

Projectors Installation series

Providing advanced functionality with flexible installation features

HITACHI

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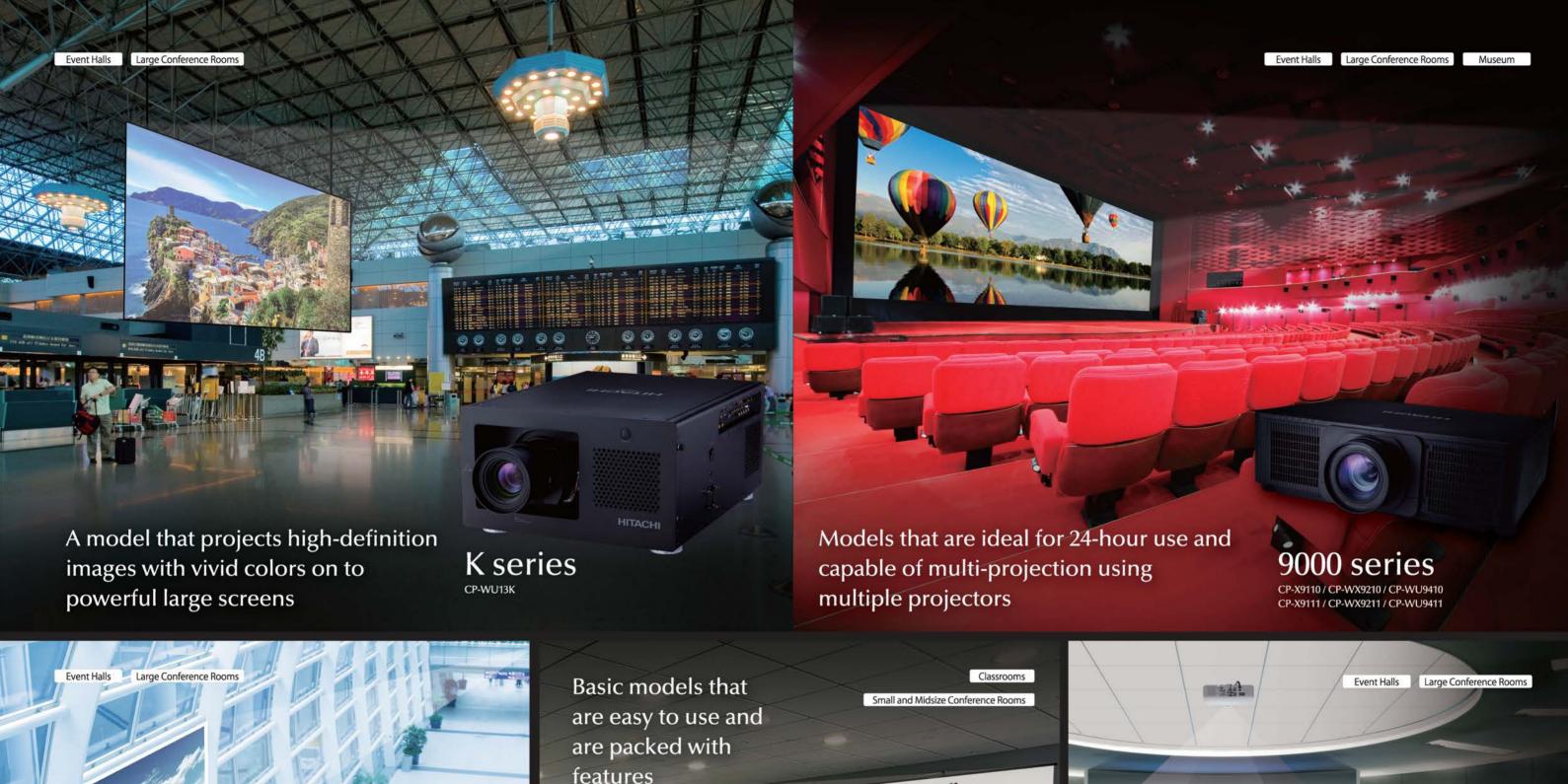
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K series

9000 series 10000 series

8000 series

2 HDMI input

High Efficiency Optical System

Slim Design

360° Projection

Status Monitor Display Motorized Zoom, Focus and Lens Shift

2.0x Zoom Standard Lens

5000 series 4000 series



3G/HD/SD-SDI

2 HDMI input

Dual Lamp

Lamp Power Mode

Edge Blending

Motorized Zoom, Focus and Lens Shift









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Model Name	CP-WU13K	CP-X9110 CP-X9111	CP-WX9210 CP-WX9211	CP-WU9410 CP-WU9411	CP-X10000	CP-WX11000	CP-SX12000	CP-X8170	CP-WX8265	CP-WU8460	CP-X8160	CP-WX8255	CP-WU8450	CP-SX8350				CP-X5022WN	CP-X4022WN	CP-WX4022WN	
Display System	3-Chip DLP®		1-Chip DLP®			3 LCD							3 LCD						3 LCD		
Light Output (Brightness)	13,000lm	10,000lm	8,500lm	8,500lm	7,500lm	6,500lm	7,000lm	7,000lm	6,500lm	6,000lm	6,000lm	5,500lm	5,000lm	5,000lm	5,000lm	4,000lm	4,200lm	5,000lm	4,000lm	4,000lm	
Resolution	WUXGA	XGA	WXGA	WUXGA	XGA	WXGA	SXGA+	XGA	WXGA	WUXGA	XGA	WXGA	WUXGA	SXGA+	XGA	WXGA	WUXGA	XGA	XGA	WXGA	
	1,920 x1,200	1,024 x 768	1,280 x 800	1,920 x 1,200	1,024 x 768	1,366 x 800	1,400 x 1,050	1,024 x 768	1,280 x 800	1,920 x 1,200	1,024 x 768	1,280 x 800	1,920 x 1,200	1,400 x 1050	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 x2		370W x2			350W			365W			33	80W			245W			245W		
Standard Outside Dimensions (W x H x D)	500mm x 633mm x 270mm (19.7" x 24.9 " x 10.6") (Excluding lens and protruding part)	(2	n x 170mm x 43 1.1" x 6.7" x 17 g lens and protr	7.2")	(18.7	m x 272mm x 4 4" x 10.71" x 1 g lens and protr	8.46")					498mm x 135 (19.6" x 5 (Excluding p	.3" x 15.6")					(1	m x 103mm x 5.8" x 4.1" x 19 uding protrudin	2.5")	
Weight	Approx. 34.0kg (75.0lbs.) (Excluding lens)	Approx. 16.6	kg(35.3lbs.) (Ex	xcluding lens)	Approx. 13.1	kg (28.9lbs.) (E	xcluding lens)	Ар	orox. 8.8kg (1	9.4lbs.)	Approx. 8.8kg (19.4lbs.)	Approx. 8.7kg (19.2lbs.)	Approx. 8.8kg (19.4lbs.)	Approx. 8.7kg (19.2lbs.)	Approx. 8.4kg (18.5lbs.)	Approx. 8.4kg (18.5lbs.)	Approx. 8.7kg (19.2lbs.)	Арг	rox. 4.6kg (10	1lbs.)	

2 HDMI input

ACCENTUALIZER

P by P/P in P

High Efficiency Optical System

Slim Design

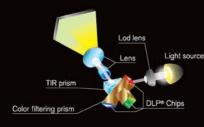
Status Monitor Display

Motorized Zoom, Focus and Lens Shift

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5-0		J	

Main Features

Each chip is actually 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-chips 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.

2 HDMI input

ACCENTUALIZER

HDCR

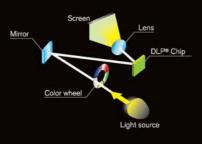
Built-in Dual Color Wheel

HDBaseT

Dual Lamp

Edge Blending

Geometric Correction (Warping) Status Monitor Display Motorized Zoom, Focus and Lens Shift



Superior Lens Shift

High Performance Filter

Ultra Short Lens

Inorganic LCD panels

Motorized Zoom , Focus and Lens Shift

3 LCD Chips with Inorganic Alignment Layers

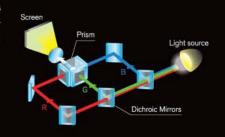
2 HDMI input

High Efficiency Optical System

Slim Design

Motorized Zoom, Focus and Lens Shift

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.



1.7x Zoom Lens

Intelligent ECO

Instant Stack

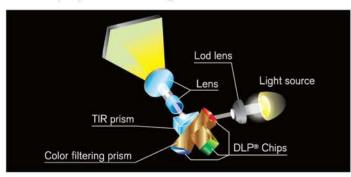
Manual V + H Lens Shift



High Brightness and Image Quality That Deliver Bright Vivid Colors

3-Chip DLP®

Each chip is actually 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-chips system makes images natural with vivid colors.



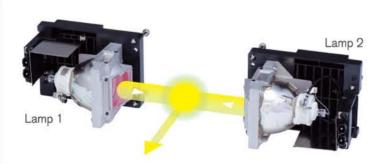
WUXGA

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 doubled by using the single lamp mode, which automatically chooses and turns on the lamp with the least amount of time used.



Brightness

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



Advanced Installability and System Features for Various Uses

Edge Blending

CP-WU13K



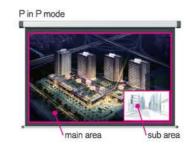
Projectors are equipped with the Edge Blending function that achieves the seamless projection of one image using multiple projectors.

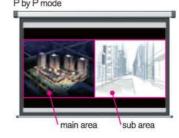


P by P / P in P Functions

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.

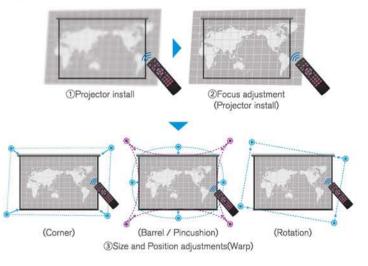
* Depending on the input signal, some combinations of simultaneous displays may not be available.





Powered Focus and Warp

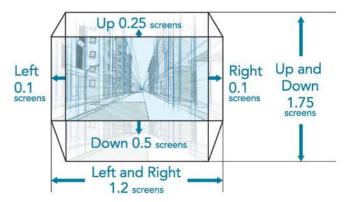
Equipped with powered focus and Warp with which the position of the four corners, four sides and rotation of a projected image can be adjusted. With the remote controller at hand, you can adjust focus and the position of an image.



Superior Lens Shift

Superior lens shift lets you choose the most covenient installation location, even for large spaces. The figure shows the lens shift range at ceiling mounting position.

*Not available with FL-K01 lens.



Digital connectivity

4 Digital Inputs

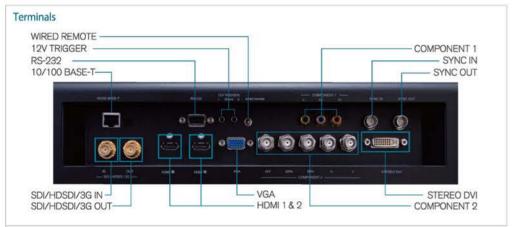
Projectors provide 4 digital inputs consisting of HDMI(x2), DVI and SDI to handle many types of installation environments.

SDI

Equipped with an SDI input – the standard in the broadcast industry. 3G SDI can transfer 1,080P signals via a coaxial cable.

 DVI input terminal only accepts WUXGA/1,080 signal and no OSD functions are available on this input.





Ensuring High Reliability and Stability

High Performance Filter

The finely crafted form of the projectors incorporates a two-layer filter, providing maximum defense against dust with a pleats type filter and an urethane filter. Thanks to this 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 Excellently Express Images

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 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.





[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"
OF.	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"



High Brightness and Image Quality That Deliver Bright Vivid Colors

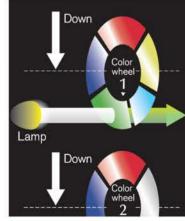
Built-in Dual Color Wheel

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



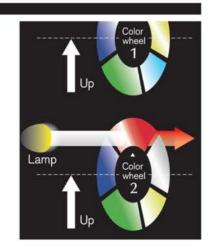
Reproduces color in levels equivalent to digital cinema. Ideal for use in museums and for viewing videos that emphasize color.



technology allows you to switch the color wheel in about 10 seconds by the remote control without having to open the chassis to install the color wheel.



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 (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.



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CP-X9110 CP-WX9210 CP-WU9410 CP-X9111 CP-WX9211 CP-WU9411 XGA 10.000h

HDCR (High Dynamic Contrast Range)



When average projectors are used in bright rooms, the darker colors Bright room 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.

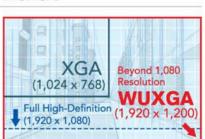


HDCR OFF

WUXGA

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

*Only for the CP-WU9410 / CP-WU9411.



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



Dual Lamp

Equipped with a dual lamp system that achieves a high brightness of 10,000lm* in a compact body weighing only 16.6kg (35.3lbs.)**. The period between lamp maintenance can be doubled by using the single *CP-X9110/CP-X9111 "Does not include lens.

Brightness

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

Motion Adaptive Deinterlacer

Provides focused images, even for fast moving images.



Digital rapid motion adaptive deinterlacer

Equalizing Gamma/Color Balance

Easily perform gamma and color balance adjustments while viewing images.





Edge Blending



Projectors are equipped with the Edge Blending function that achieves the seamless projection of one image using multiple projectors. The 9000 series comes with various blending functions that meet the level users are looking for.



Easily perform blending processing without the use of any special equipment.

Automatic Blending



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

Requires installation of a specialized application to your computer.

360° Projection

Projectors can be installed facing any 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.



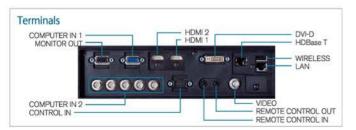
Digital connectivity

4 Digital Inputs

HDBaseT

Projectors provide 4 digital inputs consisting of HDMI, DVI-D, and HDBaseT to handle many types of installation environments.

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



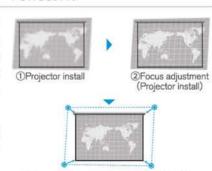
Geometric Correction (Warping)

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.

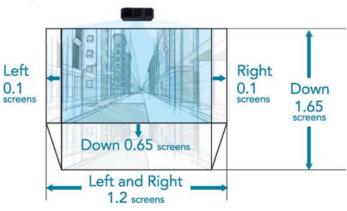


3Size and Position adjustment (Perfect fit)

Superior Lens Shift

Superior lens shift lets you choose the most convenient installation location, even for large spaces.

* The figure below is for the CP-WX9210/CP-WX9211.



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.

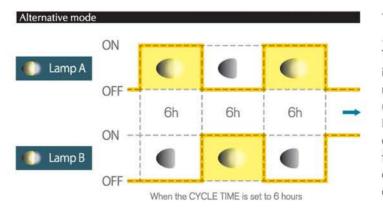




Ensuring High Reliability and Stability

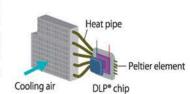
All-day Use

Equipped with the highly reliable Dual Lamp System. If one lamp stops functioning during use, the second lamp activates and projects the image with no interruption in the projection. Also, 24-hour-a-day continuous operation is possible. With the single lamp such as the Alternative mode which alternates the use of the two lamps it helps to slash running cost.



New 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.



High Performance Filter

The finely crafted form of these projectors incorporates a three-layer filter, providing maximum defense against dust with unwoven cloth layers and an HAF (High Air Flow) filter. Thanks to this 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.

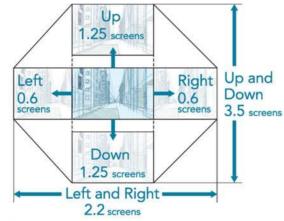
			Projection distance for 100" screen (Full screen) (Projector's front panel to screen)	Throw ratio	Projection distances for optional lenses when projecting onto a 100"screen (Full screen)
-	USL-901	CP-WU9410 CP-WU9411	1.7-2.1m(67"-84")	0.8 - 1.0	
	Ultra short throw lens	CP-WX9210 CP-WX9211	1.8-2.2m(71"-88")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

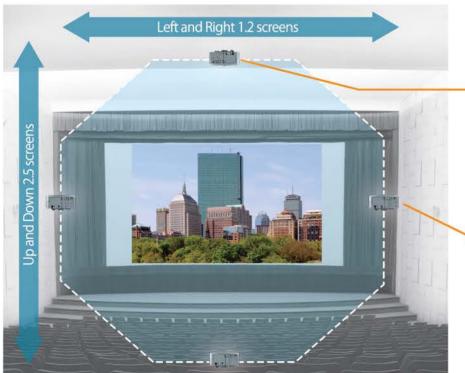


Superior Lens Shift

The CP-WX11000 is capable of shifting the lens up and down ± 1.25 screens and left and right ± 0.6 screens, achieving a lens shift of the highest class in the industry. The projectors accommodate difficult installation conditions with ease, whether it is a location with a high ceiling resulting in the screen being lower than the projector or obstructions such as beams or pipes preventing installation in desired locations. Also, this lens shift uses optical correction instead of circuit signal processing which provides an image with no loss of image quality.

*The figures below are when the CP-WX11000 and the standard lens SD-804 are used.







apable of installation on high ceilings not possible before



Capable of installation off-center from screens not possible before







CP-WX11000



CP-SX120

GA 6,500lm SXGA+ 7,000lm

Ensuring High Reliability and Stability

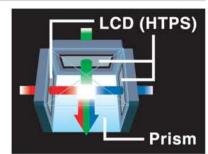
High Performance Filter

The finely crafted form of these projectors incorporates a four-layer filter, providing maximum defense against dust with one unwoven cloth layer and three HAF (High Air Flow) filters. Thanks to this 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.



Inorganic LCD panels

These 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.

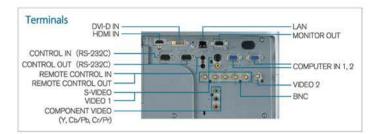


HTPS (High Temperature Poly-Silicon)

Digital connectivity

DVI-D and HDMI inputs

Equipped with two digital input terminals - a DVI-D input and an HDMI input. Connection via a digital DVI terminal greatly reduces image deterioration, ensuring highest possible picture quality digital sources.



Variety of Interchangeable Lens Options

Lenses are all optional

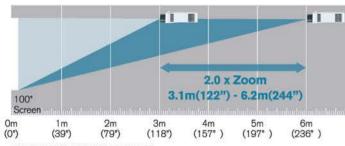
Six lenses are available to match various screen sizes and installation environments. Projection is possible in diverse installation areas from small conference rooms to auditoriums, convention halls, and other large spaces.

		Projection distance for 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-801 Ultra short throw lens	CP-X10000 CP-SX12000	1.0-1.2m(39"-47")	0.5 - 0.6	100"
Zoom: x1.2	CP-WX11000	1.1-1.3m(43"-51")	0.5 - 0.6	
SL-802 Short throw lens	CP-X10000 CP-SX12000	2.5-3.0m(99"-119")	1.2 - 1.5	100"
Zoom: x1.2	CP-WX11000	2.7-3.3m(106"-129")	1.2 - 1.5	
SL-803 Short throw lens	CP-X10000 CP-SX12000	3.0-4.4m(116"-173")	1.5 - 2.2	100°
Zoom: x1.5	CP-WX11000	3.2-4.7m(126"-186")	1.5 - 2.2	
SD-804 Standard lens	CP-X10000 CP-SX12000	4.4-5.8.m(175"-230")	2.2 - 2.9	100"
Zoom: x1.3	CP-WX11000	4.8-6.3m(189"-248")	2.2 - 2.9	
LL-805 Long throw lens	CP-X10000 CP-SX12000	5.7-10.7m(226"-419")	2.8 - 5.2	100"
Zoom: x1.8	CP-WX11000	6.2-11.5m(244"-453")	2.8 - 5.2	
UL-806 Ultra Long throw lens	CP-X10000 CP-SX12000	10.2-18.8m(402"-740")	5.0 - 9.2	100°
Zoom: x1.8	CP-WX11000	11.0-20.3m(433"-798")	5.0 - 9.2	



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-WX8240:1.5x
- * The projection distance above is for the CP-X8170.

360° Projection

Projectors can be installed facing any 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-WX8240 and CP-WU8440.



Lens Center Design

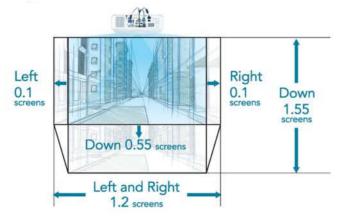
By aligning the center of the projector and the lens, the installation position of projector becomes simple during the design and construction of a facility.



Superior Lens Shift

Superior lens shift lets you choose the most convenient installation location, even for large spaces.

*The figure below are when CP-WU8460 and the standard lens ML-704 are used.

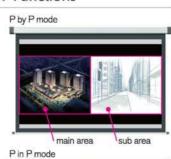


P by P / P in P Functions

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

* Not available with the CP-SX8350, CP-X8150, and CP-X8160.





CP-X8170



CP-WX8265



CP-WU8460









CP-X8160

XGA 6.000ln

CP-X8150

XGA 7.000

CP-WX8255

CP-WX8240

WXGA 4,000

WXGA 5,500lm

CP-WU8450 WUXGA 5,000lm

CP-SX8350 SXGA+ 5.000lr

CP-WU8440

Awarded models: CP-X8160, CP-WX8255, CP-WU8450, CP-X8150, CP-WX8240, CP-WU8440, CP-SX8350

The iF Design Award is a prestigious worldwide design award that began in 1953 in Germany, the origin of modern design. The 8000 series was awarded the iF Gold Award.

High Brightness and Image Quality that Excellently Express Images

ACCENTUALIZER

Hitachi original technology makes pictures look more real by enhancing (1) Sharpness, (2) Gloss and (3) Shade 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.

* Only for the CP-WU8460, CP-WX8265, and CP-X8170.



Original image

ACCENTUALIZER ON

Increased Shade, Sharpness, and Gloss

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

Comparison photos are simulations





High Efficiency Optical System

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



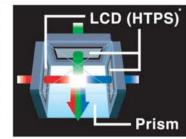
High Performance Filter

Projectors use a three-layer high performance filter that has 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.

* Varies according to usage environment.

Inorganic LCD panels

These 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)

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-WX8255 and CP-WU8450. It displays the present condition of the projector, including errors, setup information and error history.



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. 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)



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.



access point

Smart Device Control

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

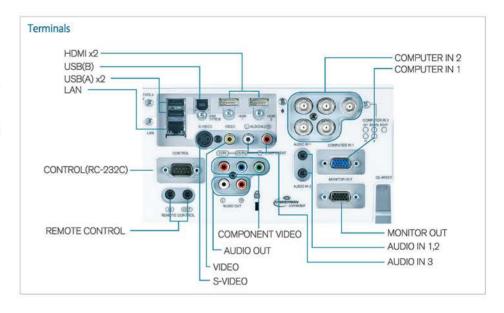
Hardware and software requirements for network capability OS: One of the following. Windows® XP Home Edition/Professional Edition (32bit version only), Windows Vista® Home Basic/Home Premium/Business/Ultimate/Enterprise, Windows® 7 Starter/Home Basic/Home Premium/Professional/Ultimate/Enterprise CPU: 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 conn under excessive load, higher specifications may be required

Digital connectivity

2 HDMI input

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

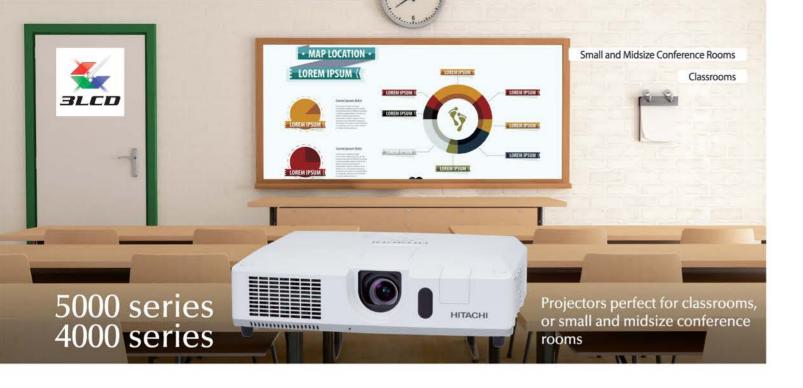


Variety of Interchangeable Lens Options

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-SX8350	1.7m(66")	0.8	
FL-701	CP-X8170,CP-X8160	1.7m(67")	0.8	
	CP-WU8460,CP-WU8450,CP-WU8440	1.7m(69")	0.8	
	CP-WX8265,CP-WX8255	1.8m(71")	0.8	1 章章 100"
	CP-X8150	2.1m(83")	0.8	
Fixed short throw lens Zoom:Fixed	CP-WX8240	2.2m(8.8")	0.8	
SL-702	CP-SX8350	2.4-3.7m(96"-144")	1.2 - 1.8	_
3L-702	CP-X8170,CP-X8160	2.5-3.7m(97"-145")	1.2 - 1.8	
	CP-WU8460,CP-WU8450,CP-WU8440	2.5-3.8m(100"-151")	1.2 - 1.8	
	CP-WX8265,CP-WX8255	2.6-3.9m(102"-154")	1.2 - 1.8	100"
	CP-X8150	3.1-4.6m(120"-181")	1.5 - 2.2	
Short throw lens Zoom: x1.5	CP-WX8240	3.2-4.9m(127"-192")	1.5 - 2.2	
ML-703	CP-SX8350	3.1-6.1m(121"-241")	1.5 - 3.0	
IVIL-705	CP-X8170,CP-X8160	3.1-6.2m(122"-242")	1.5 - 3.0	
	CP-WU8460,CP-WU8450,CP-WU8440	3.2-6.4m(127"-252")	1.5 - 2.9	
	CP-WX8265,CP-WX8255	3.3-6.5m(129"-257")	1.5 - 3.0	100"
	CP-X8150	3.9-7.7m(153"-303")	1.9 - 3.8	
Middle throw lens Zoom: x2.0	CP-WX8240	4.1-8.1m(162"-321")	1.9 - 3.8	
LL-704	CP-SX8350	5.8-9.9m(229"-389")	2.8 - 4.9	
LL-/OT	CP-X8170,CP-X8160	5.9-10.0m(231"-392")	2.8 - 4.9	
	CP-WU8460,CP-WU8450,CP-WU8440	6.1-10.3m(240"-407")	2.8 - 4.9	
	CP-WX8265,CP-WX8255	6.2-10.5m(244"-415")	2.8 - 4.9	100"
	CP-X8150	7.3-12.4m(288"-490")	3.6 - 6.1	
Long throw lens Zoom: x1.7	CP-WX8240	7.8-13.2m(305"-520")	3.6 - 6.1	
UL-705	CP-SX8350	9.9-16.8m(390"-662")	4.9 - 8.3	
OL-703	CP-X8170,CP-X8160	10.0-16.9m(393"-667")	4.9 - 8.3	
	CP-WU8460,CP-WU8450,CP-WU8440	10.3-17.6m(407"-691")	4.9 - 8.3	
	CP-WX8265,CP-WX8255	10.5-17.9m(415"-705")	4.9 - 8.3	100"
	CP-X8150	12.4-21.1m(487"-830")	6.0 - 10.3	
Ultra long throw lens Zoom: x1.7	CP-WX8240	13.1-22.3m(516"-879")	6.0 - 10.3	

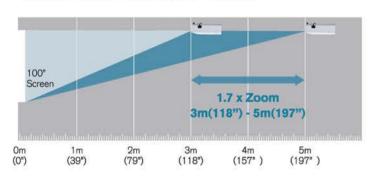
^{*} ML-703 comes standard on the CP-X8170, CP-X8160, CP-WU8460, CP-WU8450, CP-WU8440, CP-WX8265, and CP-WX8255. SL-702 comes standard on the CP-SX8350, CP-X8150, and CP-WX8240.



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.

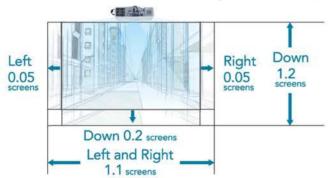
* The projection distance below is for the CP-X5022WN.



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.



Fail Safe function

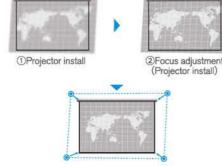


When ALTERNATE is selected and an error occurs on one projector causing the lamp to turn off, the other projector will automatically start to operate.

 If the RS-232C cable is disconnected or AC power is not supplied, the other projector will not turn on.

Perfect Fit

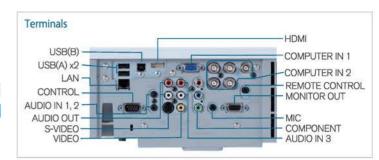
Perfect Fit allows you to make image adjustments by independently moving the individual corners and sides. Ideal for complex installations where sizing screen to image display is more difficult.



3Size and Position adjustment (Perfect fit)







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)



Wireless Capability(Option)

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



Smart Device Control

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

ECO

Saver Mode

This feature developed by Hitachi reduces the projector lamp brightness and consumption 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 returns to normal when a brighter image is projected, eliminating unnecessary energy consumption from the





Normal mode

Saver mode

Ensuring High Reliability and Stability

High Performance Filter

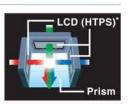
The high performance filter is made of two layers on unwoven cloth and lasts up to approximately 5,000 hours* without cleaning, reducing maintenance time.

*Varies according to usage environment



Inorganic LCD panels

These 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

Feature	es		3-Chip DLP®	1	I-Chip D	LP®		3 LCD							;	3 LCD						
			K series		9000 ser	ies	10	000 seri	es					8000 se	eries						00 series 00 series	
Model Name			CP-WU13K	CP-X9110 CP-X9111	CP-WX9210 CP-WX9211	CP-WU9410 CP-WU9411	CP-X10000	CP-WX11000	CP-SX12000	CP-X8170	CP-WX8265	CP-WU8460	CP-X8160	CP-WX8255	CP-WU8450	CP-SX8350	CP-X8150	CP-WX8240	CP-WU8440	CP-X5022WN	CP-X4022WN	CP-WX4022WN
	3G SDI	Equipped with an SDI input – the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable.	•																			
WARRIES HAVE	2 HDMl input	Equipped with 2 terminals for the current widely-used interface.	•	•		•				•	•	•	•	•	•	•	•	•	•			
Digital Connectivity	HDBaseT	Signals can be transmitted with no image degradation using standard LAN cables (Cat5e/6) up to 100m.		•		•																
	DVI	Connection via a digital DVI terminal greatly reduces image deterioration, ensuring highest possible picture quality digital sources. * CP-WU13K displays an image with the original input resolution in the center of the screen.	(STEREO DVI)	•		•	•	0	•													
	High Efficiency Optical System	Projectors achieve a brightness of the highest class in the industry by adopting a short arc length lamp with a small F-number lens.	(CIERCO DVI)			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	ACCENTUALIZER	Hitachi's original image enhancement technology that emphasizes shade, sharpness and gloss to achieve more vivid images. ACCENTUALIZER ON ACC		•	•	•				•	•	•										
High Brightness and Image Quality	HDCR	HDCR (High Dynamic Contrast Range) is Hitachi original technology that produces clear images in bright environments. Dark parts are obscure. Dark parts are obscure. Dark parts are obscure.		•	•	•																
	3-chip display device	This 3-chips system can project 3-primary-color (Red, Green, Blue) image continuously, and it 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.	•	•	•	•				•	•	•	•	•	•	•	•	•	•	•	•	•
	Edge Blending	Corrects the shape of images and 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 screens 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)	•	•	•				•	•		•	•	•		•	•		•	•	•
Installability and	Motorized Lens Shift	Lens shift is motorized and can be adjusted by keypad as well as remote control.	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•			
System Features	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 projector is simplified during the design and construction of a facility.		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
	Picture by Picture	Simultaneously project images from 2 inputs side-by-side. Pby Pmode Thirty images (via HDMI2 and another digital input) can be placed side-by-side.	•	• 1	• 1	• "1	•	•	•	• 1	• 1	• 1		•	•			•	•			

^{*1} Digital images (via HDMI2 and another digital input) can be placed side-by-side.

Feature	es		3-Chip DLP	⊗	1-Chip D)LP®		3 LCD								3 LCD						
			K series		9000 sei	ries	10	0000 ser	ies					8000 s	eries						00 series 00 series	
Model Name			СР-WU13К	CP-X9111	CP-WX9210 CP-WX9211	CP-WU9410 CP-WU9411	CP-X10000	CP-WX11000	CP-SX12000	CP-X8170	CP-WX8265	CP-WU8460	CP-X8160	CP-WX8255	CP-WU8450	CP-SX8350	CP-X8150	CP-WX8240	CP-WU8440	CP-X5022WN	CP-X4022WN	CP-WX4022WN
	Picture in Picture	Display an image from a different source in the sub-area. Pin P mode main area —sub area	•	•	•	•				•	•	•										
	360 Degree Projection	Projectors can be installed facing upwards, downwards, or other wide degree of orientations.		•	•	•				•	•	•	•	•	•							
Installability and System Features	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.		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	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.		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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 the projector projectors providing out of the box compatible industry standard solutions.		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
500	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).																		•	•	•
ECO	Intelligent Eco Mode	Automatically adjusts the output of the lamp to match the image signal. Lamp brightness is reduced for brighter images which reduces the power used by the lamp and leads to reduced power consumption of projectors.																		•	•	•
	High Performance Filter	Hitachi's multi-layer high performance filters reduce the burden of maintenance by extending the period between filter cleaning.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
High Reliability and Stability	Inorganic LCD	These 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 fail-safe mode is also available that makes recovery from a failed lamp fast. This mode immediately switches to the second lamp if the first stops functioning.	•	•	•	•																

Spec

		K series		9000 series			10000 series					80	000 series					5000 s	eries, 4000 s	series
Mode l na	me	CP-WU13K	CP-X9110 / CP-X9111	CP-WX9210 / CP-WX9211	CP-WU9410 / CP-WU9411	CP-X10000	CP-WX11000	CP-SX12000	CP-X8170	CP-WX8265	CP-WU8460 CP-X81	60 CP-WX8255	CP-WU8450	CP-SX8350	CP-X8150	CP-WX8240 CP-	-WU8440 C	CP-X5022WN	CP-X4022WN	CP-WX4022WN
Disp l ay sy	ystem	3-Chip DLP®	I	1-Chip DLP®			3 LCD					3 L	.CD						3 LCD	
Disp l ay s	Size of effective display area	0.96" DLP®	0.7" DLP® x 1	0.65" DLP® x 1	0.67" DLP® x 1	1.3" LCD x 3	1.22" LCD x 3	1.3" LCD x 3	0.79" LCD x 3	0.75" LCD x 3	0.76" LCD x 3 0.79" LCD	x3 0.75" LCD x3	0.76" LCD x 3	0.79" LCD x 3	0.63" LCD x 3	0.59" LCD x 3 0.76	6" LCD x 3 (0.63" LCD x 3	0.63" LCD x 3	0.59" LCD x 3
device	Number of pixels	2,304,000 pixels	786,432 pixels	1,024,000 pixels	2,304,000 pixels	786,432 pixels	1,092,800 pixels	1,470,000 pixels	786,432 pixels	1,024,000 pixels	2,304,000 pixels 786,432 pi	ixels 1,024,000 pixels	2,304,000 pixels	1,470,000 pixels	786,432 pixels	1,024,000 pixels 2,304	4,000 pixels 7	786,432 pixels	786,432 pixels	1,024,000 pixels
		1,920x1,200	1,024 x 768	1,280 x 800	1,920 x 1,200	1,024 x 768	1,366 x 800	1,400 x 1,050	1,024 x 768	1,280 x 800	1,920 x 1,200 1,024 x 7	68 1,280 x 800	1,920 x 1,200	1,400 x 1,050	1,024 x 768	1,280 x 800 1,92	20 x 1,200	1,024 x 768	1,024 x 768	1,280 x 800
Standard	lens	Optional	I	Optional			Optional				2.0x zoom lens (ML-703	3)	I	1.5:	x zoom lens(SL		x zoom lens (ML-703)		1.7x zoom lens	
	Zoom	Motorized		Motorized			Motorized					Moto	orized				(ME 700)		Manual	
	Focus	Motorized		Motorized			Motorized					Moto	orized						Manual	
	Lens shift	Motorized (V, H)		Motorized (V, H)			Motorized (V, H)					Motorize	ed (V, H)						Manual (V, H)	
Light sou	rce	465W x2		370W x2			350W			365W		33	OW			245W			245W	
Screen si	ze	80-500 inch		50-600 inch			40-700 inch					30-60	00 inch						30-300 inch	
Light out	out (Brightness)	13,000lm	10,000lm	8,50	600lm	7,500lm	6,500lm	7,000lm	7,000lm	6,500lm	6,000lm	5,500lm		5,000lm		4,000lm 4	1,200lm	5,000lm	4,00)Olm
Contrast	ratio	2,000:1 (Dynamic contrast)	2,000:1(Theater mode)	2,500:1 (TI	heater mode)	2,5	500:1 (Presentation mo	ode)				3,000:1 (Prese	entation mode)					3,000	1 (Presentation mo	ode)
Speaker		-		-			-			-				8W x 2 (stereo)					8W x 2 (mono)	
Terminals	5										I									
COM	MPUTER IN	Mini D-sub 15-pin connector x1/ 5BNC connector x1	Mini D-sub 15-	-pin connector x1/5BN	VC connector x1	Mini D-sub 15-	pin connector x2/5BN	NC connector x1			Mini	D-sub 15-pin connecto	or x1/5BNC conn	nector x1				Mini D-sub 15-pir	connector x1/5BN	IC connector x1
	NITOR OUT	-		i D-sub 15-pin connecto			i D-sub 15-pin connect					Mini D-sub 15-pi						'	sub 15-pin connec	
VIDI		-		BNC connector x1			onnector x1/BNC conn					RCA conn							RCA connectorx1	
	IDEO	-		-			NI DIN 4-pin connector					MINI DIN 4-pin							IN 4-pin connecto	rx1
	IPONENT VIDEO (Y, Cb/Pb, Cr/Pr)	3BNC x1/ 3RCA x1		-			3 RCA connector x1	-				3 RCA con							RCA connector x1	
	MIIN	HDMI connector x2		HDMI connector x2			HDMI connector x1					HDMI con							DMI connector x1	
	-D IN	DVI-D connector x1		DVI-D connector x1			DVI-D connector x1					-						<u> </u>	<u>-</u>	
	BaseT	_		RJ-45 connector ×1			-													
	DIO IN	_									2 PC	A connector x1/3.5mn	n(stereo) mini con	nector v0			2	PCA connector v	1/ 3.5mm(stereo) i	mini connector v ⁰
	DIO OUT	_		_			_				21107	2 RCA con		TICCIOI AZ					RCA connector x1	
MIC		_		<u> </u>								2 NGA COII							nono mini connec	
	NTROL IN (RS-232C)	D-sub 9-pin connector x1)-sub 9-pin connector x	·1		D-sub 9-pin connector	v1				D-sub 9-pin c							b 9-pin connector	
	NTROL IN (RS-232C)	Sub 9-pin connector X1	D	-sub 9-pin connector x	.1		D-sub 9-pin connector :					D-500 9-pin c						D=51		X I
LAN		RJ-45 connector x1		RJ-45 connector ×1			RJ-45 connector ×1					RJ-45 coni							I-45 connector ×1	
USE		-	1	USB type A connector x			- CONTRECTOR X I												type A connector	
USE		<u> </u>		USB type A connector x	XI		<u> </u>					USB type A c							type B connector	
	MOTE CONTROL IN	_	25	nm(stereo) mini connect	tor v1	2.5m	nm(stereo) mini connec	dor v1				3.5mm(stereo) m							tereo) mini connec	
	MOTE CONTROL IN	_		nm(stereo) mini connect			nm(stereo) mini connec					3.5mm(stereo) mi)IIIIIC.c	-	IOI X I
	temperature					0.0111	im(stereo) mini connec	COT X I				5.5mm(stereo) m	Ini connector x i						<u> </u>	
Operating	g temperature	0-40°C at altitude of 0-2,590m 0-20°C at altitude of 2,590-3,048m		C at altitude of 0-1,6 C at altitude of 1,600-			5-35℃				0-45℃			0-35℃		0-40℃			at altitude of 0-1 altitude of 1,600	
Operating	g humidity (RH)	10-95%RH (non-condensing)	10-8	80%RH (non-conder	nsing)	10-8	85%RH (non-conde	nsing)				10 - 85%RH (no	n-condensing)					10 - 85	%RH (non - cond	ensing)
Power red	quirements	AC100-240V(50Hz/60Hz) (SW)	AC	C100-240V(50Hz/60	OHz)	AC	100 - 240V(50Hz/60	OHz)				AC100-240V((50Hz/60Hz)					AC1	00-240V(50Hz/6	60Hz)
Maximum	power consumption	AC100-120V: 1,230W AC220-240V: 1,250W	AC100-120	0V:1,060W AC220-2	240V: 990W	AC100-12	20V:540W AC220-2	240V:520W	AC100-120V	/:500W AC220	-240V:480W	AC100-120V:480W	/ AC220-240V	:455W	AC100-120)V:375W AC220-240	V:355W	AC100-120\	:370W AC220-2	240V:350W
Standby n	node power consumption	Less than 3W		Less than 0.5W			15W (ref.)				1	Less th	an 0.35W						0.5W	
Standard (W x H x	outside dimensions D)	500mm x 633mm x 270mm (19.7" x 24.9" x 10.6") (Excluding lens and protruding part)		0mm x 438mm (21.1" ding l ens and protrudi			x 469mm (18.74" x ing lens and protrudir	,			498n	nm x 135mm x 396n (Excluding pro		' x 15.6")			2		n x 318mm (15.8 uding protruding	3" x 4.1" x 12.5") part)
		270mm (10.6") 633mm (24.9")		7mm 1.1")	170mm (6.7") /438mm (17.2")	476mm (18.74°		272mm (10.71") / 469mm (18.46")		498mm (19.6")	13 (5. 396mm (15.6")	85mm 3")		498mi (19.6'		396mm (15.6")		401mm	15.8")	103mm (4.1") /318mm (12.5")
Weight		Approx. 34.0kg (74.9lbs.) (Excluding lens)	Approx	16.6kg (35.3lbs.) (Exclu	uding lens)	Approx.1	13.1kg (28.9lbs.) (Exclu	iding lens)		Approx. 8.8	kg (19.4lbs.)	Approx. 8.7kg (19.2lbs.)	Approx. 8.8kg (19.4lbs.)	Approx. 8.7kg (19.2lbs.)	Appro.		orox. 8.7kg 19.2lbs.)	A	prox. 4.6kg (10.1lb	s.)
Features	Filter cleaning interval *2	1,000h		15,000h			10,000h				20,000h		1		15,	5,000h			4,000h	
Accessor	_	Remote control with batteries, Power cord, RS232C cable (cross), User manual		ontrol with batteries, F able, Adapter cover, A			ntrol with batteries, Pole, Lens adapter, He				Remoi	te control with batter Adapter cover, Le			,					rd, Computer cable, D, Hexagon wrench
*2 This inte	erval depends on the			ient temperature exceed the lamp is reduced auto																
				,	,-															
26																				

Lens Spec

K series

Model	Ι.		- 1	tem							. 0	m									ir	ich			- - 532 708 1061	
			Scr	een s	ize		FL-K01	FL-K02	SL-	К03	ML	-K04	LL-	K05	UL-	K06	FL-K01	FL-K02	SL-	K03	ML	K04	LL-	K05	UL-	K06
		Туре	H(m)	H(r)	V(m)	VC)	fix.	fix.	min.	max.	min.	max.	min.	max.	min.	max.	fix.	fix.	min.	max	min.	max.	min.	max.	min.	max.
		80	1.7	68	1.1	42	1.3	-	-	=	-	-	-	-	1940	-	51	-	-	-	-	-	(- 0	34	34	-
CP-WU13K	₽.	100	22	86	1.3	53	1.6	14	=	-	4.1	5.6	7=1	1=5	(4)		62	(-)	_	-	163	221	-	? - :	? - :	-
Assert ratio	Projection	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	:-:	63=0	532	888
Aspect ratio 16:10		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	245	241	323	321	438	437	709	708	1183
	distance	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	19-	293	358	481	480	655	654	1062	1061	1773
	8	400	8.6	839	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	266	.ec	12.3	15.1	20.3	150	-	27.6	44.9	44.9	75.0	0.70	483	594	799	-	-	1088	1767	1767	2954
		1	hrov	v rati	0		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	Ι.		ı	tem								r	n		v.									Inc	h					
			Scr	een s	size		USL	-901	SL-	902	SD-9 SD-1	903X 903W	ML-	904	LL-	905	UL-	906	USL	-901	SL-	902	SD-9 SD-9	XEOS WEO	ML-	904	LL-	905	UL-	906
		Туре	H(m)	He)	V (m)	۷ ۴)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	тах.	min.	max.	min.	max.	min.	тах.	min.	max.	min.	max.	min.	max
		80	1.6	64	1.2	48	1.3	1.7	20	3.0	28	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
CP-X9110	[₹	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
CP-X9111	Projection	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	109
Aspect ratio		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	145
	distance	300	6.1	240	4.6	180	5.0	6.2	7.5	11.1	10.4	15.6	15.3	23.3	224	36.1	34.7	55.2	195	243	293	436	410	615	603	918	881	1419	1366	217
	ě	400	8.1	920	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	289
		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	1591	1471	2368	2270	361
	L		Thro	w rat	io		8.0	1.0	1.2	1.8	1.7	2.5	2.5	3.8	3.6	5.8	5.7	9.1	8.0	1.0	1.2	1.8	1.7	25	2.5	3.8	3.6	5.8	5.7	9.1
	Π	80	1.7	68	1.1	42	1.4	1.8	21	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
CP-WX9210	광.	100	22	85	1.3	53	1.8	2.2	27	4.0	3.7	5.6	5.5	8.3	0.8	12.9	126	20.0	71	88	105	156	147	220	216	329	314	506	496	786
CP-WX9211	rojection	150	3.2	127	2.0	79	2.7	3.3	4.0	6.0	5.6	8.4	8.2	12.5	120	19.3	18.8	29.8	105	131	168	234	220	330	324	493	472	761	739	117
Aspect ratio 18:10		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	156
	distance	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	233
	®	400	8.6	839	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	311
		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	388
		5	Thro	w nat	io		8.0	1.0	1.2	1.8	1.7	26	2.5	3.8	3.7	5.9	5.8	9.2	8.0	1.0	1.2	1.8	1.7	26	2.5	3.8	3.7	5.9	5.8	9.2
	П	80	1.7	68	1.1	42	1.4	1.7	20	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
CP-WU9410	B	100	22	85	1.3	53	1.7	2.1	2.5	3.8	3.5	5.3	5.2	7.9	7.6	12.2	120	19.0	67	84	100	149	140	209	205	313	298	482	472	749
CP-WU9411	Projection	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	111
Aspect ratio 16:10		200	4.3	170	2.7	106	3.4	42	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	148
1.77777	distance	800	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	222
	100	400	8.6	839	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	296
		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	370
			Thro	w rat	io		8.0	1.0	1.1	1.7	1.6	2.4	2.4	3.6	3.5	5.6	5.5	8.8	8.0	1.0	1.1	1.7	1.6	2.4	24	3.6	3.5	5.6	5.5	8.8

10000 series

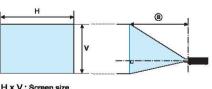
Model			- 1	tem								ľ	n											In	ch					
			Scr	een s	ize		US	-801	SL-	802	SL-	803	SD-	804	Щ-	805	UL-	806	USL	-801	SL-	802	SL-	803	SD-	804	LL-	805	UL-	806
		Туре	H(m)	He	V(m)	V۳۵	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.										
Ì		80	1.6	64	1.2	48	0.8	0.9	2.0	2.4	2.3	3.5	3.5	4.6	4.6	8.5	8.1	15.0	31	37	78	95	92	137	139	183	180	334	319	590
CP-X19000	P.	100	2.0	80	1.5	60	1.0	1.2	2.5	3.0	3.0	4.4	4.4	5.8	5.7	10.7	10.2	18.8	39	47	99	119	116	173	175	230	226	419	402	740
CP-SX12000 Aspect ratio	ection	150	3.0	120	2.3	90	1.5	1.8	3.8	4.6	4.5	6.6	6.7	8.8	8.7	16.1	15.4	28.3	60	72	149	181	176	261	266	347	343	633	607	1114
4:8	슳	200	4.1	160	3.0	120	2.1	2.5	5.1	6.1	6.0	8.9	9.0	11.8	11.7	21.5	20.6	37.8	81	97	200	242	237	349	356	464	460	846	812	1488
		300	6.1	240	4.6	180	3.1	3.7	7.7	9.3	9.1	13.3	13.6	17.8	17.6	32.3	31.1	56.8	123	146	302	364	357	525	537	699	693	1272	1233	2236
	8	400	8.1	820	6.1	240	4.2	5.0	10.3	12.4	12.1	17.8	18.2	23.7	23.5	43.1	41.5	75.8	165	196	404	487	477	701	718	934	926	1699	1633	2985
	, 40,000	500	10.2	400	7.6	300	5.2	6.2	12.9	15.5	15.2	22.3	22.8	29.7	29.5	54.0	51.9	94.8	207	245	506	609	597	877	899	1168	1160	2125	2044	3733
		Thro	w rati	0		0.5	0.6	1.2	1.5	1.5	2.2	2.2	2.9	2.8	5.2	5.0	9.2	0.5	0.6	1.2	1.5	1.5	2.2	2.2	2.9	2.8	5.2	5.0	9.2	
Î	Γ	80	1.8	69	1.0	41	0.9	1.0	2.1	2.6	2.5	3.8	3.8	5.0	4.9	9.2	8.8	16.2	34	40	84	103	100	148	150	198	194	361	345	636
CP-WX11000	Pg.	100	2.2	86	1.3	51	1.1	1.3	2.7	3.3	3.2	4.7	4.8	6.3	6.2	11.5	11.0	20.3	43	51	106	129	126	186	189	248	244	453	433	798
Aspect ratio 17:10	ection	150	3.3	129	1.9	76	1.7	2.0	4.1	5.0	4.8	7.1	7.3	9.5	9.4	17.3	16.6	30.5	65	78	161	195	190	281	287	375	370	683	655	1201
	Ι α.	200	4.4	172	2.6	101	2.2	2.7	5.5	6.6	6.5	9.6	9.8	12.7	12.6	23.2	22.2	40.8	88	104	216	262	255	376	384	502	496	913	876	1605
	配配	300	6.6	259	3.9	152	3.4	4.0	8.3	10.0	9.8	14.4	14.7	19.2	19.0	34.9	33.5	61.2	133	158	326	394	385	566	580	755	748	1373	1318	2411
	(e)	400	8.8	345	5.2	203	4.5	5.4	11.1	13.4	13.1	19.2	19.7	25.6	25.4	46.5	44.7	81.7	178	211	436	526	514	756	775	1009	999	1832	1761	3218
		500	10.9	431	6.4	254	5.7	6.7	13.9	16.7	16.4	24.0	24.6	32.1	31.8	58.2	56.0	102.2	223	264	546	659	644	946	970	1262	1251	2292	2203	4025
			Thro	w rati	o		0.5	0.6	1.2	1.5	1.5	2.2	2.2	2.9	2.8	5.2	5.0	9.2	0.5	0.6	1.2	1.5	1.5	2.2	2.2	2.9	2.8	5.2	5.0	9.2

8000 series

Model	Γ		Item		-					m									inch				
		8	Screen s	ize		FL-701	SI-	702	ML-	200000	LL-	704	UL-	705	FL-701	SL-	702	ML-	703	111-	704	UL-	705
		303	H(m) H(r)	210	V۲)	flx	min.	max.	min.	max.	min.	max.	min.	max.	flx	min.	max.	min.	max.	min.	max	min.	max.
	Н	6/6/24	1.6 64	1.2	48	1.4	2.0	3.0	2.5	4.9	4.7	0.8	8.0	13.6	54	77	116	98	194	185	313	316	535
CP-X8170	₹	100 5	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
CP-X8160	Projection distance	300000	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
Aspect ratio 4:3	18		4.1 160	3.0	120	3.4	4.9	7.4	6.2	123	11.7	20.0	19.7	33.6	132	192	289	244	484	461	787	775	1324
	isi s		8.1 240	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
	(B)		B.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
			0.2 400	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
	Н		nrow rati			1.0	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3	1.0	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3
	H		Ť	1.2	48					1.00.000			-										\vdash
	l _⊸					1.4	2.0	2.9	2.5	4.9	4.7	7.9	8.0	19.5	53	77	115	97	193	183	311	314	591
CP-SX8350 Aspect ratio	Projection distance	3/ -	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
43	를	102237	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
	탏	(C) (C) (C)	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	761	769	1314
		A 100 00 00	8.1 240	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
	0		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
	⊢		0.2 400 nrow rati	7.6	300	8.3	12.1	18.2	16.4	30.5	29.1	49.6	48.4	83.1	325	475	717	605	1200	1144	1955	1906	3272
	<u> </u>	11	nrow rau	0		1.0	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3	1.0	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3
	_	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
CP-WX8255 CP-WX8265	Projection distance	100 5	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	416	705
Aspect ratio	ള	160	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	365	366	624	617	1053
16:10	탏	200 4	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
	1 2 2	900 6	8.5 254	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
	(e)	400 8	8.6 939	5.4	212	7.0	10.9	15.5	13.1	26.0	24.8	424	41.3	71.0	278	405	612	517	1025	976	1668	1628	2793
	<u> </u>	16.00	0.8 424	8.7	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
	느	Th	nrow rati	0		1,0	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3	1,0	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3
	_	80	1.7 68	1.1	42	1.4	2.0	3.1	2.6	5.1	4.9	8.3	8.8	14.1	56	80	121	101	202	192	325	328	555
CP-WU8450	Projection	100	2.2 86	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
CP-WU8440 CP-WU8460	월	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
Aspect ratio 16:10	럂	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
	distance	300	8.5 254	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
	ě	400 8	8.6 839	5.4	212	6.6	10.1	15.2	12.8	25.5	24.8	41.5	40.5	69.6	272	397	600	506	1005	957	1635	1596	2739
	ᆫ	500 1	0.8 424	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
		Th	nrow rati	0		1.0	1.2	1.8	1.5	2.9	2.8	4.9	4.9	8.3	1.0	1.2	1.8	1.5	2.9	2.8	4.9	4.9	8.8
		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
CP-X8150	Pog	100	2.0 80	1.5	60	21	3.1	4.6	3.9	7.7	7.3	124	124	21.1	83	120	181	153	303	288	490	487	830
Aspect ratio 4:3	Projection	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
	1 =	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
	distance	300	8.1 240	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
	e	400 8	B.1 820	6.1	240	8.3	12.1	18.3	16.6	30.7	29.2	50.0	48.7	83.6	327	478	721	610	1208	1151	1967	1918	3293
		500 1	0.2 400	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
		Tř	nrow reti	٥		1.0	1.5	2.2	1.9	8.8	3.6	6.1	6.0	10.3	1.0	1.5	22	1.9	3.8	3.6	6.1	6.0	10.3
	Г	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
CP-WX8240	Po	100	2.2 86	1.3	53	22	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
Aspect ratio 16:10	Projection distance	160	3.2 127	2.0	79	3.3	4.8	7.3	6.2	122	11.6	19.8	19.5	33.4	131	191	287	243	481	458	780	769	1314
	ğ	200 4	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
	Stanc	300 6	8.5 254	4.0	159	6.6	9.7	14.6	12.3	24.4	23.2	39.7]38.8	66.5	260	380	673	485	961	915	1563	1527	2619
	®	400 8	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 1	0.8 424	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
		Th	nrow rati	o		1.0	1.5	2.2	1.9	3.8	3.6	6.1	6.0	10.3	1.0	1.5	22	1.9	3.8	3.6	6.1	6.0	10.3

Model	L		Scn	en s	ize		n	п	ir	nch	Model
		Туре	H(m)	Hea	V(m)	V(°)	min.	max.	min.	max.	2740000000
	.₹	80	1.6	64	1.2	48	2.4	4.0	94	157	
CP-X5022WN	Projection distance @	100	2.0	80	1.5	60	3.0	5.0	118	197	CP-WX40Z
CP-X4022WN	<u>8</u>	160	3.0	120	2.3	90	4.5	7.5	179	297	
Aspect ratio 4:3	曹	200	4.1	160	3.0	120	6.1	10.1	239	396	Aspect ratk 16:10
110	(0)	300	6.1	240	4.6	180	9.1	15.1	360	596	
	Г	T	hrow	ratio	,		1.5	2.5	1.5	2.5	

Model		S	creer	ı size			п	n	ir	ıch
57-90-90-90-90-90-		Туре	Hom	H(C)	V(m)	Ve	min.	max.	min.	max
	Pro	80	1.7	68	1.1	42	2.6	4.3	103	171
CP-WX40ZZWN	Projection	100	2.2	85	1.3	63	3.3	5.5	129	215
CP-WX40ZZWN Aspect ratio	n di	150	8.2	127	2.0	79	5.0	8.2	195	323
16:10	distance	200	4.3	170	2.7	106	6.6	11.0	261	432
	(a)	300	8.6	264	4.0	159	10.0	16.5	393	650
		Т	hrow	ratio	,	*	1.5	2.5	1.5	25



H x V : Screen size

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

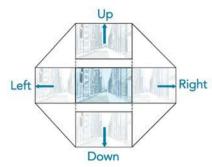
Lens Shift (for upside-down installation)

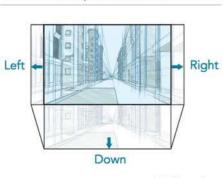
Vertical or horizontal distance from the center of the projected image to the point where the lens axis intersects the screen. Illustrations below show the range of LENS SHIFT when the projector is installed upside down such as ceiling mount.

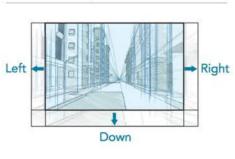
K, 10000 series

9000, 8000 series

5000, 4000 series







Kseries

		FL-K01	FL-K02	SL-K03	ML-K04	LL-K05	UL-K06
	Left/Right	n/a	0~±10%	0~±10%	0~±10%	0-±10%	0~±10%
CP-WU13K	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	Left/Right	0-±10%	0-±10%	0-±10%	0-±10%	0-±10%	0-±10%
CP-X9111	Down	0-50%	0-55%	0-55%	0-55%	0-55%	0-55%
CP-WX9210	Left/Right	0-±10%	0-±10%	0-±10%	0-±10%	0-±10%	0-±10%
CP-WX9211	Down	0-55%	0-65%	0-65%	0-65%	0-65%	0-65%
CP-WU9410	Left/Right	0-±10%	0-±10%	0-±10%	0-±10%	0-±10%	0-±10%
CP-WU9411	Down	0-50%	0-60%	0-60%	0-60%	0-60%	0-60%

10000 series

		USL-801	SL-802	SL-803	SD-804	LL-805	UL-806
CD 1440000	Up	0%(Fixed)	0-85%	0-85%	0-85%	0-85%	0-85%
CP-X10000 CP-SX12000	Left/Right	0%(Fixed)	0-±60%	0-±60%	0-±60%	0-±60%	0-±60%
CI -3X12000	Down	0%(Fixed)	0-85%	0-85%	0-85%	0-85%	0-85%
	Up	0%(Fixed)	0-125%	0-125%	0-125%	0-125%	0-125%
CP-WX11000	Left/Right	0%(Fixed)	0-±60%	0-±60%	0-±60%	0-±60%	0-±60%
	Down	0%(Fixed)	0-125%	0-125%	0-125%	0-125%	0-125%

8000 series

		FL-701	SL-702	ML-703	LL-704	UL-705
CP-X8170	Left/Right	0%(Fixed)	0-±10%	0-±10%	0-±10%	0-±10%
CP-X8160	Down	0%(Fixed)	0-40%	0-50%	0-40%	0-40%
CP-SX8350	Left/Right	0%(Fixed)	0-±10%	0-±10%	0-±10%	0-±10%
CF-3A0330	Down	0%(Fixed)	0-40%	0-50%	0-40%	0-40%
CP-WX8255	Left/Right	0%(Fixed)	0-±10%	0-±10%	0-±10%	0-±10%
CP-WX8265	Down	0%(Fixed)	0-50%	0-55%	0-50%	0-50%
CP-WU8450	Left/Right	0%(Fixed)	0-±10%	0-±10%	0-±10%	0-±10%
CP-WU8440 CP-WU8460	Down	0%(Fixed)	0-50%	0-55%	0-50%	0-50%
CP-X8150	Left/Right	0%(Fixed)	0-±50%	0-±50%	0-±50%	0-±50%
CP-X0150	Down	0%(Fixed)	0-60%	0-60%	0-60%	0-60%
CP-WX8240	Left/Right	0%(Fixed)	0-±50%	0-±50%	0-±50%	0-±50%
C1 - 11/10240	Down	0%(Fixed)	0-75%	0-75%	0-75%	0-75%

5000 series, 4000 series

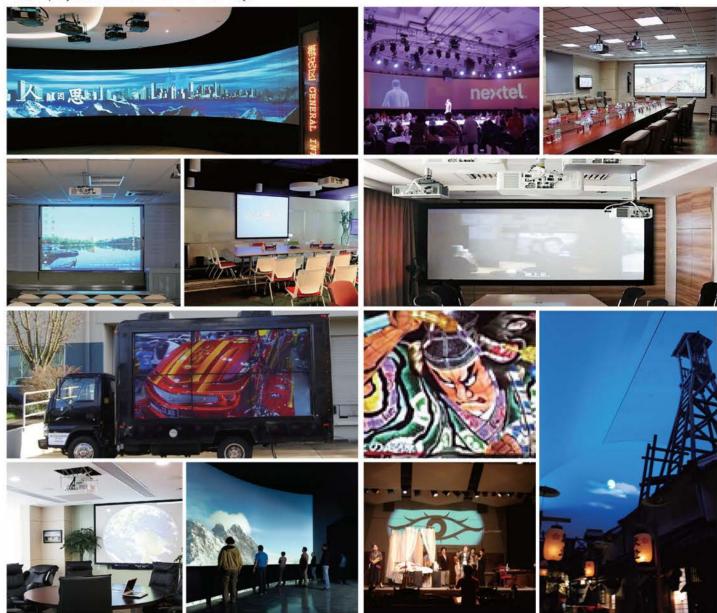
CP-X5022WN	Left/Right	0-±5%
CP-X4022WN	Down	30-50%
CD 110/10001101	Left/Right	0-±5%
CP-WX4022WN	Down	36-60%

Option

	3-Chip DLP®	1-Chip DLP®	3 LCD				3 LCD	
	K series	9000 series	10000 series		8000	series		5000 series, 4000 series
Model name	CP-WU13K	CP-X9110/CP-X9111 CP-WX9210/CP-WX9211 CP-WU9410/CP-WU9411	CP-X10000 CP-WX11000 CP-SX12000	Constitution of the Consti	CP-X8160 CP-WX8255 CP-WU8450	CP-SX8350	CP-X8150 CP-WU8440 CP-WX8440	CP-X5022WN CP-X4022WN CP-WX4022WN
Lamp	DT01591	DT01581	DT01001	DT01471	DTO	1291	DT01281	DT01171 (including a filter unit)
Filter set	MU08321 (for front), MU08331 (for rear)	UX39551	MU06351	UX38242	UX38241	MU06642	MU06642	MU07791
Lens unit (K/900/1000 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) 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)	USL-801 (Ultra short throw lens) SL-802 (Short throw lens) SL-803 (Short throw lens) SD-804 (Standard lens) LL-805 (Long throw lens) UL-806 (Ultra long throw lens)	SL-702 (S ML-703 () LL-704 (L	Fixed short the Short throw le Middle throw long throw le Ultra long thr	ens) lens) ens)		¥
Mounting accessory	HAS-13K (Bracket for ceiling mount)	HAS-9110 (Bracket for fixing mount)	HAS-10000 (Bracket for fixing mount)	(HAS-l Bracket for t	3150 fixing mount))	HAS-3010 (Bracket for fixing mount)
		HAS-204L (Standard adapter for fixing mount)	HAS-204L (Standard adapter for fixing mount)	(Stan	HAS- dard adapter	204L for fixing m	ount)	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)	(Lo	HAS-i	304H or fixing mou	int)	HAS-304H (Long adapter for fixing mount)
USB wireless adapter	(2)	USB-WL-11N	(2)		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 projector on again for ten minutes after shutdown. Neglect can shorten the lifetime or the lamp. During use and immediately after use, do not touch anywhere near the lamp and the vents as these parts are extremely hot.
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