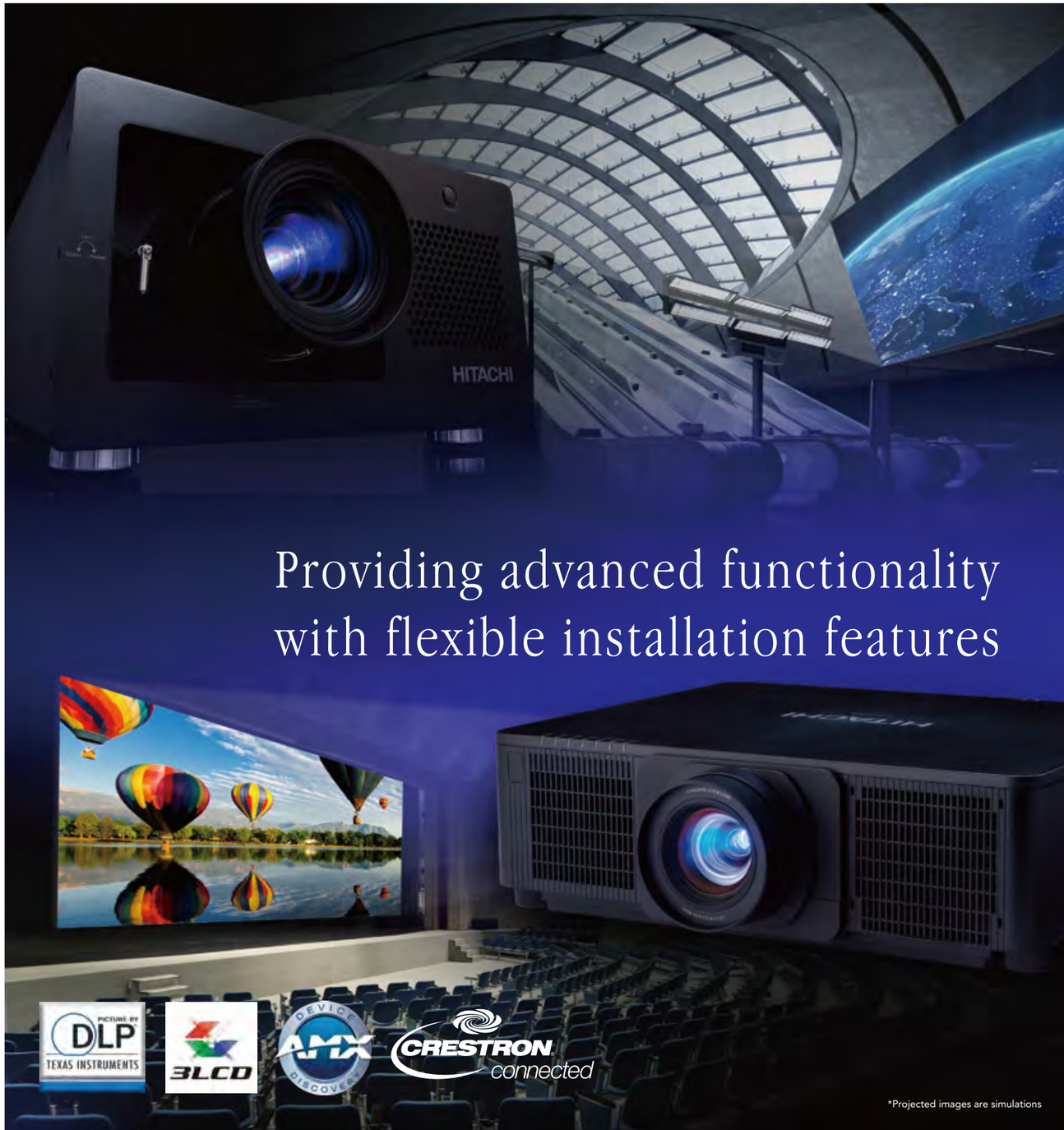
HITACHI
Inspire the Next

Projectors Installation series



*Projected images are simulations

HITACHI

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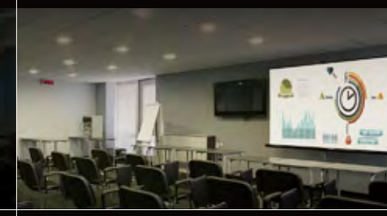
NM-E401 122014

K series

9000 series

8000 series

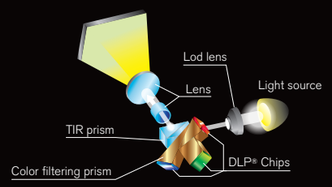
5000 series
4000 series



Model Name	CP-WU13K	CP-X9110 CP-X9111	CP-WX9210 CP-WX9211	CP-WU9410 CP-WU9411	NEW CP-HD9320 CP-HD9321	CP-X8170	CP-WX8265	CP-WU8460	NEW CP-WU8461	CP-X8160	CP-WX8255A	CP-WU8450	NEW CP-WU8451	CP-SX8350	CP-X8150	CP-WX8240A	CP-WU8440	CP-X5022WN	CP-X4022WN	CP-WX4022WN
Display System	3-Chip DLP®	1-Chip DLP®				3 LCD												3 LCD		
Light Output (Brightness)	13,000lm	10,000lm	8,500lm	8,500lm	8,200lm	7,000lm	6,500lm	6,000lm	6,000lm	6,000lm	5,500lm	5,000lm	5,000lm	5,000lm	5,000lm	4,000lm	4,200lm	5,000lm	4,000lm	4,000lm
Resolution	WUXGA	XGA	WXGA	WUXGA	Full HD	XGA	WXGA	WUXGA	WUXGA	XGA	WXGA	WUXGA	WUXGA	SXGA+	XGA	WXGA	WUXGA	XGA	XGA	WXGA
	1,920 x 1,200	1,024 x 768	1,280 x 800	1,920 x 1,200	1,920 x 1,080	1,024 x 768	1,280 x 800	1,920 x 1,200	1,920 x 1,200	1,024 x 768	1,280 x 800	1,920 x 1,200	1,920 x 1,200	1,400 x 1,050	1,024 x 768	1,280 x 800	1,920 x 1,200	1,024 x 768	1,024 x 768	1,280 x 800
Light Source	465W x 2	370W x 2		365W x 2		365W				330W				245W				245W		
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)				498mm x 135mm x 396mm (19.6" x 5.3" x 15.6") (Excluding protruding parts)												401mm x 103mm x 318mm (15.8" x 4.1" x 12.5") (Excluding protruding parts)		
Weight	Approx. 34.0kg (75.0lbs.) (Excluding lens)	Approx. 16.6kg (36.6lbs.) (Excluding lens)				Approx. 8.8kg (19.4lbs.)	Approx. 9.2kg (20.3lbs.)	Approx. 8.8kg (19.4lbs.)	Approx. 8.7kg (19.2lbs.)	Approx. 8.8kg (19.4lbs.)	Approx. 9.2kg (20.3lbs.)	Approx. 8.7kg (19.2lbs.)	Approx. 8.4kg (18.5lbs.)	Approx. 8.4kg (18.5lbs.)	Approx. 8.7kg (19.2lbs.)			Approx. 4.6kg (10.1lbs.)		
Main Features	3G / HD / SD-SDI 2 HDMI input Dual Lamp Lamp Power Mode Edge Blending Motorized Zoom , Focus, and Lens Shift	2 HDMI input ACCENTUALIZER HDCR Built-in Dual Color Wheel HDBaseT Dual Lamp Edge Blending Geometric Correction (Warping) Status Monitor Display Motorized Zoom , Focus, and Lens Shift SDI input , Portrait projection (CP-HD9320 , CP-HD9321)				2 HDMI input ACCENTUALIZER HDCR (CP-WU8461) P by P / P in P High Efficiency Optical System Slim Design 360° Projection Status Monitor Display Motorized Zoom , Focus, and Lens Shift HDBaseT (CP-WU8461)				2 HDMI input ACCENTUALIZER (CP-WU8451) HDCR (CP-WU8451) P by P (except for CP-X8160) / P in P (CP-WU8451) High Efficiency Optical System Slim Design 360° Projection Status Monitor Display Motorized Zoom , Focus, and Lens Shift 2.0x Zoom Standard Lens HDBaseT (CP-WU8451)				2 HDMI input P by P (CP-WX8240A, CP-WU8440) High Efficiency Optical System Slim Design Motorized Zoom , Focus, and Lens Shift				1.7x Zoom Lens Intelligent ECO Instant Stack Manual V + H Lens Shift		

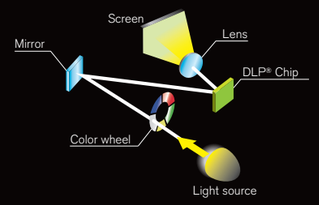
3-Chip DLP®

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.



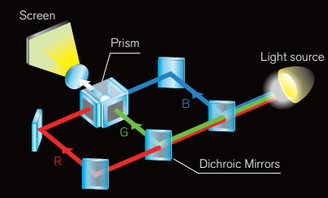
1-Chip DLP®

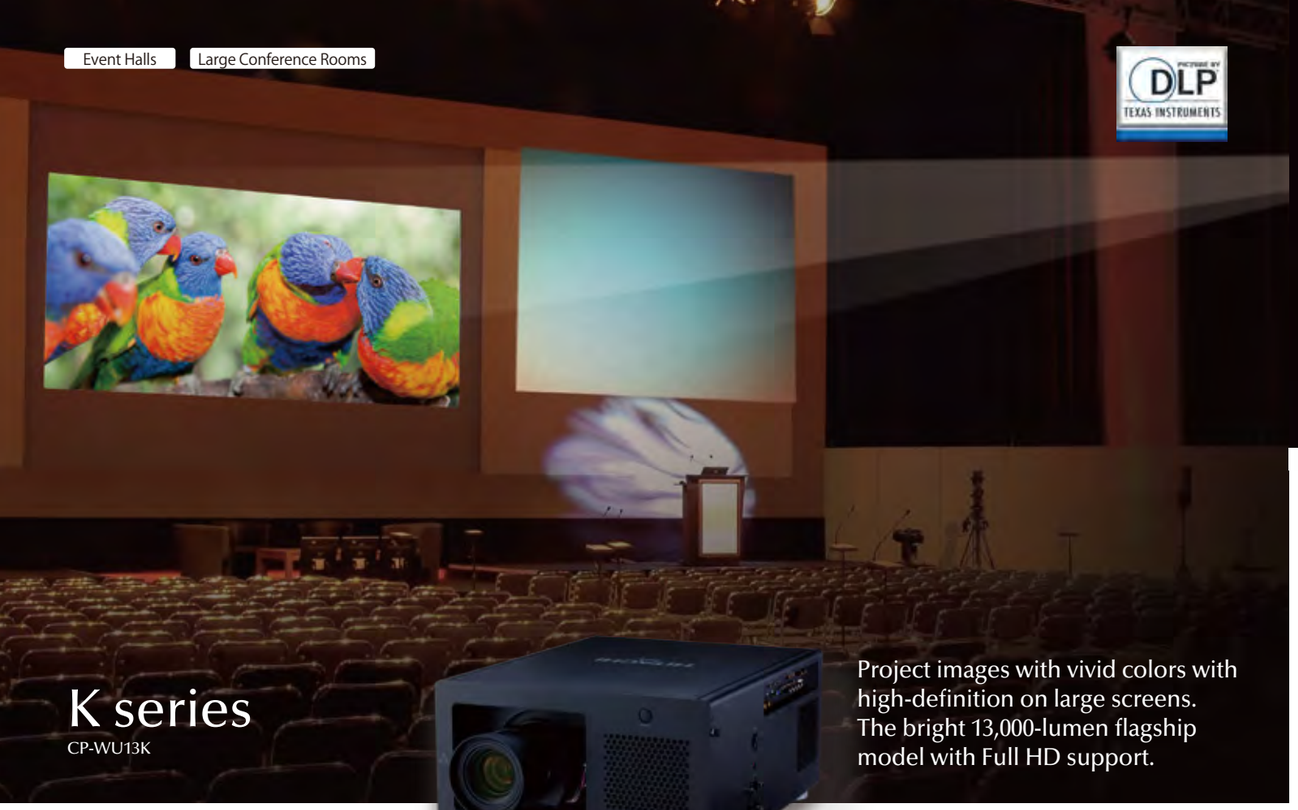
Projection method that uses a single DLP® chip to switch the red, green, and blue signals according to the color wheel. This method provides excellent color uniformity of images, durability, and is ideal for multiple projections and 24-hour use.



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.





K series

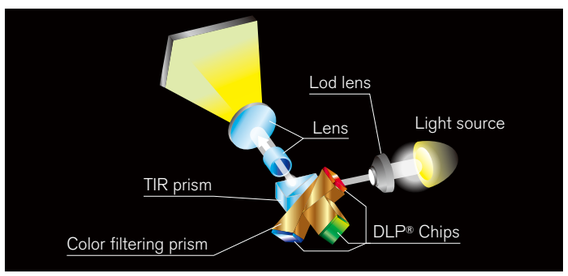
CP-WU13K

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

High Brightness and Image Quality That Deliver Bright Vivid Colors

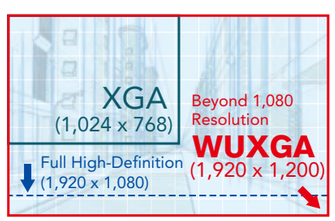
3-Chip DLP®

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.



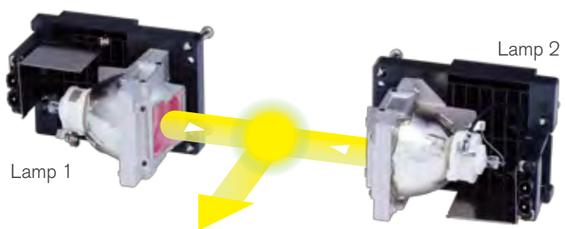
WUXGA

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



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.



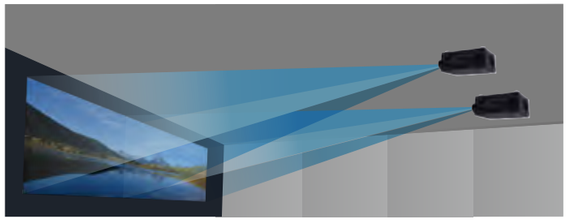
Brightness

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

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

Advanced Installability and System Features for Various Uses

Edge Blending



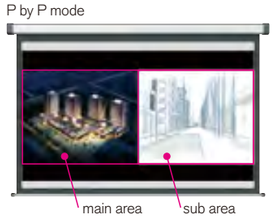
The projectors are equipped with the Edge Blending function that achieves further seamless projection of one image using multiple projectors.

P by P / P in P Functions

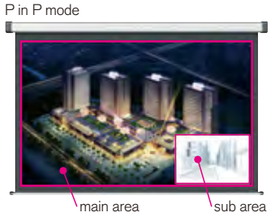
Images from two input signals can be projected on one screen at the same time. Picture by Picture (P by P) enables you to compare two images side by side. Picture in Picture (P in P) enables you to display one image within another image. These functions are handy when you need to compare two sets of data or other material.

* Depending on the input signal, some combinations of simultaneous displays may not be available.

P by P mode

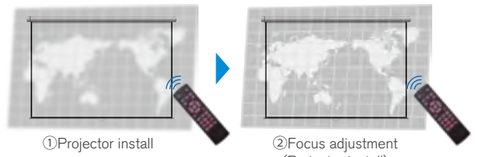


P in P mode



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.



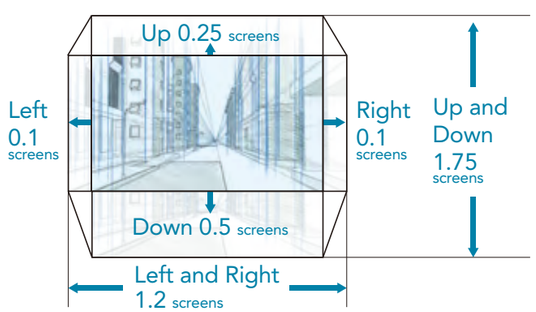
①Projector install　②Focus adjustment (Projector install)

(Corner)　(Barrel / Pincushion)　(Rotation)

③Size and Position adjustments (Warp)

Motorized Lens Shift

The motorized lens shift lets you choose more convenient installation location, even for large spaces. The figure shows the lens shift range at the ceiling mounting position. * Not available with FL-K01 lens.



Digital connectivity

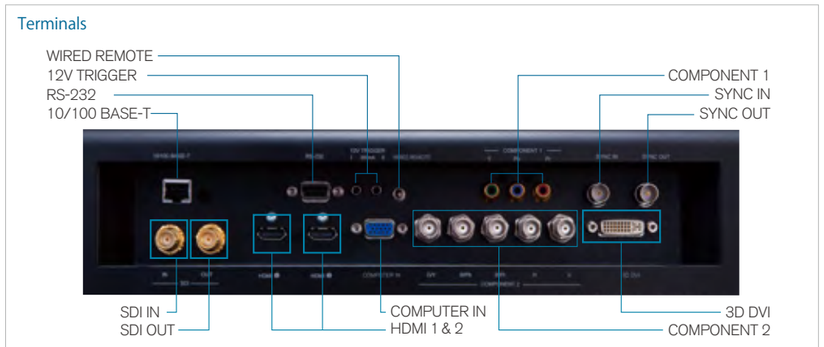
4 Digital Inputs

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 its long life and easy maintenance, this model is ideal 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

The DICOM®(Digital Imaging and Communications in Medicine) Simulation Mode projects grayscale images which approximate DICOM® Part 14 specifications. This mode is ideal 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

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

Variety of Interchangeable Lens Options

Lenses are all optional

Six lenses are available to match various screen sizes and installation environments. Projection is possible in diverse installation areas from small conference rooms to auditoriums, convention halls, and other large spaces.

	Projection distance for 200" screen (16:10) (Projector's front panel to screen)	Throw ratio	Projection distances for optional lenses when projecting onto a 200"screen (16:10)
FL-K01 Short throw lens Fixed zoom	3.0m	0.67	200"
FL-K02 Short throw lens Fixed zoom	5.0m	1.12	200"
SL-K03 Short throw zoom lens Zoom: x1.3	6.1 - 8.2m	1.39 - 1.87	200"
ML-K04 Standard zoom lens Zoom: x1.3	8.2 - 11.1m	1.87 - 2.56	200"
LL-K05 Long throw zoom lens Zoom: x1.6	11.1 - 18.0m	2.56 - 4.16	200"
UL-K06 Ultra long throw zoom lens Zoom: x1.6	18.0 - 30.0m	4.16 - 6.96	200"

9000 series

CP-X9110 / CP-WX9210 / CP-WU9410 / CP-HD9320
CP-X9111 / CP-WX9211 / CP-WU9411 / CP-HD9321

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

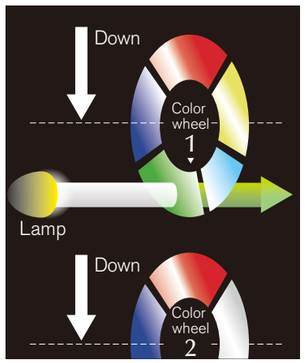
High Brightness and Image Quality That Deliver Bright Vivid Colors

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.

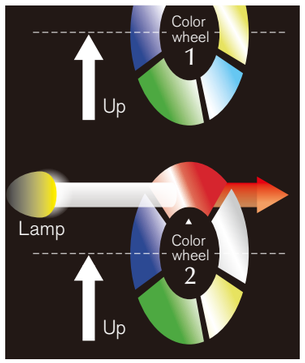
Rich Color mode

Reproduces color in levels equivalent to digital cinema. Ideal for use in museums and for viewing videos that emphasize color.



Bright mode

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



ACCENTUALIZER

Hitachi original technology makes pictures look more real by enhancing shade, sharpness, and 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.

ACCENTUALIZER OFF

Original image

ACCENTUALIZER ON

Increased shade, sharpness, and gloss

CP-X9110
XGA 10,000lm

CP-WX9210
WXGA 8,500lm

CP-WU9410
WUXGA 8,500lm

CP-HD9320 NEW
Full HD 8,200lm

CP-X9111*
XGA 10,000lm

CP-WX9211*
WXGA 8,500lm

CP-WU9411*
WUXGA 8,500lm

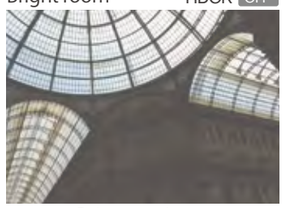
CP-HD9321* NEW
Full HD 8,200lm

* Local availability may be limited.

HDCR (High Dynamic Contrast Range)

Dark room — HDCR OFF

Bright room — HDCR OFF



Dark areas are obscure.

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

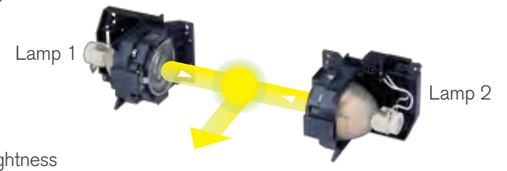
Bright room — HDCR ON

Dark areas are clear. (Distinct)

Dual Lamp

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

* CP-X9110/CP-X9111 ** Does not include lens.



Brightness

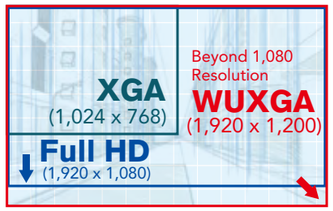
Lamp mode		CP-X9110 CP-X9111	CP-WX9210, CP-WU9410 CP-WX9211, CP-WU9411	CP-HD9320 CP-HD9321
Dual	Normal	10,000lm	8,500lm	8,200lm
	Eco	7,500lm	6,400lm	6,200lm
Single	Normal	5,000lm	4,250lm	4,100lm
	Eco	3,800lm	3,200lm	3,100lm

Digital connectivity

Full HD and WUXGA

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

* CP-HD9320 and CP-HD9321
** CP-WU9410 and CP-WU9411



DICOM® Simulation Mode

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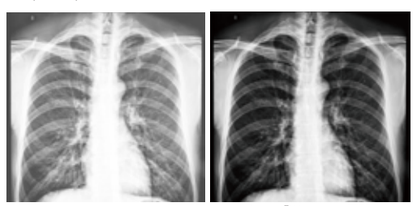
The projectors have a DICOM® Simulation Mode. This mode simulates the DICOM® standard, which is a standard applicable to digital communications in medicine, and is useful for displaying medical images such as X-rays. These projectors are not medical devices and are not compliant with the DICOM® standard,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



Normal Mode

DICOM® Simulation Mode

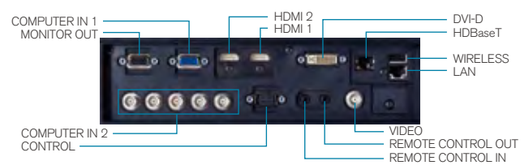
Multiple Digital Inputs

The projectors provide digital inputs consisting of HDBaseT™, HDMI (x2), DVI-D, and SDI* to handle many types of installation environments. HDBaseT can transmit signals with no image degradation using standard LAN cables (Cat5e/6) of up to 100m. SDI* is the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable.

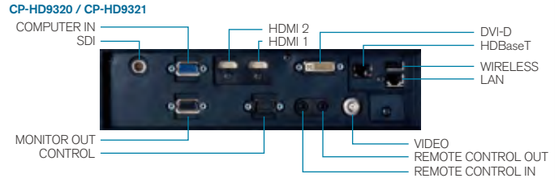
* Only for the CP-HD9320 and CP-HD9321

Terminals

CP-X9110 / CP-X9111 / CP-WX9210 / CP-WX9211 / CP-WU9410 / CP-WU9411

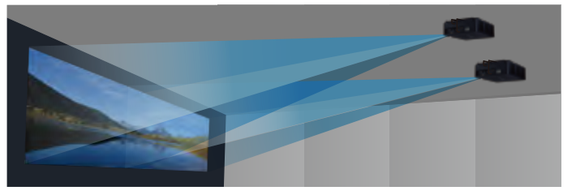


CP-HD9320 / CP-HD9321



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. The 9000 series comes with various blending functions that meet the level users are looking for.

Automatic Blending

Use a camera and quickly perform high precision blending processing automatically.

* Requires installation of a specialized application to your computer.

Instant Blending

Perform blending processing without the use of any special equipment.

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.

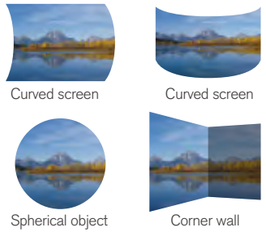
Portrait Projection*

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 never before possible.

* Only for the CP-HD9320 and CP-HD9321

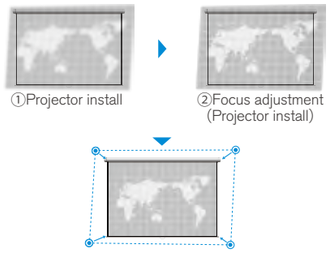
Geometric Correction (Warping)

Geometric 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.



Perfect Fit

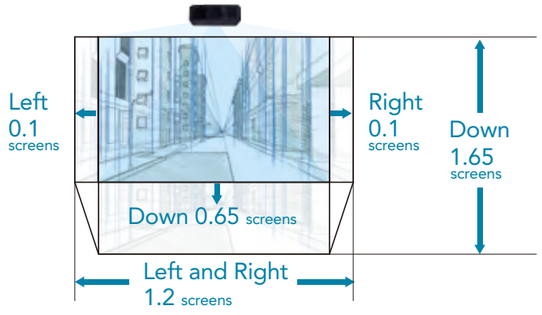
Equipped with powered focus and Perfect fit with which the position of the four corners and four sides of a projected image can be adjusted. With the remote controller at hand, you can adjust focus and the position of an image.



Motorized Lens Shift

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

* The figure below shows the lens shift range for CP-WX9210/CP-WX9211 with the standard lens SD-903W at the ceiling mounting position.



Short Zoom Lens

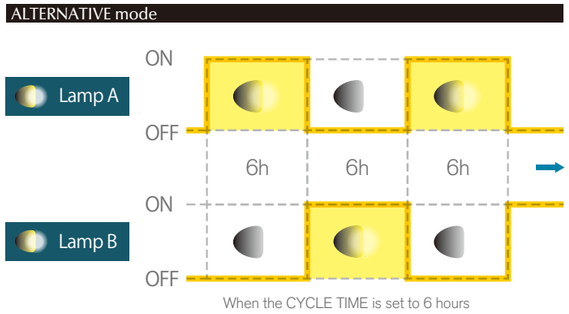
An optional short zoom lens developed by Hitachi offers powered zoom, powered focus, and adequate lens shift. This lens increases installability of the projectors like never before.

USL-901

Ensuring High Reliability and Stability

All-day Use

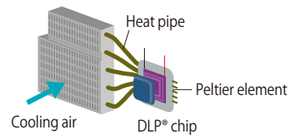
Equipped with the highly reliable Dual Lamp System. If one lamp stops functioning while using in the DUAL mode, the other lamp continues to project the image with no interruption in the projection. Also, long hours of continuous operation is available with the ALTERNATIVE mode which alternates the use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



When the CYCLE TIME is set to 6 hours

Cooling System

Peltier elements are positioned on the rear surface of the DLP® chip and provide efficient cooling in environments with an ambient temperature of up to 50 degrees Celsius.



Hybrid Filter

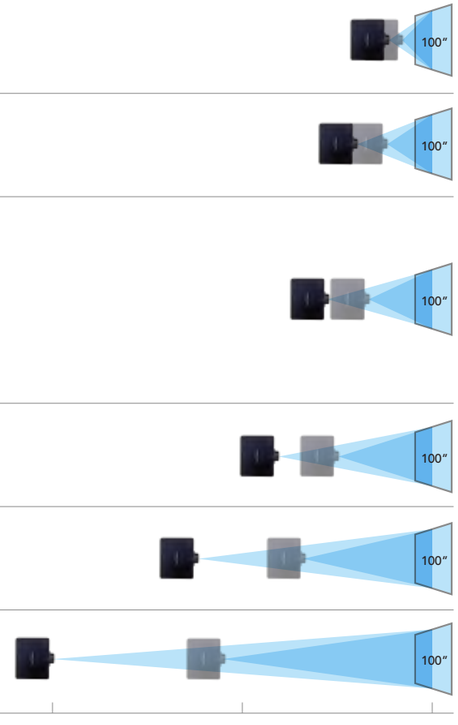
The finely crafted form of these projectors incorporates a three-layer filter, providing defense against dust with unwoven cloth layers and an HAF (High Air Flow) filter. Thanks to its long life and easy maintenance, these models are ideal for use in retail, digital signage, and other environments where the projector is in constant use.

Variety of Interchangeable Lens Options

Lenses are all optional

Seven lenses are available to match various screen sizes and installation environments. Projection is possible in diverse installation areas from small conference rooms to auditoriums, convention halls, and other large spaces.

		Projection distance for 100″ screen (Full screen) (Projector's front panel to screen)	Throw ratio	Projection distances for optional lenses when projecting onto a 100″screen (Full screen)
USL-901 Ultra short throw lens Zoom: x1.3	CP-X9110,CP-X9111	1.7 - 2.1m (66″- 82″)	0.8 - 1.0	
	CP-WX9210,CP-WX9211	1.8 - 2.2m (71″- 88″)	0.8 - 1.0	
	CP-WU9410,CP-WU9411	1.7 - 2.1m (67″- 84″)	0.8 - 1.0	
	CP-HD9320,CP-HD9321	1.8 - 2.2m (69″- 86″)	0.8 - 1.0	
SL-902 Short throw lens Zoom: x1.5	CP-X9110,CP-X9111	2.5 - 3.7m (98″- 146″)	1.2 - 1.8	
	CP-WX9210,CP-WX9211	2.7 - 4.0m (105″- 156″)	1.2 - 1.8	
	CP-WU9410,CP-WU9411	2.5 - 3.8m (100″- 149″)	1.1 - 1.7	
	CP-HD9320,CP-HD9321	2.6 - 3.9m (103″- 153″)	1.1 - 1.7	
SD-903W Standard lens Zoom: x1.5	CP-WX9210,CP-WX9211	3.7 - 5.6m (147″- 220″)	1.7 - 2.6	
	CP-WU9410,CP-WU9411	3.5 - 5.3m (140″- 209″)	1.6 - 2.4	
	CP-HD9320,CP-HD9321	3.6 - 5.5m (143″- 215″)	1.6 - 2.4	
SD-903X Standard lens Zoom: x1.5	CP-X9110,CP-X9111	3.5 - 5.2m (136″- 205″)	1.7 - 2.5	
ML-904 Middle throw lens Zoom: x1.5	CP-X9110,CP-X9111	5.1 - 7.8m (200″- 306″)	2.5 - 3.8	
	CP-WX9210,CP-WX9211	5.5 - 8.3m (216″- 329″)	2.5 - 3.8	
	CP-WU9410,CP-WU9411	5.2 - 7.9m (205″- 313″)	2.4 - 3.6	
	CP-HD9320,CP-HD9321	5.4 - 8.2m (211″- 322″)	2.4 - 3.6	
LL-905 Long throw lens Zoom: x1.6	CP-X9110,CP-X9111	7.4 - 12.0m (291″- 471″)	3.6 - 5.8	
	CP-WX9210,CP-WX9211	8.0 - 12.9m (314″- 506″)	3.7 - 5.9	
	CP-WU9410,CP-WU9411	7.6 - 12.2m (298″- 482″)	3.5 - 5.6	
	CP-HD9320,CP-HD9321	7.8 - 12.6m (307″- 495″)	3.5 - 5.6	
UL-906 Ultra long throw lens Zoom: x1.6	CP-X9110,CP-X9111	11.7 - 18.6m (462″- 732″)	5.7 - 9.1	
	CP-WX9210,CP-WX9211	12.6 - 20.0m (496″- 786″)	5.8 - 9.2	
	CP-WU9410,CP-WU9411	12.0 - 19.0m (472″- 749″)	5.5 - 8.8	
	CP-HD9320,CP-HD9321	12.3 - 19.5m (485″- 769″)	5.5 - 8.8	



8000 series

CP-X8170 / CP-WX8265 / CP-WU8460 / CP-WU8461
CP-X8160 / CP-WX8255A / CP-WU8450 / CP-WU8451
CP-SX8350 / CP-X8150 / CP-WX8240A / CP-WU8440

Providing advanced functions
and flexible installation features

CP-X8170
XGA 7,000lm

CP-WX8265
WXGA 6,500lm

CP-WU8460
WUXGA 6,000lm

CP-WU8461 NEW
WUXGA 6,000lm

CP-X8160
XGA 6,000lm

CP-WX8255A
WXGA 5,500lm

CP-WU8450
WUXGA 5,000lm

CP-WU8451 NEW
WUXGA 5,000lm

CP-SX8350
SXGA+ 5,000lm

CP-X8150
XGA 5,000lm

CP-WX8240A
WXGA 4,000lm

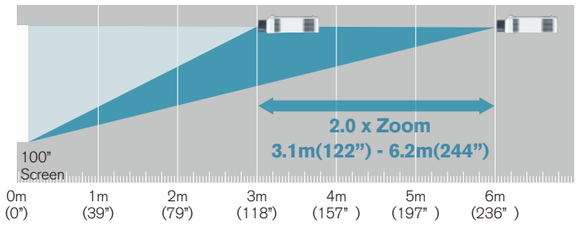
CP-WU8440
WUXGA 4,200lm

Awarded models: CP-WU8461, CP-X8160, CP-WX8255A, CP-WU8450, CP-WU8451, CP-SX8350, CP-X8150, CP-WX8240A, CP-WU8440
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.

Advanced Installability and System Features for Various Uses

2.0x Zoom Lens

Featuring a powerful 2.0x manual 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.



* CP-SX8350,CP-X8150,CP-WX8240A:1.5x
* 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.

* Not available with the CP-SX8350, CP-X8150, CP-WX8240A, and CP-WU8440.

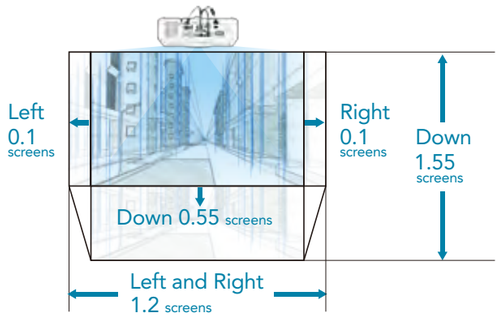
Lens Center Design

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

Motorized Lens Shift

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

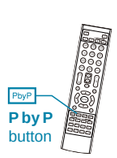
*The figure below shows the lens shift range for CP-WU8460/CP-WU8461 with the standard lens ML-703 at the ceiling mounting position.



P by P / P in P Functions

Images from two input signals can be projected on one screen at the same time. Picture by Picture (P by P) enables you to compare two images side by side. Picture in Picture (P in P) enables you to display one image within another image. These functions are handy when you need to compare two sets of data or other material.

* These functions are not available with CP-X8160, CP-X8150, and CP-SX8350. The P in P function is available with CP-X8170, CP-WX8265, CP-WU8460, CP-WU8461, and CP-WU8451.



P by P mode

P in P mode

High Brightness and Image Quality that Express Images Brilliantly

ACCENTUALIZER

Hitachi original technology makes pictures look more real by enhancing shade, sharpness, and 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.

* Only for the CP-X8170, CP-WX8265, CP-WU8460, CP-WU8461, and CP-WU8451

ACCENTUALIZER OFF

Original image

ACCENTUALIZER ON

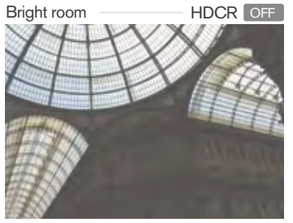
Increased shade, sharpness, and gloss

HDCR (High Dynamic Contrast Range)

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

* Only for the CP-WU8461, and CP-WU8451

Bright room HDCR OFF



Dark areas are obscure.

Bright room HDCR ON

Dark areas are clear. (Distinct)

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 ideal 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.

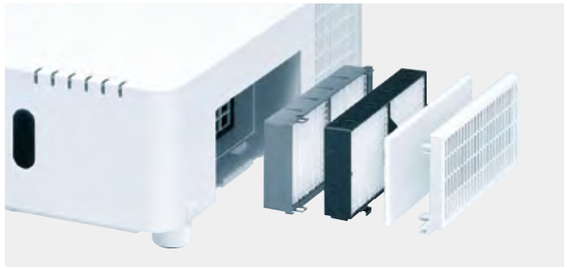
Normal Mode

DICOM® Simulation Mode

High Efficiency Optical System

The projectors achieve a brightness of the highest class in the industry by adopting a short arc length lamp with a small F-number lens.

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* without cleaning, reducing maintenance time.

* 15,000 hours for CP-SX8350, CP-X8150, CP-WX8240A, and CP-WU8440. Varies according to usage environment.

Status Monitor

The status monitor is a sub-LCD located on the rear panel of the CP-X8170, CP-WX8265, CP-WU8460, CP-X8160, CP-WX8255A, and CP-WU8450. 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

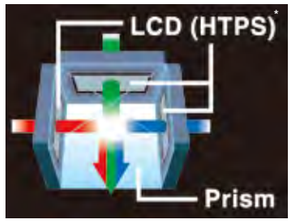
Error and alarm message

・Cover error ・Lamp error ・Temperature error
・Filter cleaning time and more…

An error message turns on.

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)

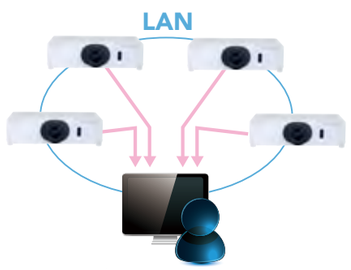
Easy Maintenance

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.

Various Network Features

Convenient Networking

Manage and control multiple projectors over your LAN with Centralized Reporting, Scheduling, E-mail Alerts, and My Image (Image Transfer)



Administration Room

Wireless Capability (Option)

Connect a projector to a computer using the optional USB wireless adapter. The adapter supports IEEE802.11b/g/n. Use the adapter cover to prevent the USB wireless adapter from coming off easily.

Without an access point | With an access point

Smart Device Control

By plugging the USB wireless adapter to the projector and using the dedicated free online application developed by Hitachi, projectors can be controlled from a tablet or smartphone.*

* See the Hitachi website for details
http://www.hitachi.co.jp/proj/en/apps/pj_connection.html

Hardware and software requirements for network capability
OS: One of the following. Windows® XP Home Edition/Professional Edition (32bit version only), Windows Vista® Home Basic/Home Premium/Business/Ultimate/Enterprise, Windows® 7 Starter/Home Basic/Home Premium/Professional/Ultimate/Enterprise **CPU:** Pentium®4 (2.8GHz or higher) **Graphic card:** 16bit, XGA or higher (When using the "Live Viewer" it is recommended that the display resolution of your computer be set to 1,024x768.) **Memory:** 512 MB or higher **Hard disk space:** 100MB or higher **Web browser:** Internet Explorer®6.0 or higher **CD-ROM drive**
*If many computers are connected to the network or the connected computer is under excessive load, higher specifications may be required.

Digital connectivity

2 HDMI input

Equipped with 2 terminals for the current widely-used interface.

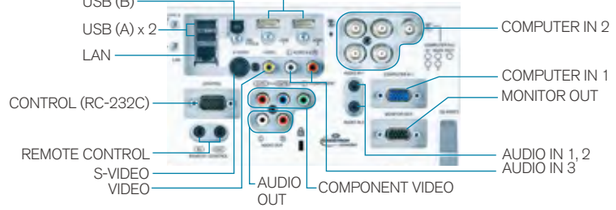
HDBaseT ™

Signals can be transmitted with no image degradation using standard LAN cables (Cat5e/6) of up to 100m.

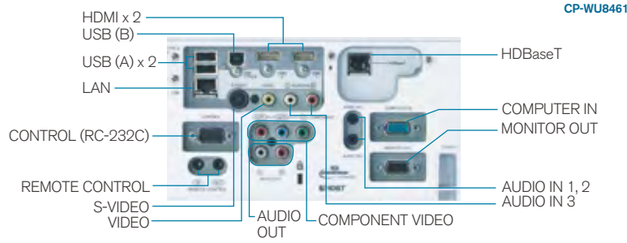
* Only for the CP-WU8461 and CP-WU8451

Terminals

CP-X8170, CP-WX8265, CP-WU8450, CP-X8160, CP-WX8255A, CP-WU8450, CP-SX8350, CP-X8150, CP-WX8240A, CP-WU8440



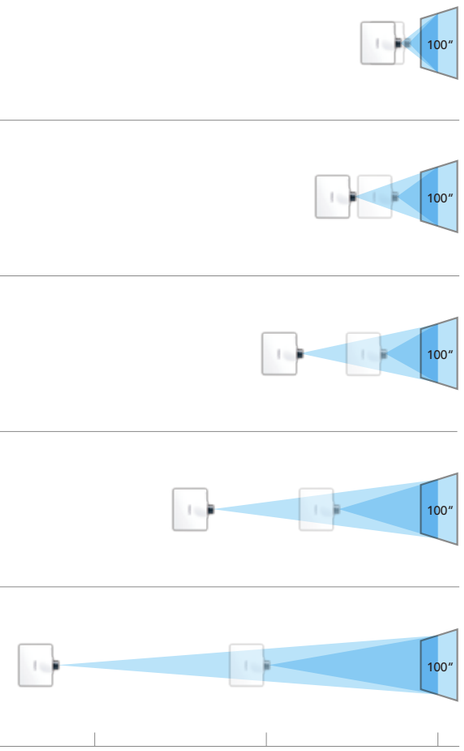
CP-WU8461, CP-WU8451



Variety of Interchangeable Lens Options

Five lenses are available to match various screen sizes and installation environments. Projection is possible in diverse installation areas from small conference rooms to auditoriums, convention halls, and other large spaces.

		Projection distance for 100"screen (Full screen) (Projector's front panel to screen)	Throw ratio	Projection distances for optional lenses when projecting onto a 100"screen (Full screen)
FL-701	CP-X8170,CP-X8160	1.7m (67")	0.8	
	CP-WX8265,CP-WX8255A	1.8m (71")	0.8	
	CP-WU8460,CP-WU8461,CP-WU8450, CP-WU8451,CP-WU8440	1.7m (69")	0.8	
	CP-SX8350	1.7m (66")	0.8	
	CP-X8150	2.1m (83")	1.0	
Fixed short throw lens Zoom:Fixed	CP-WX8240A	2.2m (88")	1.0	
SL-702	CP-X8170,CP-X8160	2.5 - 3.7m (97"- 145")	1.2 - 1.8	
	CP-WX8265,CP-WX8255A	2.6 - 3.9m (102"- 154")	1.2 - 1.8	
	CP-WU8460,CP-WU8461,CP-WU8450, CP-WU8451,CP-WU8440	2.5 - 3.8m (100"- 151")	1.2 - 1.8	
	CP-SX8350	2.4 - 3.7m (96"- 144")	1.2 - 1.8	
	CP-X8150	3.1 - 4.6m (120"- 181")	1.5 - 2.2	
Short throw lens Zoom: x1.5	CP-WX8240A	3.2 - 4.9m (127"- 192")	1.5 - 2.2	
ML-703	CP-X8170,CP-X8160	3.1 - 6.2m (122"- 242")	1.5 - 3.0	
	CP-WX8265,CP-WX8255A	3.3 - 6.5m (129"- 257")	1.5 - 3.0	
	CP-WU8460,CP-WU8461,CP-WU8450, CP-WU8451,CP-WU8440	3.2 - 6.4m (127"- 252")	1.5 - 3.0	
	CP-SX8350	3.1 - 6.1m (121"- 241")	1.5 - 3.0	
	CP-X8150	3.9 - 7.7m (153"- 303")	1.9 - 3.8	
Middle throw lens Zoom: x2.0	CP-WX8240A	4.1 - 8.1m (162"- 321")	1.9 - 3.8	
LL-704	CP-X8170,CP-X8160	5.9 - 10.0m (231"- 392")	2.8 - 4.9	
	CP-WX8265,CP-WX8255A	6.2 - 10.5m (244"- 415")	2.8 - 4.9	
	CP-WU8460,CP-WU8461,CP-WU8450, CP-WU8451,CP-WU8440	6.1 - 10.3m (240"- 407")	2.8 - 4.9	
	CP-SX8350	5.8 - 9.9m (229"- 389")	2.8 - 4.9	
	CP-X8150	7.3 - 12.4m (288"- 490")	3.6 - 6.1	
Long throw lens Zoom: x1.7	CP-WX8240A	7.8 - 13.2m (305"- 520")	3.6 - 6.1	
UL-705	CP-X8170,CP-X8160	10.0 - 16.9m (393"- 667")	4.9 - 8.3	
	CP-WX8265,CP-WX8255A	10.5 - 17.9m (415"- 705")	4.9 - 8.3	
	CP-WU8460,CP-WU8461,CP-WU8450, CP-WU8451,CP-WU8440	10.3 - 17.6m (407"- 691")	4.9 - 8.3	
	CP-SX8350	9.9 - 16.8m (390"- 662")	4.9 - 8.3	
	CP-X8150	12.4 - 21.1m (487"- 830")	6.0 - 10.3	
Ultra long throw lens Zoom: x1.7	CP-WX8240A	13.1 - 22.3m (516"- 879")	6.0 - 10.3	



* ML-703 comes standard on the CP-X8170, CP-X8160, CP-WU8460, CP-WU8461, CP-WU8450, CP-WU8451, CP-WU8440, CP-WX8265, and CP-WX8255A.
SL-702 comes standard on the CP-SX8350, CP-X8150, and CP-WX8240A.

Small and Midsize Conference Rooms

Classrooms

5000 series
4000 series

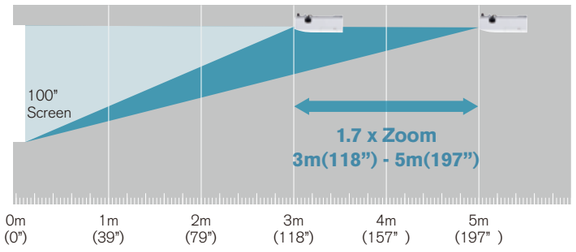
Projectors perfect for classrooms, or small and midsize conference rooms

Advanced Installability and System Features for Various Uses

1.7x Zoom Lens

Featuring a powerful 1.7x manual 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.

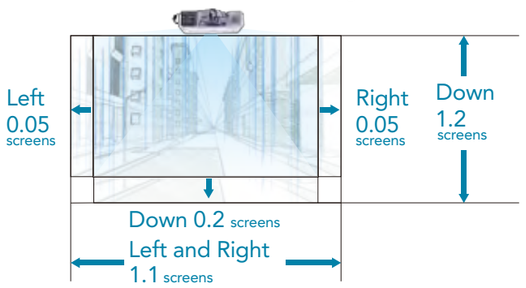
* The projection distance below is for the CP-X5022WN.



Manual Optical Lens Shift

Manually shift the lens horizontally and vertically, to position the image on the screen without causing any distortion. After ceiling mounting, fine adjustments can be done with a screwdriver and/or hexagonal wrench.

*A hexagonal wrench is included in the product package.
**The figure is for the CP-WX4022WN.



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, 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

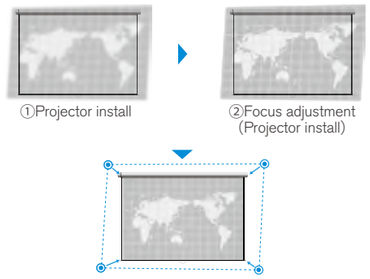
Turns on the projectors alternately.

Backup function

When ALTERNATE is selected and an error occurs on one projector, causing the lamp to turn off, the other projector will automatically start to operate.
* If the RS-232C cable is disconnected or AC power is not supplied, the other projector will not turn on.

Perfect Fit

Perfect Fit allows you to make image adjustments by independently moving the individual corners and sides. Ideal for complex installations where sizing the screen for image display is more difficult.



①Projector install

②Focus adjustment (Projector install)

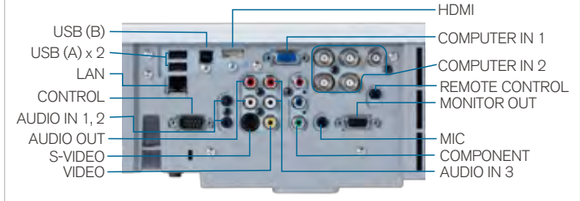
③Size and Position adjustment (Perfect fit)

CP-X5022WN
XGA 5,000lm

CP-X4022WN
XGA 4,000lm

CP-WX4022WN
WXGA 4,000lm

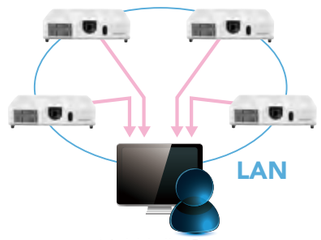
Terminals



Various Network Features

Convenient Networking

Manage and control multiple projectors over your LAN with Centralized Reporting, Scheduling, E-mail Alerts, and My Image (Image Transfer)



Administration Room

Wireless Capability (Option)

Connect a projector to a computer using the optional USB wireless adapter. The adapter supports IEEE802.11 b/g/n.

Without an access point | With an access point

Smart Device Control

By plugging the USB wireless adapter to the projector and using the dedicated free online application developed by Hitachi, projectors can be controlled from a tablet or smartphone.

* See the Hitachi website for details
http://www.hitachi.co.jp/proj/en/apps/pj_connection.html

Hardware and software requirements for network capability **OS:** One of the following, Windows® XP Home Edition/Professional Edition (32bit version only), Windows Vista® Home Basic/Home Premium/Business/Ultimate/Enterprise, Windows® 7 Starter/Home Basic/Home Premium/Professional/Ultimate/Enterprise **CPU:** Pentium®4 (2.8GHz or higher) **Graphic card:** 16bit, XGA or higher (When using the "Live Viewer" it is recommended that the display resolution of your computer be set to 1,024x768.) **Memory:** 512 MB or higher **Hard disk space:** 100MB or higher **Web browser:** Internet Explorer®6.0 or higher **CD-ROM drive**
*If many computers are connected to the network or the connected computer is under excessive load, higher specifications may be required.

ECO

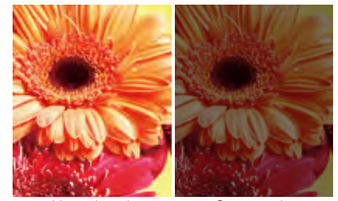
Saver Mode

This feature developed by Hitachi reduces the projector lamp brightness and consumption of power, resulting in considerable energy savings. Set the Saver mode time from 1 to 30 minutes, and if the projected image does not change in that time, Saver mode activates. Saver mode can also be activated manually with the remote control.

Intelligent Eco Mode

This feature developed by Hitachi automatically changes the brightness of the lamp according to the level of the input signal. Lamp brightness is reduced when a darker image is projected and returns to normal when a brighter image is projected, eliminating unnecessary energy consumption from the lamp.

ImageCare



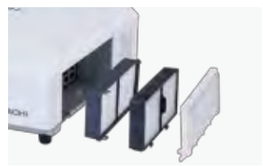
Normal mode | Saver mode

Ensuring High Reliability and Stability

Hybrid Filter

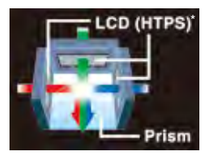
The filter is made of two layers on unwoven cloth and lasts up to approximately 5,000 hours* without cleaning, reducing maintenance time.

* Varies according to usage environment



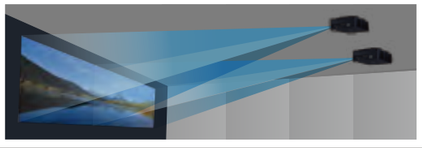
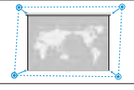
Inorganic LCD panels

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)

Features

			3-Chip DLP®	1-Chip DLP®				3 LCD													
			K series	9000 series				8000 series											5000 series 4000 series		
Model Name			CP-WU13K	CP-X9110 CP-X9111	CP-WX9210 CP-WX9211	CP-WU9410 CP-WU9411	CP-HD9320 CP-HD9321	CP-X8170	CP-WX8265	CP-WU8460	CP-WU8461	CP-X8160	CP-WX8255A	CP-WU8450	CP-WU8451	CP-SX8350	CP-X8150	CP-WX8240A	CP-WU8440	CP-X5022WN	CP-X4022WN	CP-WX4022WN
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/6) of up to 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	High Efficiency Optical System	The projectors achieve a brightness of the highest class in the industry by adopting a short arc length lamp with a small F-number lens.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	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 original technology that produces clear images in bright environments. 		●	●	●	●				●				●							
	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	Corrects the shape of images and further overlaps them seamlessly to use multiple projectors to project a single image. 	●	●	●	●	●															
	Geometric 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.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
	Lens Center	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 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			●	●			

Features

			3-Chip DLP®	1-Chip DLP®				3 LCD														
			K series	9000 series				8000 series												5000 series 4000 series		
Model Name			CP-WU13K	CP-X9110 CP-X9111	CP-WX9210 CP-WX9211	CP-WU9410 CP-WU9411	CP-HD9320 CP-HD9321	CP-X8170	CP-WX8265	CP-WU8460	CP-WU8461	CP-X8160	CP-WX8255A	CP-WU8450	CP-WU8451	CP-SX8350	CP-X8150	CP-WX8240A	CP-WU8440	CP-X5022WN	CP-X4022WN	CP-WX4022WN
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. 	●	● *1	● *1	● *1	● *1	● *1	● *1	● *1	● *1				● *1							
	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 never before possible.					●															
	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	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. 		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
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 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 project images from devices running iOS or Android.		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Industry Standard Compatibility	AMX Device Discovery and Creston Roomview are embedded to projectors, providing out of the box compatible industry standard solutions.		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ECO	Saver Mode	Reduces power consumption by reducing the lamp brightness if the image signal level does not change after a set time (1 to 30 minutes).																		●	●	●
	Intelligent Eco Mode	Automatically adjusts the output of the lamp to match the image signal. Lamp brightness is reduced for dark images that reduces the power used by the lamp, thus leading to reduced power consumption of projectors.																		●	●	●
High Reliability and Stability	Hybrid Filter	Hitachi's multi-layer filters reduce the burden of maintenance by extending the period between filter cleaning. 	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	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.	●	●	●	●	●															

Spec

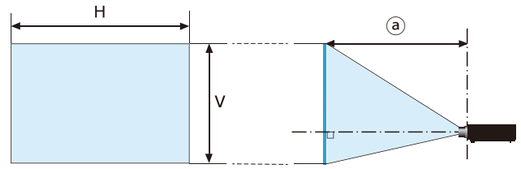
		K series	9000 series				8000 series											5000 series, 4000 series		
Model name		CP-WU13K	CP-X9110 / CP-X9111	CP-WX9210 / CP-WX9211	CP-WU9410 / CP-WU9411	CP-HD9320 / CP-HD9321	CP-X8170	CP-WX8265	CP-WU8460	CP-WU8461	CP-X8160	CP-WX8255A	CP-WU8450	CP-WU8451	CP-SX8350	CP-X8150	CP-WX8240A	CP-WU8440	CP-X5022WN	CP-X4022WN	CP-WX4022WN
Display system		3-Chip DLP®	1-Chip DLP®				3LCD												3LCD		
Display device	Size of effective display area	0.96" DLP®	0.7" DLP® x 1	0.65" DLP® x 1	0.67" DLP® x 1	0.65" DLP® x 1	0.79" LCD x 3	0.75" LCD x 3	0.76" LCD x 3	0.76" LCD x 3	0.79" LCD x 3	0.75" LCD x 3	0.76" LCD x 3	0.76" LCD x 3	0.79" LCD x 3	0.63" LCD x 3	0.59" LCD x 3	0.76" LCD x 3	0.63" LCD x 3	0.63" LCD x 3	0.59" LCD x 3
	Number of pixels	2,304,000 pixels	786,432 pixels	1,024,000 pixels	2,304,000 pixels	2,073,600 pixels	786,432 pixels	1,024,000 pixels	2,304,000 pixels	2,304,000 pixels	786,432 pixels	1,024,000 pixels	2,304,000 pixels	2,304,000 pixels	1,470,000 pixels	786,432 pixels	1,024,000 pixels	2,304,000 pixels	786,432 pixels	786,432 pixels	1,024,000 pixels
		1,920 x 1,200	1,024 x 768	1,280 x 800	1,920 x 1,200	1,920 x 1,080	1,024 x 768	1,280 x 800	1,920 x 1,200	1,920 x 1,200	1,024 x 768	1,280 x 800	1,920 x 1,200	1,920 x 1,200	1,400 x 1,050	1,024 x 768	1,280 x 800	1,920 x 1,200	1,024 x 768	1,024 x 768	1,280 x 800
Standard lens		Optional	Optional				2.0x zoom lens (ML-703)								1.5x zoom lens (SL-702)			2.0x zoom lens (ML-703)	1.7x zoom lens		
	Zoom	Motorized	Motorized				Motorized												Manual		
	Focus	Motorized	Motorized				Motorized												Manual		
	Lens shift	Motorized (V, H)	Motorized (V, H)				Motorized (V, H)												Manual (V, H)		
Light source		465W x 2	370W x 2			365W x 2	365W					330W				245W			245W		
Screen size		80 - 500 inch	50 - 600 inch				30 - 600 inch												30 - 300 inch		
Light output (Brightness)		13,000lm	10,000lm	8,500lm		8,200lm	7,000lm	6,500lm	6,000lm			5,500lm	5,000lm				4,000lm	4,200lm	5,000lm	4,000lm	
Contrast ratio		2,000 : 1 (Dynamic contrast)	2,000 : 1 (Theater mode)	2,500 : 1 (Theater mode)			3,000 : 1 (Presentation mode)			5,000 : 1 (Presentation mode)	3,000 : 1 (Presentation mode)			5,000 : 1 (Presentation mode)	3,000 : 1 (Presentation mode)				3,000 : 1 (Presentation mode)		
Speaker		-	-				-			8W x 2 (stereo)									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 / 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	Mini D-sub 15-pin connector x 1 / 5BNC connector x 1				Mini D-sub 15-pin connector x 1 / 5BNC connector x 1		
	MONITOR OUT	-	Mini D-sub 15-pin connector x 1				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												RCA connector x 1		
	S-VIDEO	-	-				MINI DIN 4-pin connector x 1												MINI DIN 4-pin connector x 1		
	COMPONENT VIDEO (Y, Cb/Pb, Cr/Pr)	3BNC x 1 / 3RCA x 1	-				3 RCA connector x 1												3 RCA connector x 1		
	HDMI IN	HDMI connector x 2	HDMI connector x 2				HDMI connector x 2												HDMI connector x 1		
	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 / -	- / -												- / -		
	HDBaseT	-	RJ-45 connector x 1				-			RJ-45 connector x 1	-			RJ-45 connector x 1	-				-		
	AUDIO IN	-	-				2 RCA connector x 1 / 3.5mm (stereo) mini connector x 2												2 RCA connector x 1 / 3.5mm (stereo) mini connector x 2		
	AUDIO OUT	-	-				2 RCA connector x 1												2 RCA connector x 1		
	MIC IN	-	-				-												3.5mm (mono) mini connector x 1		
	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												D-sub 9-pin connector x 1		
	CONTROL OUT (RS-232C)	-	-				-												-		
	LAN	RJ-45 connector x 1	RJ-45 connector x 1				RJ-45 connector x 1												RJ - 45 connector x 1		
	USB-A	-	USB type A connector x 1				USB type A connector x 2												USB type A connector x 2		
	USB-B	-	-				USB type B connector x 1												USB type B connector x 1		
	REMOTE CONTROL IN	-	3.5mm (stereo) mini connector x 1				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												-		
Operating temperature		0 - 40°C at altitude of 0 - 2,590m 0 - 20°C at altitude of 2,590 - 3,048m	0 - 50°C at altitude of 0 - 1,600m *2 0 - 40°C at altitude of 1,600 - 3,048m				0 - 45°C *3 at altitude of 0 - 3,048m								0 - 35°C at altitude of 0 - 3,048m	0 - 40°C at altitude of 0 - 3,048m			5 - 35°C at altitude of 0 - 1,600m 5 - 30°C at altitude of 1,600 - 3,048m		
Operating humidity (RH)		10 - 95% RH (non-condensing)	10 - 80% RH (non-condensing)				10 - 85% RH (non-condensing)												10 - 85% RH (non-condensing)		
Power requirements		AC100 - 130V / AC200 - 240V (50Hz / 60Hz) (SW)	AC110 - 120V / AC220 - 240V (50Hz / 60Hz)				AC100 - 120V / AC220 - 240V (50Hz / 60Hz)												AC100 - 120V / AC220 - 240V (50Hz / 60Hz)		
Maximum power consumption		AC100 - 130V : 1,230W AC200 - 240V : 1,250W	AC110 - 120V : 1,060W AC220 - 240V : 990W				AC100 - 120V : 500W AC220 - 240V : 480W			AC100 - 120V : 550W AC220 - 240V : 520W	AC100 - 120V : 480W AC220 - 240V : 455W			AC100 - 120V : 500W AC220 - 240V : 480W	AC100 - 120V : 480W AC220 - 240V : 455W	AC100 - 120V : 375W AC220 - 240V : 355W			AC100 - 120V : 370W AC220 - 240V : 350W		
Standby mode power consumption		Less than 3W	Less than 0.5W				Less than 0.35W												0.5W		
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)				498mm x 135mm x 396mm (19.6" x 5.3" x 15.6") (Excluding lens and protruding parts)												401mm x 103mm x 318mm (15.8" x 4.1" x 12.5") (Excluding protruding parts)		
Weight		Approx. 34.0kg (74.9lbs.) (Excluding lens)	Approx.16.6kg (36.6lbs.) (Excluding lens)				Approx. 8.8kg (19.4lbs.)		Approx. 8.8kg (19.4lbs.)	Approx. 9.2kg (20.3lbs.)	Approx. 8.8kg (19.4lbs.)	Approx. 8.7kg (19.2lbs.)	Approx. 8.8kg (19.4lbs.)	Approx. 9.2kg (20.3lbs.)	Approx. 8.7kg (19.2lbs.)	Approx. 8.4kg (18.5lbs.)		Approx. 8.7kg (19.2lbs.)	Approx. 4.6kg (10.1lbs.)		
Features	Filter cleaning interval *1	1,000hr	15,000hr				20,000hr								15,000hr				4,000hr		
Accessories		Remote control with batteries, Power cord, RS-232C cable (cross), User manual	Remote control with batteries, Power cord, Computer cable, Adapter cover, Application CD				Remote control with batteries, Power cord, Computer cable, Adapter cover, Lens cover, Application CD												Remote control with batteries, Power cord, Computer cable, Adapter cover, Lens cover, Application CD, Hexagon wrench		

*1 This interval depends on the environment. *2 When the ambient temperature exceeds 45°C, the brightness of the lamp is reduced automatically.

*3 When the ambient temperature exceeds 40°C, the brightness of the lamp is reduced automatically.

Lens Spec

Projection distance



H x V : Screen size

ⓐ : Projection distance (from the projector's front panel to screen) (±10%)
Throw ratio = a[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	FL-K02	SL-K03		ML-K04		LL-K05		UL-K06	
	Type	H(m)	H(")	V(m)	V(°)	fix.	fix.	min.	max.	min.	max.	min.	max.	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-903W SD-903X		ML-904		LL-905		UL-906		USL-901		SL-902		SD-903W SD-903X		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.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
CP-X9110 CP-X9111 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	11.7	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	3.6	5.8	5.7	9.1	0.8	1.0	1.2	1.8	1.7	2.5	2.5	3.8	3.6	5.8	5.7	9.1
CP-WX9210 CP-WX9211 Aspect ratio 16 : 10	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	5.9	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
CP-WU9410 CP-WU9411 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
CP-HD9320 CP-HD9321 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

8000 series

Model	Item					m										inch									
	Screen size					FL-701	SL-702		ML-703		LL-704		UL-705			FL-701	SL-702		ML-703		LL-704		UL-705	
	Type	H(m)	H(")	V(m)	V(°)	fix	min.	max.	min.	max.	min.	max.	min.	max.		fix	min.	max.	min.	max.	min.	max.	min.	max.
CP-X8170 CP-X8160 Aspect ratio 4:3	Projection distance ⓑ 80	1.6	64	1.2	48	1.4	2.0	3.0	2.5	4.9	4.7	8.0	8.0	13.6		54	77	116	98	194	185	313	316	535
	100	2.0	80	1.5	60	1.7	2.5	3.7	3.1	6.2	5.9	10.0	10.0	16.9		67	97	145	122	242	231	392	393	667
	150	3.0	120	2.3	90	2.5	3.7	5.5	4.6	9.2	8.8	15.0	14.8	25.3		99	144	217	183	363	346	589	584	996
	200	4.1	160	3.0	120	3.4	4.9	7.4	6.2	12.3	11.7	20.0	19.7	33.6		132	192	289	244	484	461	787	775	1324
	300	6.1	240	4.6	180	5.0	7.3	11.0	9.3	18.4	17.6	30.0	29.4	50.3		197	288	434	366	725	692	1181	1157	1982
	400	8.1	320	6.1	240	6.7	9.7	14.7	12.4	24.6	23.4	40.0	39.1	67.1		262	383	578	487	967	922	1576	1539	2640
	500	10.2	400	7.6	300	8.3	12.2	18.3	15.5	30.7	29.3	50.0	48.8	83.8		327	478	722	609	1209	1153	1970	1921	3298
	Throw ratio					0.8	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3		0.8	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3
CP-WX8265 CP-WX8255A Aspect ratio 16:10	Projection distance ⓐ 80	1.7	68	1.1	42	1.4	2.1	3.1	2.6	5.2	5.0	8.4	8.5	14.4		57	82	123	104	206	196	332	334	566
	100	2.2	85	1.3	53	1.8	2.6	3.9	3.3	6.5	6.2	10.5	10.5	17.9		71	102	154	129	257	244	415	415	705
	150	3.2	127	2.0	79	2.7	3.9	5.8	4.9	9.8	9.3	15.8	15.7	26.7		105	153	230	194	385	366	624	617	1053
	200	4.3	170	2.7	106	3.5	5.2	7.8	6.6	13.0	12.4	21.1	20.8	35.6		140	203	306	259	513	488	833	819	1401
	300	6.5	254	4.0	159	5.3	7.7	11.7	9.8	19.5	18.6	31.8	31.1	53.3		209	304	459	388	769	732	1250	1224	2097
	400	8.6	339	5.4	212	7.0	10.3	15.5	13.1	26.0	24.8	42.4	41.3	71.0		278	405	612	517	1025	976	1668	1628	2793
	500	10.8	424	6.7	265	8.8	12.9	19.4	16.4	32.5	31.0	53.0	51.6	88.6		346	506	764	646	1281	1220	2085	2032	3490
	Throw ratio					0.8	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3		0.8	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3
CP-WU8460 CP-WU8461 CP-WU8450 CP-WU8451 CP-WU8440 Aspect ratio 16:10	Projection distance ⓐ 80	1.7	68	1.1	42	1.4	2.0	3.1	2.6	5.1	4.9	8.3	8.3	14.1		56	80	121	101	202	192	325	328	555
	100	2.2	85	1.3	53	1.7	2.5	3.8	3.2	6.4	6.1	10.3	10.3	17.6		69	100	151	127	252	240	407	407	691
	150	3.2	127	2.0	79	2.5	3.8	5.7	4.8	9.6	9.1	15.5	15.4	26.2		103	150	225	190	377	359	612	605	1033
	200	4.3	170	2.7	106	3.3	5.1	7.6	6.4	12.8	12.2	20.7	20.4	34.9		137	199	300	253	503	479	816	803	1374
	300	6.5	254	4.0	159	5.0	7.6	11.4	9.6	19.1	18.2	31.1	30.5	52.2		204	298	450	379	754	718	1226	1200	2056
	400	8.6	339	5.4	212	6.6	10.1	15.2	12.8	25.5	24.3	41.5	40.5	69.6		272	397	600	506	1005	957	1635	1596	2739
	500	10.8	424	6.7	265	8.3	12.6	19.0	16.1	31.9	30.4	51.9	50.6	86.9		340	496	749	632	1256	1196	2044	1993	3421
	Throw ratio					0.8	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3		0.8	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3
CP-SX8350 Aspect ratio 4:3	Projection distance ⓐ 80	1.6	64	1.2	48	1.4	2.0	2.9	2.5	4.9	4.7	7.9	8.0	13.5		53	77	115	97	193	183	311	314	531
	100	2.0	80	1.5	60	1.7	2.4	3.7	3.1	6.1	5.8	9.9	9.9	16.8		66	96	144	121	241	229	389	390	662
	150	3.0	120	2.3	90	2.5	3.6	5.5	4.6	9.2	8.7	14.9	14.7	25.1		99	143	216	182	361	344	585	579	988
	200	4.1	160	3.0	120	3.3	4.8	7.3	6.2	12.2	11.6	19.8	19.5	33.4		131	191	287	242	481	458	781	769	1314
	300	6.1	240	4.6	180	5.0	7.2	10.9	9.2	18.3	17.4	29.8	29.2	50.0		196	285	430	363	720	686	1172	1148	1967
	400	8.1	320	6.1	240	6.6	9.7	14.6	12.3	24.4	23.2	39.7	38.8	66.5		260	380	573	484	960	915	1563	1527	2619
	500	10.2	400	7.6	300	8.3	12.1	18.2	15.4	30.5	29.1	49.6	48.4	83.1		325	475	717	605	1200	1144	1955	1906	3272
	Throw ratio					0.8	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3		0.8	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3
CP-X8150 Aspect ratio 4:3	Projection distance ⓐ 80	1.6	64	1.2	48	1.7	2.4	3.7	3.1	6.2	5.9	9.9	10.0	16.9		67	96	145	122	242	231	392	392	666
	100	2.0	80	1.5	60	2.1	3.1	4.6	3.9	7.7	7.3	12.4	12.4	21.1		83	120	181	153	303	288	490	487	830
	150	3.0	120	2.3	90	3.1	4.6	6.9	5.8	11.5	11.0	18.7	18.4	31.5		124	180	271	229	454	432	736	726	1240
	200	4.1	160	3.0	120	4.2	6.1	9.2	7.8	15.4	14.6	25.0	24.5	41.9		164	239	361	305	605	576	982	964	1651
	300	6.1	240	4.6	180	6.2	9.1	13.7	11.6	23.0	21.9	37.5	36.6	62.8		246	359	541	458	907	863	1475	1441	2472
	400	8.1	320	6.1	240	8.3	12.1	18.3	15.5	30.7	29.2	50.0	48.7	83.6		327	478	721	610	1208	1151	1967	1918	3293
	500	10.2	400	7.6	300	10.4	15.2	22.9	19.4	38.4	36.5	62.5	60.8	104.5		408	597	901	762	1510	1438	2459	2395	4113
	Throw ratio					1.0	1.5	2.2	1.9	3.8	3.6	6.1	6.0	10.3		1.0	1.5	2.2	1.9	3.8	3.6	6.1	6.0	10.3
CP-WX8240A Aspect ratio 16:10	Projection distance ⓐ 80	1.7	68	1.1	42	1.8	2.6	3.9	3.3	6.5	6.2	10.5	10.5	17.9		71	102	154	130	257	244	415	415	705
	100	2.2	85	1.3	53	2.2	3.2	4.9	4.1	8.1	7.8	13.2	13.1	22.3		88	127	192	162	321	305	520	516	879
	150	3.2	127	2.0	79	3.3	4.8	7.3	6.2	12.2	11.6	19.8	19.5	33.4		131	191	287	243	481	458	780	769	1314
	200	4.3	170	2.7	106	4.4	6.4	9.7	8.2	16.3	15.5	26.5	25.9	44.4		174	254	383	324	641	610	1041	1021	1749
	300	6.5	254	4.0	159	6.6	9.7	14.6	12.3	24.4	23.2	39.7	]38.8	66.5		260	380	573	485	961	915	1563	1527	2619
	400	8.6	339	5.4	212	8.8	12.9	19.4	16.4	32.5	31.0	53.0	51.6	88.6		346	506	764	647	1281	1220	2085	2032	3490
	500	10.8	424	6.7	265	11.0	16.1	24.3	20.5	40.7	38.7	66.2	64.5	110.7		433	633	955	808	1601	1525	2607	2538	4360
	Throw ratio					1.0	1.5	2.2	1.9	3.8	3.6	6.1	6.0	10.3		1.0	1.5	2.2	1.9	3.8	3.6	6.1	6.0	10.3

5000 series, 4000 series

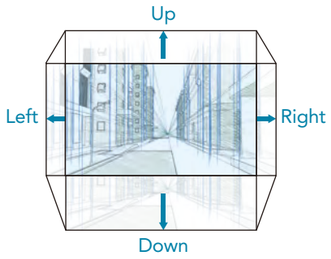
Model	Screen size					m		inch	
	Type	H(m)	H(")	V(m)	V(°)	min.	max.	min.	max.
CP-X5022WN CP-X4022WN Aspect ratio 4:3	Projection distance ⓐ 80	1.6	64	1.2	48	2.4	4.0	94	157
	100	2.0	80	1.5	60	3.0	5.0	118	197
	150	3.0	120	2.3	90	4.5	7.5	179	297
	200	4.1	160	3.0	120	6.1	10.1	239	396
	300	6.1	240	4.6	180	9.1	15.1	360	596
	Throw ratio					1.5	2.5	1.5	2.5

Model	Screen size					m		inch	
	Type	H(m)	H(")	V(m)	V(°)	min.	max.	min.	max.
CP-WX4022WN Aspect ratio 16:10	Projection distance ⓐ 80	1.7	68	1.1	42	2.6	4.3	103	171
	100	2.2	85	1.3	53	3.3	5.5	129	215
	150	3.2	127	2.0	79	5.0	8.2	195	323
	200	4.3	170	2.7	106	6.6	11.0	261	432
	300	6.5	254	4.0	159	10.0	16.5	393	650
	Throw ratio					1.5	2.5	1.5	2.5

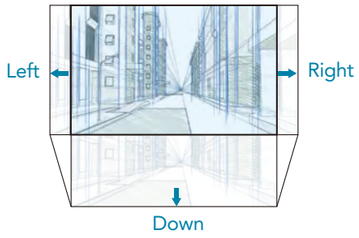
Lens Shift (for upside-down installation)

Vertical or horizontal distance from the center of the projected image to the point where the lens axis intersects the screen.
The illustrations below show the range of LENS SHIFT when the projector is installed upside down, such as on a ceiling mount.

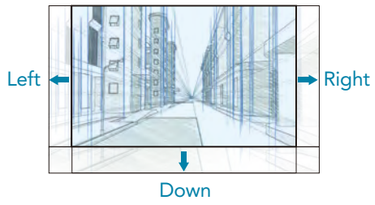
K series



9000, 8000 series



5000, 4000 series



K series

		FL-K01	FL-K02	SL-K03	ML-K04	LL-K05	UL-K06
CP-WU13K	Left/Right	n/a	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%
	Up/Down	n/a	-25 - +50%	-25 - +50%	-25 - +50%	-25 - +50%	-25 - +50%

9000 series

		USL-901	SL-902	SD-903W SD-903X	ML-904	LL-905	UL-906
CP-X9110 CP-X9111	Left/Right	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%
	Down	0 - 50%	0 - 55%	0 - 55%	0 - 55%	0 - 55%	0 - 55%
CP-WX9210 CP-WX9211	Left/Right	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%
	Down	0 - 55%	0 - 65%	0 - 65%	0 - 65%	0 - 65%	0 - 65%
CP-WU9410 CP-WU9411	Left/Right	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%
	Down	0 - 50%	0 - 60%	0 - 60%	0 - 60%	0 - 60%	0 - 60%
CP-HD9320 CP-HD9321	Left/Right	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%
	Down	0 - 55%	0 - 65%	0 - 65%	0 - 65%	0 - 65%	0 - 65%

8000 series

		FL-701	SL-702	ML-703	LL-704	UL-705
CP-X8170 CP-X8160	Left/Right	0% (Fixed)	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%
	Down	0% (Fixed)	0 - 40%	0 - 50%	0 - 40%	0 - 40%
CP-WX8255A CP-WX8265	Left/Right	0% (Fixed)	0-±10%	0 - ±10%	0 - ±10%	0 - ±10%
	Down	0% (Fixed)	0 - 50%	0 - 55%	0 - 50%	0 - 50%
CP-WU8460 CP-WU8461 CP-WU8450 CP-WU8451 CP-WU8440	Left/Right	0% (Fixed)	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%
	Down	0% (Fixed)	0 - 50%	0 - 55%	0 - 50%	0 - 50%
CP-SX8350	Left/Right	0% (Fixed)	0 - ±10%	0 - ±10%	0 - ±10%	0 - ±10%
	Down	0% (Fixed)	0 - 40%	0 - 50%	0 - 40%	0 - 40%
CP-X8150	Left/Right	0% (Fixed)	0 - ±50%	0 - ±50%	0 - ±50%	0 - ±50%
	Down	0% (Fixed)	0 - 60%	0 - 60%	0 - 60%	0 - 60%
CP-WX8240A	Left/Right	0% (Fixed)	0 - ±50%	0 - ±50%	0 - ±50%	0 - ±50%
	Down	0% (Fixed)	0 - 75%	0 - 75%	0 - 75%	0 - 75%

5000 series, 4000 series

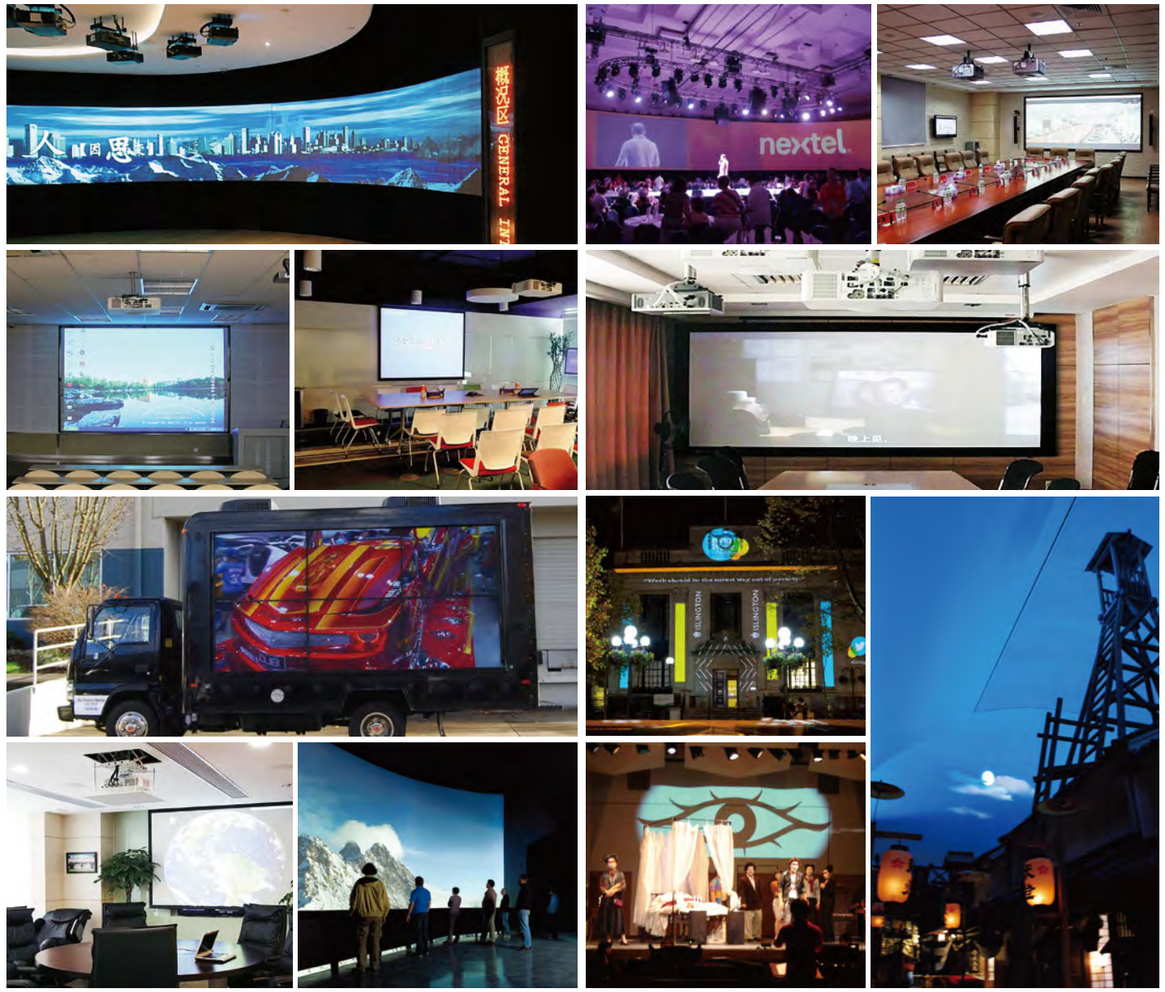
CP-X5022WN CP-X4022WN	Left/Right	0 - ±5%
	Down	30 - 50%
CP-WX4022WN	Left/Right	0 - ±5%
	Down	36 - 60%

Option

	3-Chip DLP®	1-Chip DLP®		3 LCD				
	K series	9000 series		8000 series				5000 series, 4000 series
Model name	CP-WU13K	CP-X9110/CP-X9111 CP-WX9210/CP-WX9211 CP-WU9410/CP-WU9411	CP-HD9320 CP-HD9321	CP-X8170 CP-WX8265 CP-WU8460 CP-WU8461	CP-X8160 CP-WX8255A CP-WU8450 CP-WU8451	CP-SX8350	CP-X8150 CP-WU8240A CP-WU8440	CP-X5022WN CP-X4022WN CP-WX4022WN
Lamp	DT01591	DT01581	DT01731	DT01471	DT01291		DT01281	DT01171 (including a filter unit)
Filter set	MU08321 (for front), MU08331 (for rear)	UX39551		UX38242	UX38241	MUO6642	MUO6642	MU07791
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)	USL-901 (Ultra short throw lens) SL-902 (Short throw lens) SD-903W (Standard lens for CP-WX9210/CP-WX9211/ CP-WU9410/CP-WU9411/CP-HD9320/CP-HD9321) SD-903X (Standard lens for CP-X9110/CP-X9111) ML-904 (Middle throw lens) LL-905 (Long throw lens) UL-906 (Ultra long throw lens)		FL-701 (Fixed short throw lens) SL-702 (Short throw lens) ML-703 (Middle 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-8150 (Bracket for fixing mount)				HAS-3010 (Bracket for fixing mount)
		HAS-204L (Standard adapter for fixing mount)		HAS-204L (Standard adapter for fixing mount)				HAS-204L (Standard adapter for fixing mount)
	FS-13K (Frame for stacking)	HAS-304H (Long adapter for fixing mount)		HAS-304H (Long adapter for fixing mount)				HAS-304H (Long adapter for fixing mount)
USB wireless adapter	-	USB-WL-11N		USB-WL-11N				USB-WL-11N
Others	-	-		-				RC-R008 (Laser remote control)

Installation Example

Hitachi projectors are utilized in various ways.



—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 (lamp, LCD panel, polarizing plate, PBS [polarizer beam splitter]) have limited service lives. They must be repaired or replaced if they are used for a long period of time.
- These projectors use a mercury lamp with high internal pressure. Because of its properties, this lamp may burst with a loud noise or burn out if struck or after it has been used for a period of time. The time until it bursts or burns out varies greatly according to differences between lamps and usage conditions. Turning the lamp's power on and off frequently shortens its service life.
- Optical components other than the lamp: If the projector is used for six hours or more per day, they may need to be replaced in less than a year.
- LCD panel: If the projector is used continuously for six hours or more, its replacement cycle may be shortened.
- Do not turn the projector 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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