT	3.5mm (stereo) mini connector x 1					3.5mm (stereo) mini connector x 1									
TRIGGER	-					-									
Operating temperature		0 ~ 45°C (32 ~ 113°F) at altitude of 0 ~ 3,048 m					0 ~ 40°C (32 ~ 104°F) *2 at altitude of 0 ~ 1,600 m (0 ~ 5,249ft) 0 ~ 35°C (32 ~ 95°F) at altitude of 1,600 ~ 3,048 m (5,249 ~ 10,000ft)								
Power requirements		AC100 - 120V / AC220 - 240V (50Hz / 60Hz)					AC100 - 120V / AC220 - 240V (50Hz / 60Hz)								
Maximum 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 : 440W AC220 - 240V : 420W								
Standby mode power consumption		Less than 0.35W at saving mode*3					Less than 0.5W at saving mode*3								
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)					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. 7.1kg (15.7lbs.)		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, Lens cover, Adapter cover, Terminal cover (for CP-X5555, CP-WX5505, CP-WU5505 only), Application CD, User's manual (Book, CD), Security label, Hook metal, Screw, Cable tie, HDMI cable holder								
Features		Filter cleaning interval *4 20,000 hrs					10,000 hrs								

\*1 WUXGA (60Hz) Reduced Blanking only. \*2 When the ambient temperature exceeds 35°C (95°F), the brightness of the lamp is reduced automatically. \*3 Can't operate the projector via the LAN and the RS-232C when the projector is in standby mode. \*4 This interval depends on the environment.

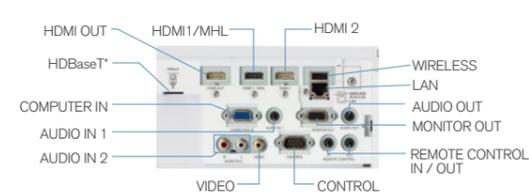
CP-WU8461, CP-WU8451



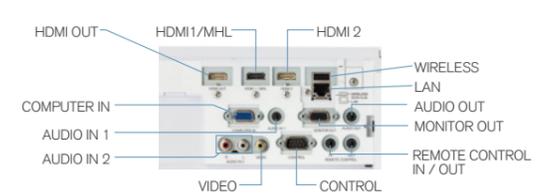
CP-WX8265, CP-WX8255A, CP-X8170, CP-X8160



CP-WU5505, CP-WX5505, CP-X5555

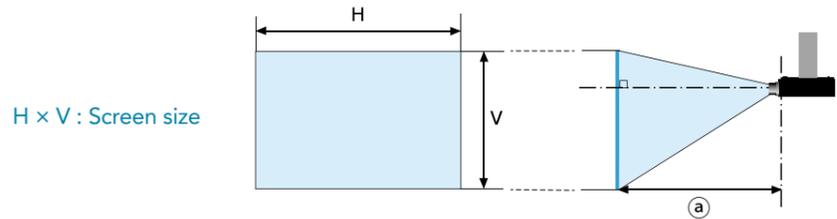


CP-WU5500, CP-WX5500, CP-X5550



# Lens spec

Projection distance



Ⓐ : Projection distance  
(from the projector's front panel to screen) (±10%)  
Throw ratio = Ⓐ[m] / H[m]

## K Series

Model	Item	m												inch														
		Screen size				FL-K01		FL-K02		SL-K03		ML-K04		LL-K05		UL-K06		FL-K01		SL-K03		ML-K04		LL-K05		UL-K06		
		Type	H(m)	H(°)	V(m)	V(°)	fix.	fix.	min.	max.	fix.	fix.	min.	max.	min.	max.	min.	max.	min.	max.								
CP-WU13K Aspect ratio 16:10	Projection distance Ⓐ	80	1.7	68	1.1	42	1.3	-	-	-	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-	-	-	-
		100	2.2	85	1.3	53	1.6	-	-	-	4.1	5.6	-	-	-	-	-	-	62	-	-	-	163	221	-	-	-	-
		150	3.2	127	2.0	79	2.3	3.8	4.6	6.2	6.1	8.4	-	-	13.5	22.6	91	151	182	243	242	329	-	-	532	888	-	-
		200	4.3	170	2.7	106	3.0	5.0	6.1	8.2	8.2	11.1	11.1	18.0	18.0	30.0	119	198	241	323	321	438	437	709	708	1183	-	-
		300	6.5	254	4.0	159	-	7.4	9.1	12.2	12.2	16.6	16.6	27.0	26.9	45.0	-	293	358	481	480	655	654	1062	1061	1773	-	-
		400	8.6	339	5.4	212	-	9.8	12.1	16.3	16.2	22.1	22.1	35.9	35.9	60.0	-	388	476	640	639	872	871	1414	1414	2363	-	-
		500	10.8	424	6.7	265	-	12.3	15.1	20.3	20.2	27.6	27.6	44.9	44.9	75.0	-	483	594	799	797	1089	1088	1767	1767	2954	-	
			Throw ratio				0.67	1.12	1.39	1.87	1.87	2.56	2.56	4.16	4.16	6.96	0.67	1.12	1.39	1.87	1.87	2.56	2.56	4.16	4.16	6.96	-	

## 9000 Series

Model	Item	m												inch																
		Screen size				USL-901		SL-902		SD-903		ML-904		LL-905		UL-906		USL-901		SL-902		SD-903		ML-904		LL-905		UL-906		
		Type	H(m)	H(°)	V(m)	V(°)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.										
CP-WU9100W CP-WU9100B CP-WU9411 CP-WU9410 LP-WU9750B Aspect ratio 16:10	Projection distance Ⓐ	80	1.7	68	1.1	42	1.4	1.7	2.0	3.0	2.8	4.3	4.2	6.4	6.0	9.8	9.6	15.3	54	67	80	119	111	167	164	250	238	385	380	601
		100	2.2	85	1.3	53	1.7	2.1	2.5	3.8	3.5	5.3	5.2	7.9	7.6	12.2	12.0	19.0	67	84	100	149	140	209	205	313	298	482	472	749
		150	3.2	127	2.0	79	2.5	3.2	3.8	5.7	5.3	8.0	7.8	11.9	11.4	18.4	17.9	28.4	100	125	150	223	210	314	308	469	449	724	703	1118
		200	4.3	170	2.7	106	3.4	4.2	5.1	7.6	7.1	10.6	10.4	15.9	15.2	24.6	23.7	37.8	133	166	200	298	280	419	411	626	600	967	935	1487
		300	6.5	254	4.0	159	5.1	6.3	7.6	11.3	10.7	16.0	15.7	23.9	22.9	36.9	35.5	56.5	200	248	300	446	420	629	617	939	902	1452	1397	2225
		400	8.6	339	5.4	212	6.8	8.4	10.2	15.1	14.2	21.3	20.9	31.8	30.6	49.2	47.2	75.2	266	331	400	595	560	838	823	1253	1203	1937	1860	2963
		500	10.8	424	6.7	265	8.4	10.5	12.7	18.9	17.8	26.6	26.1	39.8	38.2	61.5	59.0	94.0	332	413	501	744	700	1048	1029	1566	1505	2422	2322	3701
			Throw ratio				0.8	1.0	1.1	1.7	1.6	2.4	2.4	3.6	3.5	5.6	5.5	8.8	0.8	1.0	1.1	1.7	1.6	2.4	2.4	3.6	3.5	5.6	5.5	8.8

Model	Item	m												inch																
		Screen size				USL-901		SL-902		SD-903		ML-904		LL-905		UL-906		USL-901		SL-902		SD-903		ML-904		LL-905		UL-906		
		Type	H(m)	H(°)	V(m)	V(°)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.										
CP-HD9950W CP-HD9950B CP-HD9321 CP-HD9320 Aspect ratio 16:9	Projection distance Ⓐ	80	1.8	64	1.0	48	1.4	1.8	2.1	3.1	2.9	4.4	4.3	6.5	6.2	10.0	9.9	15.7	55	69	82	122	115	172	169	257	245	395	390	618
		100	2.2	80	1.2	60	1.8	2.2	2.6	3.9	3.6	5.5	5.4	8.2	7.8	12.6	12.3	19.5	69	86	103	153	143	215	211	322	307	495	485	769
		150	3.3	120	1.9	90	2.6	3.3	3.9	5.8	5.5	8.2	8.0	12.3	11.7	18.9	18.4	29.2	103	128	154	230	216	323	317	483	462	745	723	1148
		200	4.4	160	2.5	120	3.5	4.3	5.2	7.8	7.3	10.9	10.7	16.3	15.7	25.2	24.4	38.8	137	171	206	306	288	431	423	644	617	994	961	1528
		300	6.6	240	3.7	180	5.2	6.5	7.8	11.7	11.0	16.4	16.1	24.5	23.5	37.9	36.5	58.1	205	255	309	459	432	646	634	966	927	1493	1436	2286
		400	8.9	320	5.0	240	6.9	8.6	10.5	15.5	14.6	21.9	21.5	32.7	31.4	50.6	48.6	77.3	273	340	412	612	576	862	846	1288	1237	1991	1912	3045
		500	11.1	400	6.2	300	8.7	10.8	13.1	19.4	18.3	27.4	26.9	40.9	39.3	63.2	60.6	96.6	341	425	515	765	720	1077	1058	1610	1548	2490	2387	3803
			Throw ratio				0.8	1.0	1.1	1.7	1.6	2.4	2.4	3.6	3.5	5.6	5.5	8.8	0.8	1.0	1.1	1.7	1.6	2.4	2.4	3.6	3.5	5.6	5.5	8.8

Model	Item	m												inch																
		Screen size				FL-701		SL-702		ML-703		ML-713		LL-704		UL-705		FL-701		SL-702		ML-703		ML-713		LL-704		UL-705		
		Type	H(m)	H(°)	V(m)	V(°)	fix.	min.	max.	fix.	min.	max.	min.	max.																
CP-WX9211 CP-WX9210 Aspect ratio 16:9	Projection distance Ⓐ	80	1.7	68	1.1	42	1.4	1.8	2.1	3.2	3.0	4.5	4.4	6.7	6.4	10.3	10.1	16.0	57	70	84	125	117	176	172	263	250	404	399	631
		100	2.2	85	1.3	53	1.8	2.2	2.7	4.0	3.7	5.6	5.5	8.3	8.0	12.9	12.6	20.0	71	88	105	156	147	220	216	329	314	506	496	786
		150	3.2	127	2.0	79	2.7	3.3	4.0	6.0	5.6	8.4	8.2	12.5	12.0	19.3	18.8	29.8	105	131	158	234	220	330	324	493	472	761	739	1173
		200	4.3	170	2.7	106	3.6	4.4	5.3	7.9	7.5	11.2	11.0	16.7	16.0	25.8	24.9	39.6	140	174	210	313	294	440	432	658	631	1016	982	1561
		300	6.5	254	4.0	159	5.3	6.6	8.0	11.9	11.2	16.8	16.5	25.1	24.1	38.7	37.3	59.3	210	261	315	469	441	660	648	986	948	1525	1468	2336
		400	8.6	339	5.4	212	7.1	8.8	10.7	15.9	15.0	22.4	22.0	33.4	32.1	51.7	49.6	79.0	279	347	421	625	589	881	864	1315	1265	2035	1954	3111
		500	10.8	424	6.7	265	8.9	11.0	13.4	19.8	18.7	28.0	27.4	41.8	40.2	64.6	62.0	98.7	349	434	526	781	736	1101	1080	1644	1582	2545	2440	3886
			Throw ratio				0.8	1.0	1.2	1.8	1.7	2.6	2.5	3.8	3.7	5.8	5.8	9.2	0.8	1.0	1.2	1.8	1.7	2.6	2.5	3.8	3.7	5.9	5.8	9.2

Model	Item	m												inch																
		Screen size				USL-901		SL-902		SD-903		ML-904		LL-905		UL-906		USL-901		SL-902		SD-903		ML-904		LL-905		UL-906		
		Type	H(m)	H(°)	V(m)	V(°)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.										
CP-X9111 CP-X9110 Aspect ratio 4:3	Projection distance Ⓐ	80	1.6	64	1.2	48	1.3	1.7	2.0	3.0	2.8	4.2	4.1	6.2	5.9	9.5	9.4	14.9	53	66	78	116	109	164	160	245	232	376	371	588
		100	2.0	80	1.5	60	1.7	2.1	2.5	3.7	3.5	5.2	5.1	7.8	7.4	12.0	11.7	18.6	66	82	98	146	136	205	200	306	291	471	462	732
		150	3.0	120	2.3	90	2.5	3.1	3.7	5.5	5.2	7.8	7.6	11.1	11.1	18.0	17.5	27.8	98	122	147	218	205	307	301	459	439	708	688	1093
		200	4.1	160	3.0	120	3.3	4.1	5.0	7.4	6.9	10.4	10.2	15.5	14.9	24.0	23.2	36.9	131	163	196	291	273	410	401	612	586	945	914	1454
		300	6.1	240	4.6	180	5.0	6.2	7.5	11.1	10.4	15.6	15.3	23.3	22.4	36.1	34.7	55.2	195	243	293	436	410	615	603	918	881	1419	1366	2175
		400	8.1	320	6.1	240	6.6	8.2	9.9	14.8	13.9	20.8	20.4	31.1	29.9	48.1	46.2	73.6	260	324	391	582	547	820	804	1225	1176	1894	1818	2896
		500	10.2	400	7.6	300	8.2	10.3	12.4	18.5	17.4	26.0	25.5	38.9	37.4	60.1	57.7	91.9	325	405	489	727	684	1025	1006	1531	1471	2368	2270	3618
			Throw ratio				0.8	1.0	1.2	1.8	1.7	2.5	2.5	3.8																

# 5000series

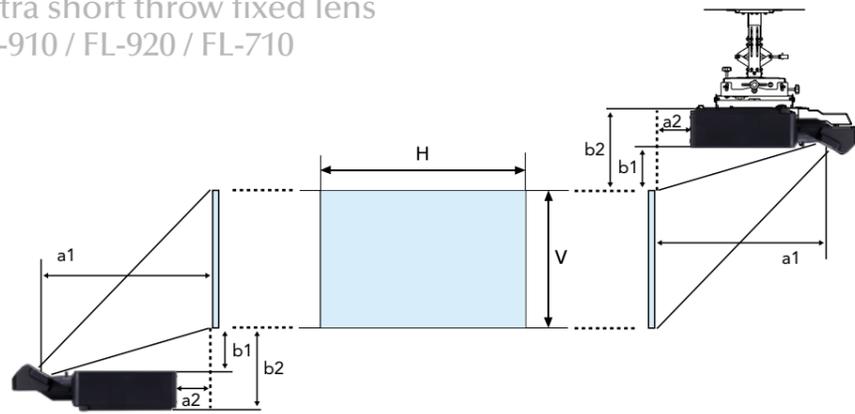
Model	Screen size					m		inch	
	Type	H(m)	H(°)	V(m)	V(°)	min.	max.	min.	max.
	CP-WU5505 CP-WU5500	60	1.3	51	0.8	32	1.7	3.0	68
Aspect ratio 16 : 10	80	1.7	68	1.1	42	2.3	4.0	91	158
	100	2.2	85	1.3	53	2.9	5.0	115	198
	120	2.6	102	1.6	64	3.5	6.0	138	238
	150	3.2	127	2.0	79	4.4	7.6	173	298
	200	4.3	170	2.7	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									

Model	Screen size					m		inch	
	Type	H(m)	H(°)	V(m)	V(°)	min.	max.	min.	max.
	CP-WX5505 CP-WX5500	60	1.3	51	0.8	32	1.7	2.9	69
Aspect ratio 16 : 10	80	1.7	68	1.1	42	2.4	3.9	93	152
	100	2.2	85	1.3	53	3.0	4.8	117	191
	120	2.6	102	1.6	64	3.6	5.8	141	230
	150	3.2	127	2.0	79	4.5	7.3	177	288
	200	4.3	170	2.7	106	6.0	9.8	237	385
	250	5.4	212	3.4	132	7.6	12.3	298	483
300	6.5	254	4.0	159	9.1	14.7	358	580	
Throw ratio									

Model	Screen size					m		inch	
	Type	H(m)	H(°)	V(m)	V(°)	min.	max.	min.	max.
	CP-X5555 CP-X5550	60	1.2	48	0.9	36	1.7	2.7	65
Aspect ratio 4 : 3	80	1.6	64	1.2	48	2.2	3.6	88	144
	100	2.0	80	1.5	60	2.8	4.6	111	180
	120	2.4	96	1.8	72	3.4	5.5	133	217
	150	3.0	120	2.3	90	4.3	6.9	168	272
	200	4.1	160	3.0	120	5.7	9.2	224	364
	250	5.1	200	3.8	150	7.1	11.6	281	456
300	6.1	240	4.6	180	8.6	13.9	338	548	
Throw ratio									

## 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)

## 9000 Series

Model	Item					m				inch			
	Screen size					FL-910				FL-910			
	Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1	b2
CP-WU9100W CP-WU9100B CP-WU9411 CP-WU9410	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-920				FL-920			
	Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1	b2
CP-HD9950W CP-HD9950B CP-HD9321 CP-HD9320	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			
	Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1	b2
CP-WX9211 CP-WX9210	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-920				FL-920			
	Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1	b2
CP-X9111 CP-X9110	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	

Model	Item					m				inch			
	Screen size					FL-920				FL-920			
	Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1	b2
LP-WU9750B	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	0.130	0.464	0.680	38	5	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	

## 8000 Series

Model	Item					m				inch			
	Screen size					FL-710				FL-710			
	Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1	b2
CP-WU8700W CP-WU8700B CP-WU8600W	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			
	Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1	b2
CP-WX8750W CP-WX8750B CP-WX8650W	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			
	Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1	b2
CP-X8800W CP-X8800B	100	2.0	80	1.5	60	0.797	0.086	0.326	0.515	31	3	13	20
	120	2.4	96	1.8	72	0.939	0.228	0.400	0.589	37	9	16	23
	150	3.0	120	2.3	90	1.152	0.440	0.510	0.699	45	17	20	28
	200	4.1	160	3.0	120	1.506	0.795	0.695	0.884	59	31	27	35
	250	5.1	200	3.8	150	1.860	1.149	0.879	1.068	73	45	35	42
	300	6.1	240	4.6	180	2.215	1.504	1.0					

# Option

	K Series	9000 Series				8000 Series				5000 Series
	CP-WU13K	CP-WU9100W CP-WU9100B CP-HD9950W CP-HD9950B	CP-HD9321 CP-HD9320	CP-WU9411 CP-WU9410 CP-WX9211 CP-WX9210 CP-X9111 CP-X9110	LP-WU9750B	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	CP-WU5505 CP-WU5500 CP-WX5505 CP-WX5500 CP-X5555 CP-X5550
Lamp	DT01591	DT01911	DT01731	DT01581	-	DT01871	DT01881	DT01471	DT01291	DT01931
Filter set	MU08321 (for front), MU08331 (for rear)	UX39551				UX40821		UX38242	UX38241	UX41161
Lens unit (K/9000 series of projectors are supplied without a projection lens.)	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)	FL-910 (Ultra short throw fixed lens for CP-WU9100W / CP-WU9100B / CP-WU9411 / CP-WU9410 / CP-HD9950W / CP-HD9950B / CP-HD9321 / CP-HD9320 / CP-WX9211 / CP-WX9210 / CP-X9111 / CP-X9110) FL-920 (Ultra short throw fixed lens for LP-WU9750B) SL-901 (Ultra short throw lens) SD-903 (Standard lens) ML-904 (Middle throw lens) LL-905 (Long throw lens) UL-906 (Ultra long throw lens)				FL-710 (Ultra short throw fixed lens) FL-701 (Fixed short throw lens) SL-702 (Short throw lens) ML-713 (Middle throw lens) LL-704 (Long throw lens) UL-705 (Ultra long throw lens)		FL-701 (Fixed short throw lens) SL-702 (Short throw lens) ML-712 (Short throw lens) ML-713 (Middle throw lens) ML-713 (Middle throw lens) LL-704 (Long throw lens) LL-704 (Long throw lens) UL-705 (Ultra long throw lens)		-
Mounting accessory	HAS-13K (Bracket for ceiling mount)	HAS-9110 (Bracket for fixing mount)		HAS-L9750 (Bracket for fixing mount)	HAS-9110 (Bracket for fixing mount)	HAS-8150 (Bracket for fixing mount)		HAS-9110 (Bracket for ceiling mount)		
		HAS-204L (Standard adapter for fixing mount)			HAS-204L (Standard adapter for fixing mount)		HAS-104S (Bracket for low ceiling mount)			
	FS-13K (Frame for stacking)	HAS-304H (Long adapter for fixing mount)			HAS-304H (Long adapter for fixing mount)		HAS-204L (Standard adapter for fixing mount)			
		HAS-404U (Ceiling mount with 6-axis adjustment)			HAS-404U (Ceiling mount with 6-axis adjustment)	-		HAS-304H (Long adapter for fixing mount)		
USB wireless adapter	-	USB-WL-11N*1		-	USB-WL-11N*1		USB-WL-11N*1			
Others	-	-		-	-		RC-R104 (Wired remote terminal)			

\*1 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-WU9750B 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 alarm 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.
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- Crestron® and Crestron RoomView® are registered trademarks of Crestron Electronics, Inc. in the United States and other countries.
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# Case Studies

Hitachi projectors are utilized in various ways.



• LP-WU9750B 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)

