

Projectors Installation series



Providing advanced functionality
with flexible installation features

HITACHI

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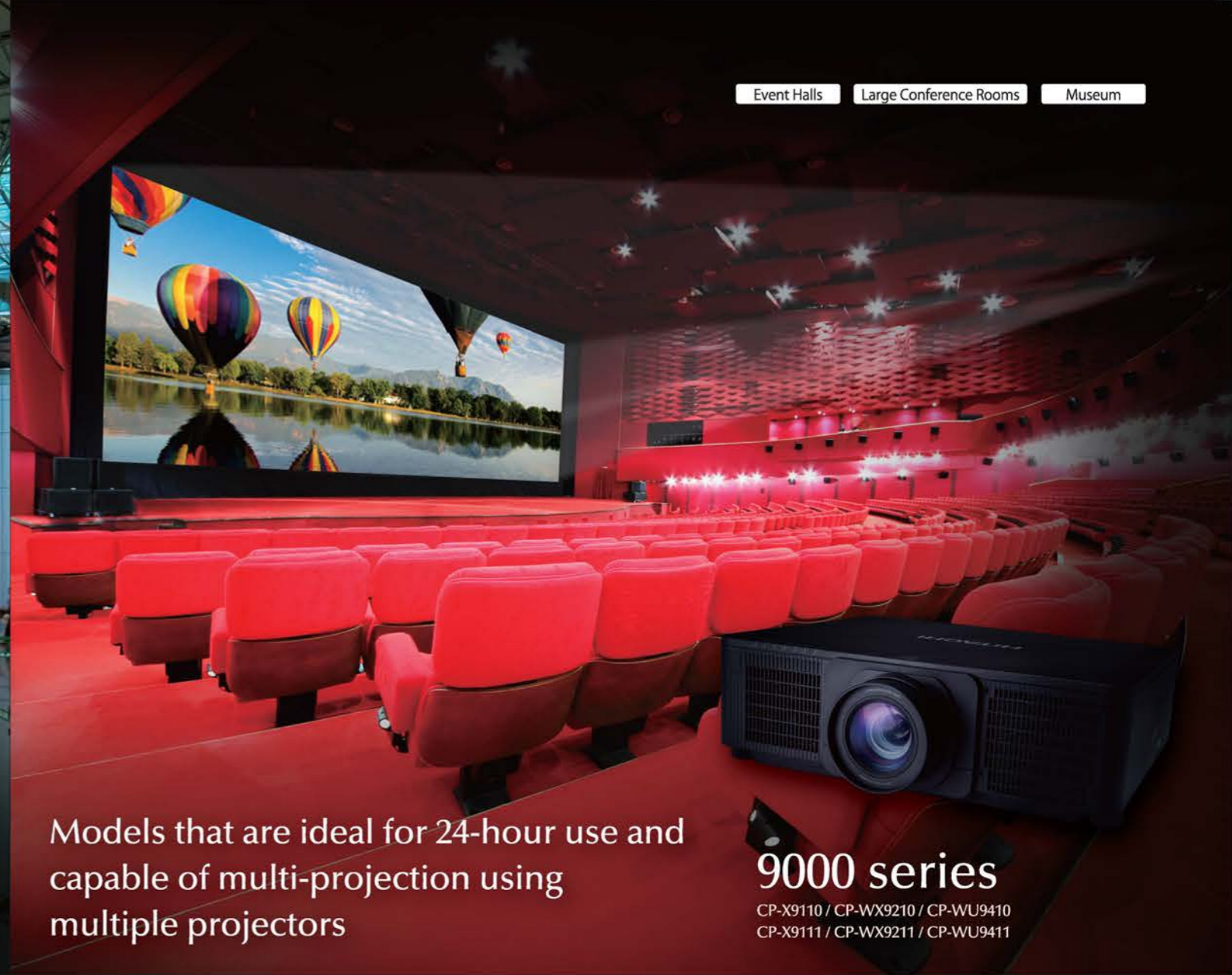




A model that projects high-definition images with vivid colors on to powerful large screens

K series

CP-WU13K



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

9000 series

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



Models capable of industry-leading lens shift that make installation in various places a possibility

10000 series

CP-X10000 / CP-WX11000
CP-SX12000

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



5000 series 4000 series

CP-X5022 WN / CP-X4022WN
CP-WX4022WN



Models with a slim design that blend seamless with ceilings

8000 series

CP-X8170 / CP-WX8265 / CP-WU8460
CP-X8160 / CP-WX8255 / CP-WU8450
CP-SX8350 / CP-X8150 / CP-WX8240
CP-WU8440



K series

9000 series

10000 series

8000 series

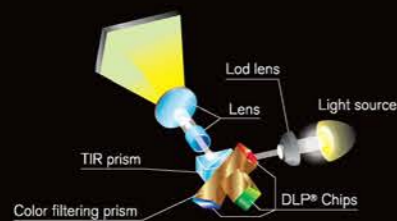
5000 series 4000 series



Model Name	CP-WU13K	CP-X9110 CP-X9111	CP-WX9210 CP-WX9211	CP-WU9410 CP-WU9411	CP-X10000	CP-WX11000	CP-SX12000	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	
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 x 1,200	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 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 x2	370W x2			350W			365W			330W			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)	537mm x 170mm x 438mm (21.1" x 6.7" x 17.2") (Excluding lens and protruding part)			476mm x 272mm x 469mm (18.74" x 10.71" x 18.46") (Excluding lens and protruding part)			498mm x 135mm x 396mm (19.6" x 5.3" x 15.6") (Excluding protruding part)										401mm x 103mm x 318mm (15.8" x 4.1" x 12.5") (Excluding protruding part)			
Weight	Approx. 34.0kg (75.0lbs.) (Excluding lens)	Approx. 16.6kg(35.3lbs.) (Excluding lens)			Approx. 13.1kg (28.9lbs.) (Excluding lens)			Approx. 8.8kg (19.4lbs.)			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.)	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			Superior Lens Shift High Performance Filter Ultra Short Lens Inorganic LCD panels Motorized Zoom , Focus and Lens Shift			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			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			2 HDMI input 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				

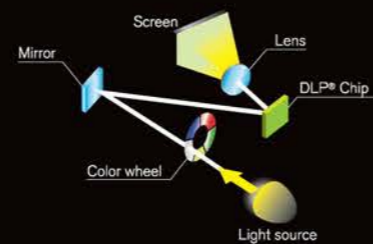
3-Chip DLP®

Each chip is 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.



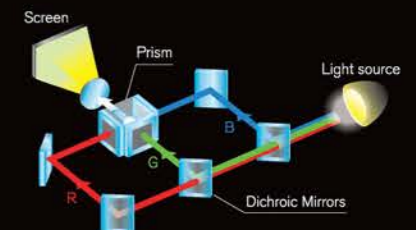
1-Chip DLP®

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.



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



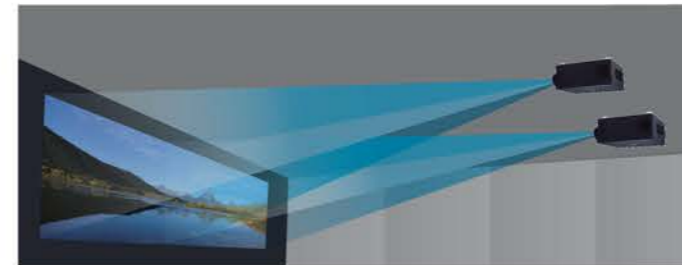
Project images with vivid colors with high-definition on large screens. The bright 13,000-lumen flagship model with Full HD support.

CP-WU13K
WUXGA 13,000lm



Advanced Installability and System Features for Various Uses

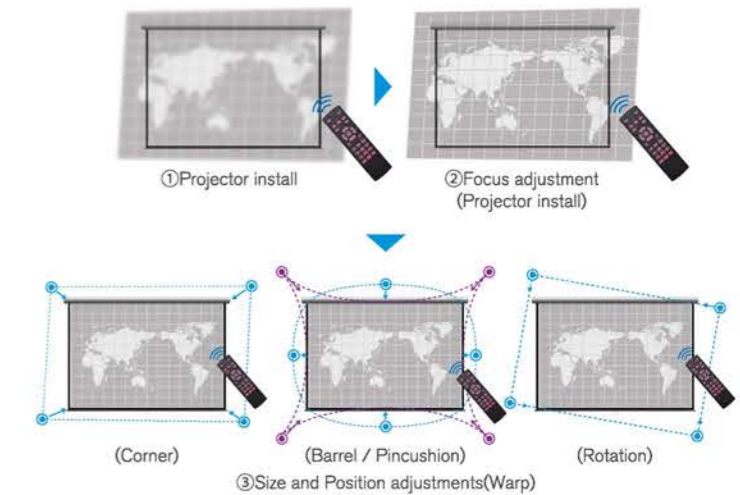
Edge Blending



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

Powered Focus and Warp

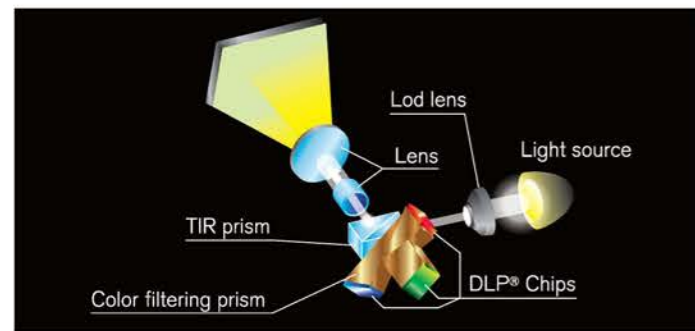
Equipped with powered focus and Warp with which the position of the four corners, four sides and rotation of a projected image can be adjusted. With the remote controller at hand, you can adjust focus and the position of an image.



High Brightness and Image Quality That Deliver Bright Vivid Colors

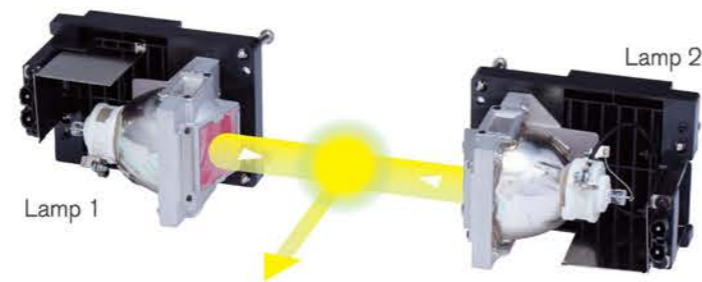
3-Chip DLP®

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.



Dual Lamp

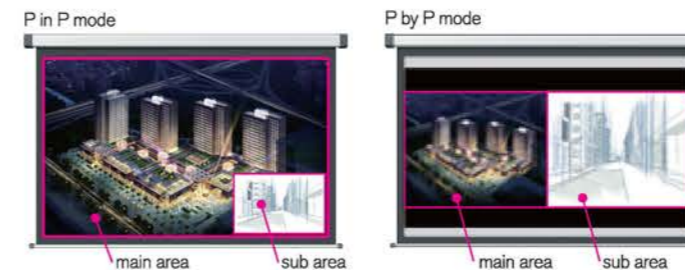
Equipped with a dual lamp system that achieves a high brightness of 13,000lm. The period between lamp maintenance can be doubled by using the single lamp mode, which automatically chooses and turns on the lamp with the least amount of time used.



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.

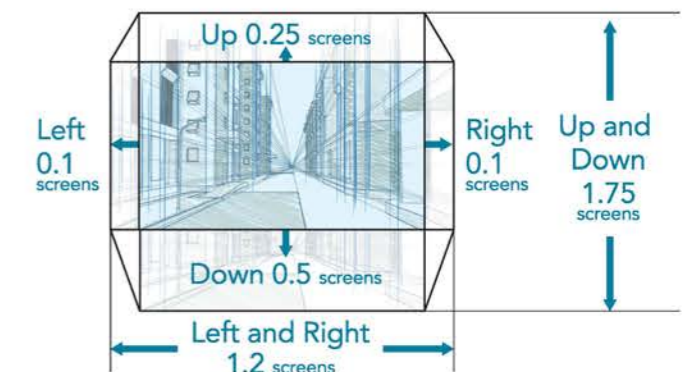
* Depending on the input signal, some combinations of simultaneous displays may not be available.



Superior Lens Shift

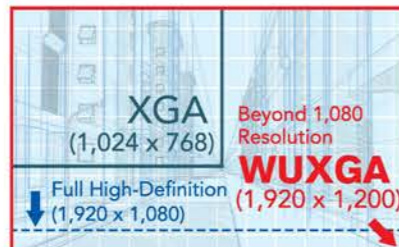
Superior lens shift lets you choose the most convenient installation location, even for large spaces. The figure shows the lens shift range at ceiling mounting position.

* Not available with FL-K01 lens.



WUXGA

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



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



Lamp Power mode is useful to keep same brightness as all projectors for multiple projection.

Digital connectivity

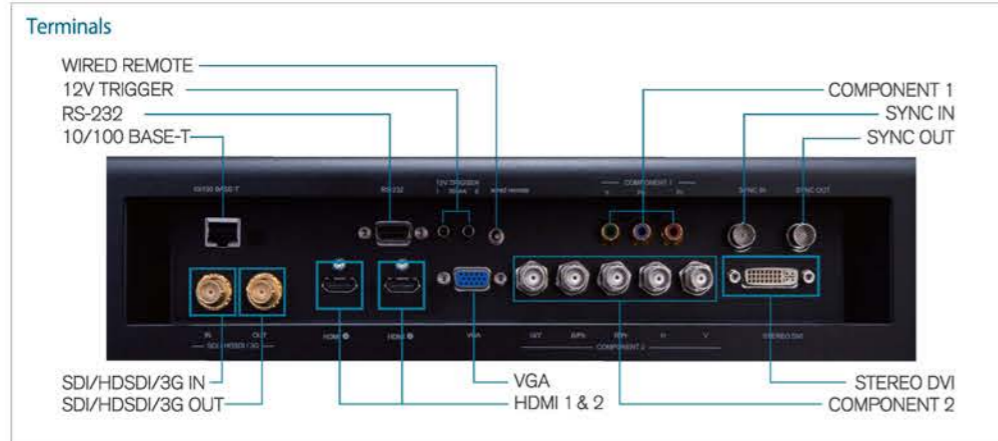
4 Digital Inputs

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.

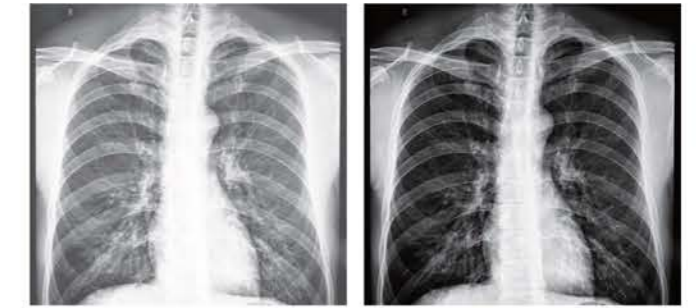


High Brightness and Image Quality that Excellently Express Images

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.



[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	
FL-K02 Short throw lens Fixed zoom	5.0m	1.12	
SL-K03 Short throw zoom lens Zoom: x1.3	6.1-8.2m	1.39 - 1.87	
ML-K04 Standard zoom lens Zoom: x1.3	8.2-11.1m	1.87 - 2.56	
LL-K05 Long throw zoom lens Zoom: x1.6	11.1-18.0m	2.56 - 4.16	
UL-K06 Ultra long throw zoom lens Zoom: x1.6	18.0-30.0m	4.16 - 6.96	



Event Halls Large Conference Rooms Museum

9000 series

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



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



CP-X9110
XGA 10,000lm



CP-WX9210
WXGA 8,500lm



CP-WU9410
WUXGA 8,500lm



CP-X9111
XGA 10,000lm



CP-WX9211
WXGA 8,500lm



CP-WU9411
WUXGA 8,500lm

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 by 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 (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.



HDCR (High Dynamic Contrast Range)

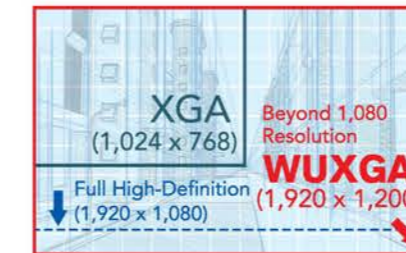


When average projectors are used in bright rooms, the darker colors of an image deteriorate and images become unclear. Using this function, blurred images caused by room lighting or outside light sources are corrected, and an effect similar to increasing contrast occurs. This results in clear images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



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

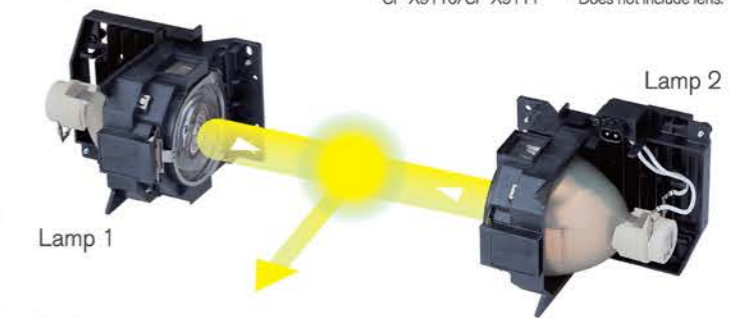
The DICOM® (Digital Imaging and Communications in Medicine) Simulation Mode projects grayscale images which approximate DICOM® Part 14 specifications. This mode is ideal for viewing grayscale medical images, such as X-rays, for training and educational purposes.

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 diagnosis. Comparison photos are simulations.



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



Brightness

Lamp		CP-X9110	CP-WX9210, CP-WU9410
		CP-X9111	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.



Equalizing Gamma/Color Balance

Easily perform gamma and color balance adjustments while viewing images.



Advanced Installability and System Features for Various Uses

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.

Instant Blending



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

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

HDBaseT

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

Terminals



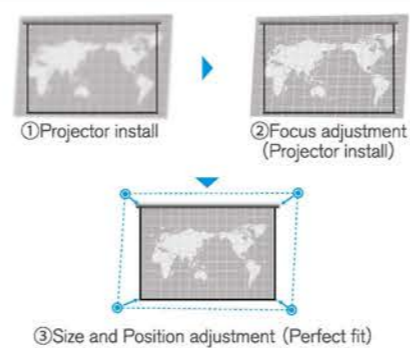
Geometric Correction (Warping)

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

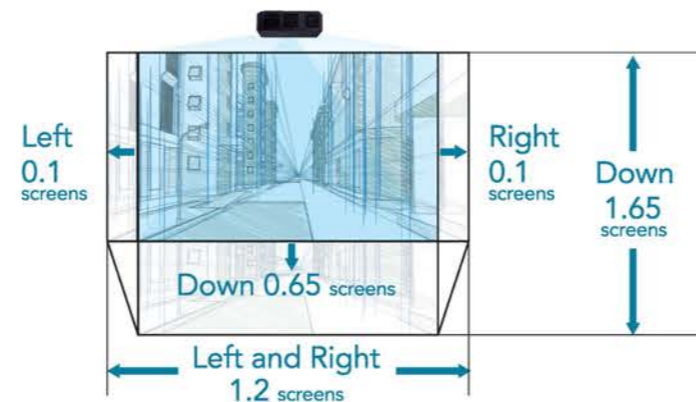
Equipped with powered focus and Perfect fit with which the position of the four corners and four sides of a projected image can be adjusted. With the remote controller at hand, you can adjust focus and the position of an image.



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.



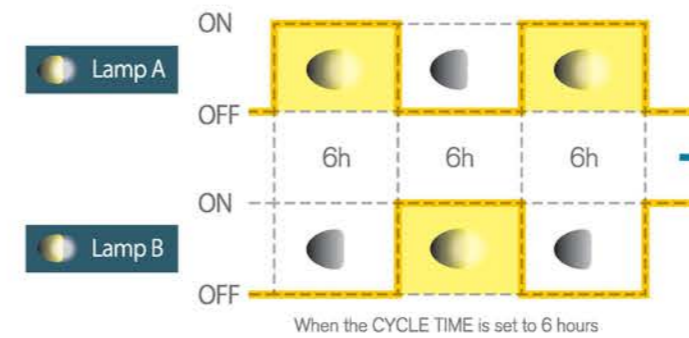
USL-901

Ensuring High Reliability and Stability

All-day Use

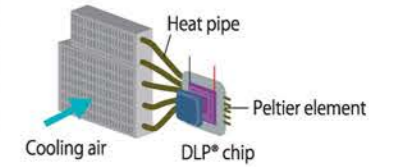
Equipped with the highly reliable Dual Lamp System. If one lamp stops functioning during use, the second lamp activates and projects the image with no interruption in the projection. Also, 24-hour-a-day continuous operation is possible. With the single lamp such as the Alternative mode which alternates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

Alternative mode



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 Ultra short throw lens Zoom: x1.3	CP-WU9410	1.7-2.1m(67"-84")	0.8 - 1.0	
	CP-WU9411	1.8-2.2m(71"-88")	0.8 - 1.0	
	CP-WX9210 CP-WX9211	1.7-2.1m(66"-82")	0.8 - 1.0	
SL-902 Short throw lens Zoom: x1.5	CP-WU9410	2.5-3.8m(100"-149")	1.1 - 1.7	
	CP-WU9411	2.7-4.0m(105"-156")	1.2 - 1.8	
	CP-WX9210 CP-WX9211	2.5-3.7m(98"-146")	1.2 - 1.8	
SD-903W Standard lens Zoom: x1.5	CP-WU9410	3.5-5.3m(140"-209")	1.6 - 2.4	
	CP-WU9411	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	
ML-904 Middle throw lens Zoom: x1.5	CP-WU9410	5.2-7.9m(205"-313")	2.4 - 3.6	
	CP-WU9411	5.5-8.3m(216"-329")	2.5 - 3.8	
	CP-WX9210 CP-WX9211	5.1-7.8m(200"-306")	2.5 - 3.8	
LL-905 Long throw lens Zoom: x1.6	CP-WU9410	7.6-12.2m(298"-482")	3.5 - 5.6	
	CP-WU9411	8.0-12.9m(314"-506")	3.7 - 5.9	
	CP-WX9210 CP-WX9211	7.4-12.0m(291"-471")	3.6 - 5.8	
UL-906 Ultra long throw lens Zoom: x1.6	CP-WU9410	12.0-19.0m(472"-749")	5.5 - 8.8	
	CP-WU9411	12.6-20.0m(496"-786")	5.8 - 9.2	
	CP-WX9210 CP-WX9211	11.7-18.6m(462"-732")	5.7 - 9.1	



10000 series

CP-X10000 / CP-WX11000
CP-SX12000



Advanced Installability and System Features for Various Uses

Event Halls Large Conference Rooms



CP-X10000
XGA 7,500lm



CP-WX11000
WXGA 6,500lm



CP-SX12000
SXGA+ 7,000lm

Ensuring High Reliability and Stability

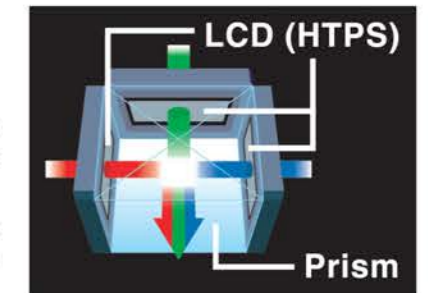
High Performance Filter

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.



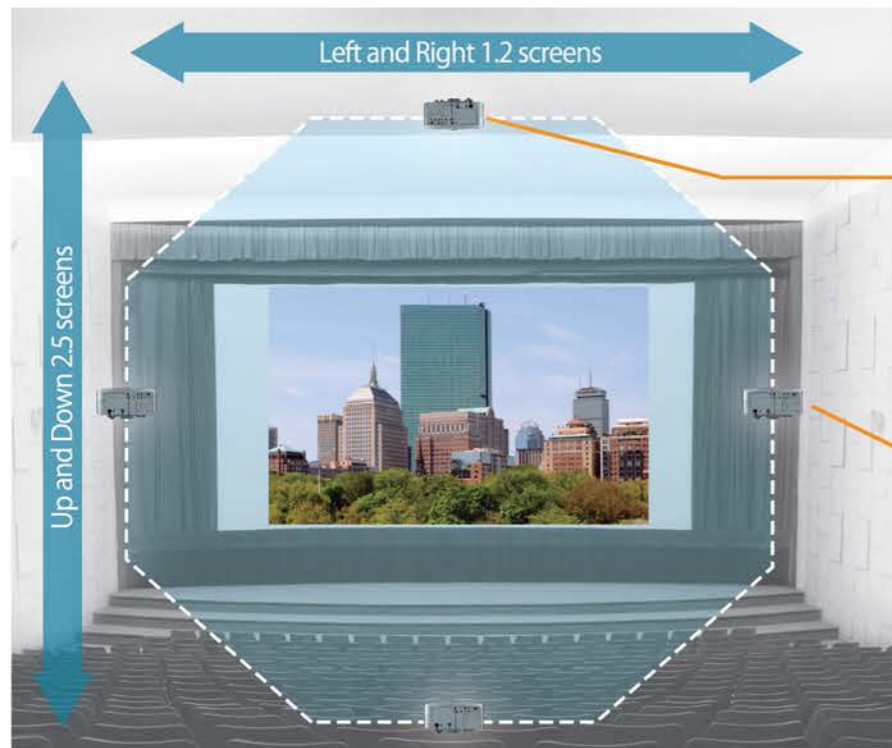
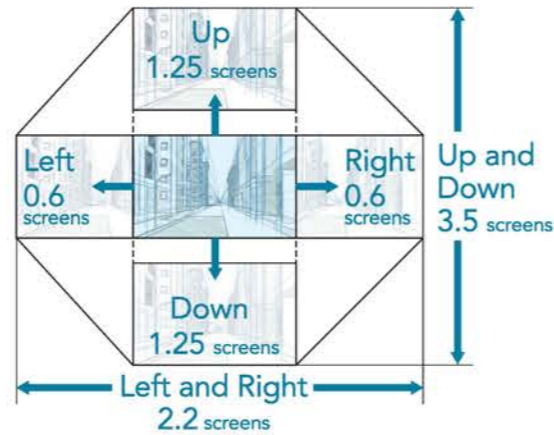
HTPS (High Temperature Poly-Silicon)

Advanced Installability and System Features for Various Uses

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.



Capable of installation on high ceilings not possible before

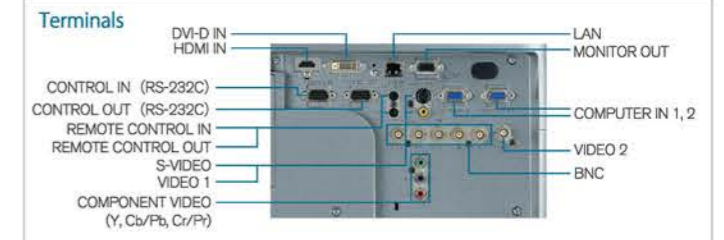


Capable of installation off-center from screens not possible before

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 Zoom: x1.2	CP-X10000	1.0-1.2m(39"-47")	0.5 - 0.6	
	CP-SX12000			
	CP-WX11000	1.1-1.3m(43"-51")	0.5 - 0.6	
SL-802 Short throw lens Zoom: x1.2	CP-X10000	2.5-3.0m(99"-119")	1.2 - 1.5	
	CP-SX12000			
SL-803 Short throw lens Zoom: x1.5	CP-X10000	3.0-4.4m(116"-173")	1.5 - 2.2	
	CP-SX12000			
SD-804 Standard lens Zoom: x1.3	CP-X10000	4.4-5.8m(175"-230")	2.2 - 2.9	
	CP-SX12000			
LL-805 Long throw lens Zoom: x1.8	CP-X10000	5.7-10.7m(226"-419")	2.8 - 5.2	
	CP-SX12000			
UL-806 Ultra Long throw lens Zoom: x1.8	CP-X10000	10.2-18.8m(402"-740")	5.0 - 9.2	
	CP-SX12000			
	CP-WX11000	11.0-20.3m(433"-798")	5.0 - 9.2	



8000 series

CP-X8170 / CP-WX8265 / CP-WU8460
CP-X8160 / CP-WX8255 / CP-WU8450 / CP-SX8350 /
CP-X8150 / CP-WX8240 / CP-WU8440



Event Halls Large Conference Rooms
Providing advanced functions and flexible installation features



CP-X8170 XGA 7,000lm CP-WX8265 WXGA 6,500lm CP-WU8460 WUXGA 6,000lm



CP-X8160 XGA 6,000lm CP-WX8255 WXGA 5,500lm CP-WU8450 WUXGA 5,000lm CP-SX8350 SXGA+ 5,000lm



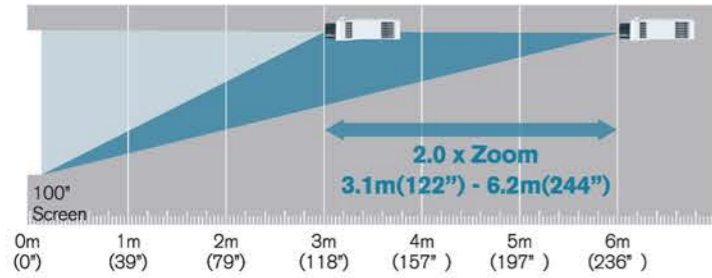
CP-X8150 XGA 5,000lm CP-WX8240 WXGA 4,000lm CP-WU8440 WUXGA 4,200lm

Awarded models: CP-X8160, CP-WX8265, 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.

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.

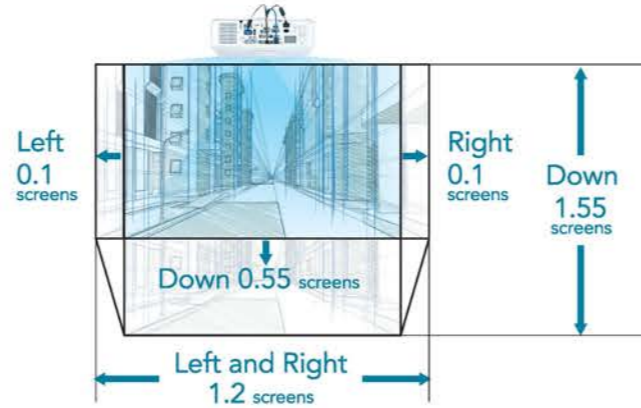


* CP-SX8350, CP-X8150, CP-WX8240: 1.5x
* The projection distance above is for the CP-X8170.

Superior Lens Shift

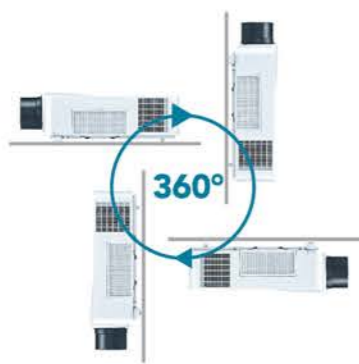
Superior lens shift lets you choose the most convenient installation location, even for large spaces.

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



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.

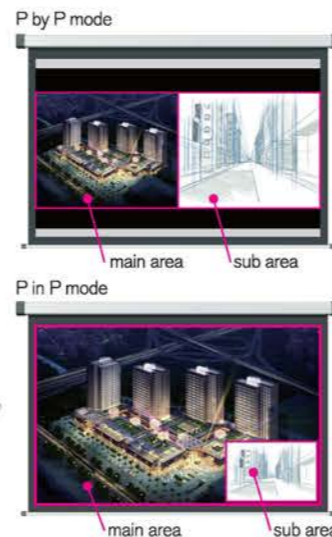


P by P / P in P Functions

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.

PbyP PbyP button



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.

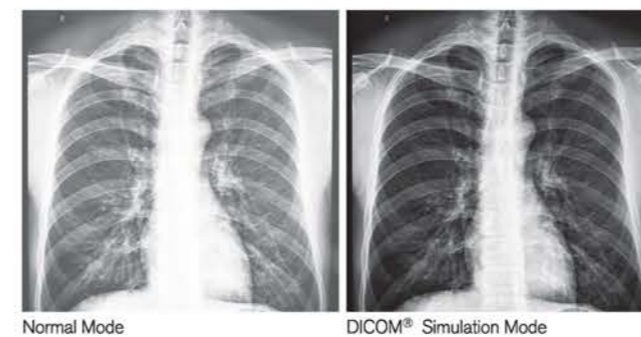
* Only for the CP-WU8460, CP-WX8265, and CP-X8170.



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.



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

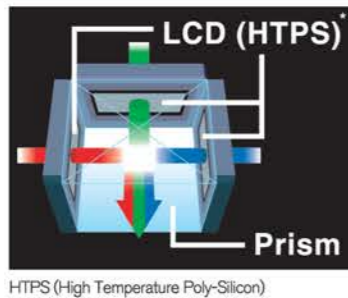


High Performance Filter

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)

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

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.

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.

Easy Maintenance

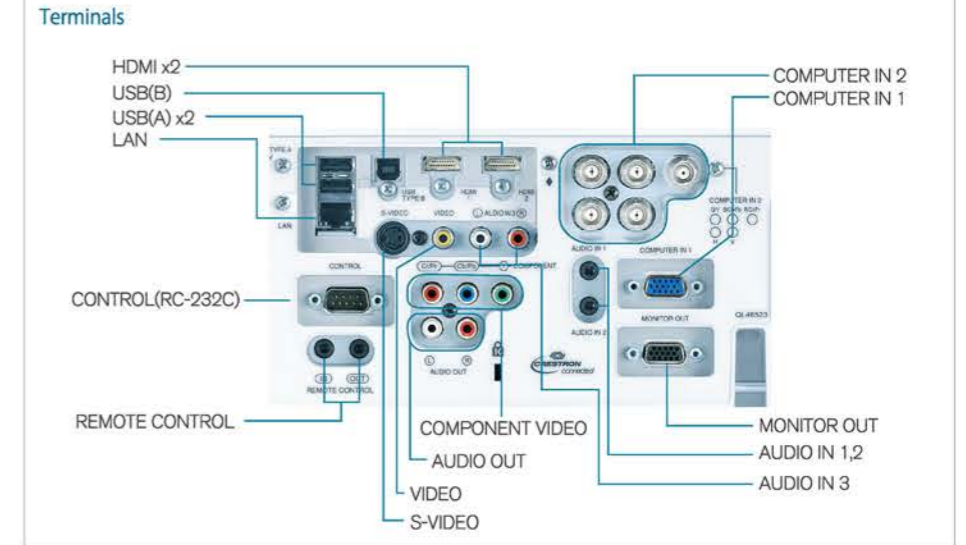
The lamp door and the filter cover are located on both sides, facilitating maintenance and replacement when the projector is installed on the ceiling. Serial number and MAC address are also labeled on the side chassis for easy readability.



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.

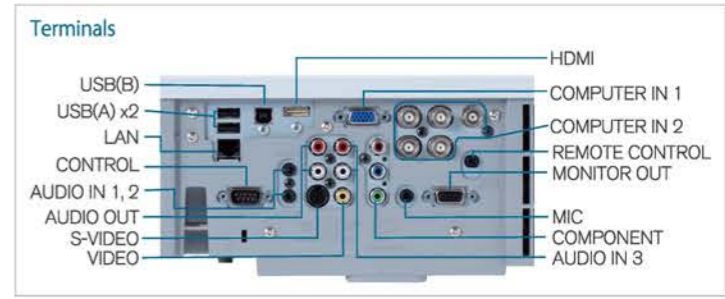
		Projection distance for 100" screen (Full screen) (Projector's front panel to screen)	Throw ratio	Projection distances for optional lenses when projecting onto a 100" screen (Full screen)
FL-701 Fixed short throw lens Zoom: Fixed	CP-SX8350	1.7m(66")	0.8	
	CP-X8170, CP-X8160	1.7m(67")	0.8	
	CP-WU8460, CP-WU8450, CP-WU8440	1.7m(69")	0.8	
	CP-WX8265, CP-WX8255	1.8m(71")	0.8	
	CP-X8150	2.1m(83")	0.8	
	CP-WX8240	2.2m(8.8")	0.8	
SL-702 Short throw lens Zoom: x1.5	CP-SX8350	2.4-3.7m(96"-144")	1.2 - 1.8	
	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	
	CP-X8150	3.1-4.6m(120"-181")	1.5 - 2.2	
	CP-WX8240	3.2-4.9m(127"-192")	1.5 - 2.2	
ML-703 Middle throw lens Zoom: x2.0	CP-SX8350	3.1-6.1m(121"-241")	1.5 - 3.0	
	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	
	CP-X8150	3.9-7.7m(153"-303")	1.9 - 3.8	
	CP-WX8240	4.1-8.1m(162"-321")	1.9 - 3.8	
LL-704 Long throw lens Zoom: x1.7	CP-SX8350	5.8-9.9m(229"-389")	2.8 - 4.9	
	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	
	CP-X8150	7.3-12.4m(288"-490")	3.6 - 6.1	
	CP-WX8240	7.8-13.2m(305"-520")	3.6 - 6.1	
UL-705 Ultra long throw lens Zoom: x1.7	CP-SX8350	9.9-16.8m(390"-662")	4.9 - 8.3	
	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	
	CP-X8150	12.4-21.1m(487"-830")	6.0 - 10.3	
	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.



5000 series
4000 series

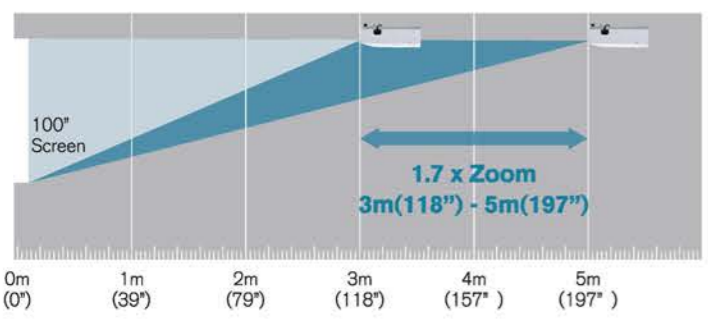
Projectors perfect for classrooms,
or small and midsize conference
rooms



Advanced Installability and System Features for Various Uses

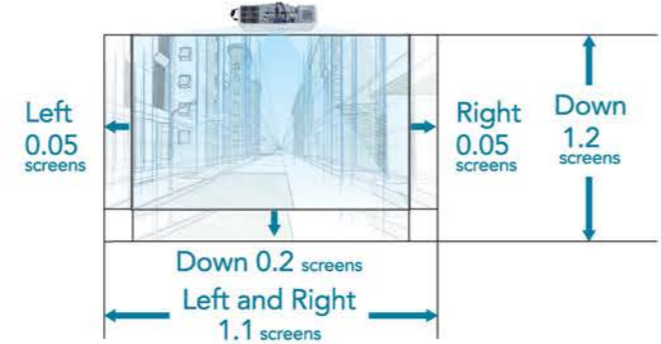
1.7x Zoom Lens

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.



Dual mode

Turns on the projectors at the same time.

Alternate mode

Turns on the projectors alternately.



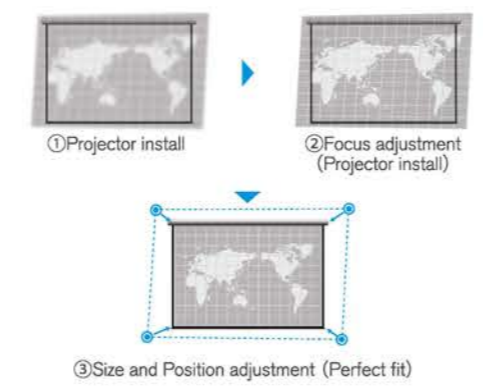
Fail Safe function



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

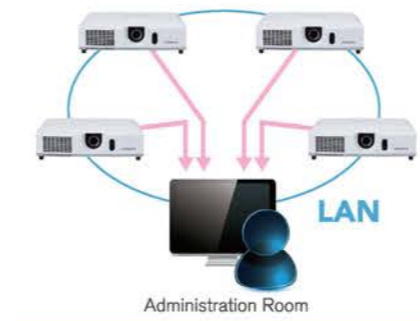
Perfect Fit allows you to make image adjustments by independently moving the individual corners and sides. Ideal for complex installations where sizing screen to image display is more difficult.



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(Optional)

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.



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 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 lamp.



Ensuring High Reliability and Stability

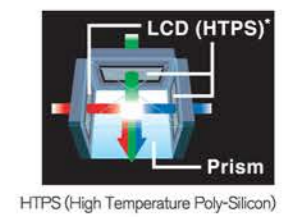
High Performance Filter

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.



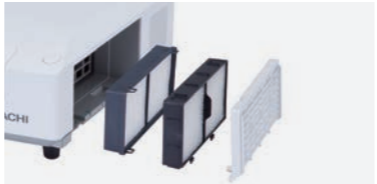


Features





			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	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		
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) 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)	●	●	●	●	●	●															
High Brightness and Image Quality	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.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	ACCENTUALIZER	Hitachi's original image enhancement technology that emphasizes shade, sharpness and gloss to achieve more vivid images. 		●	●	●				●	●	●												
	HDCR	HDCR (High Dynamic Contrast Range) is Hitachi original technology that produces clear images in bright environments. 		●	●	●																		
	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.	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Installability and System Features	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)	●	●	●				●	●		●	●	●		●	●		●	●	●	●	
Motorized Lens Shift		Lens shift is motorized and can be adjusted by keypad as well as 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 projector is simplified during the design and construction of a facility.		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
Picture by Picture	Simultaneously project images from 2 inputs side-by-side. 	●	● *1	● *1	● *1	●	●	●	● *1	● *1	● *1								●	●				

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

Features

			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	CP-X8170	CP-WX8265	CP-WU8460	CP-X8160	CP-WX8255	CP-WU8450	CP-SX8350	CP-X8150	CP-WX8240	CP-WU8440	CP-X5022W/N	CP-X4022W/N	CP-WX4022W/N	
Installability and System Features	Picture in Picture	Display an image from a different source in the sub-area. 	●	●	●	●				●	●	●											
	360 Degree Projection	Projectors can be installed facing upwards, downwards, or other wide degree of orientations.		●	●	●				●	●	●	●	●	●								
	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 the projector 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 brighter images which reduces the power used by the lamp and leads to reduced power consumption of projectors.																			●	●	●
High Reliability and Stability	High Performance Filter	Hitachi's multi-layer high performance filters reduce the burden of maintenance by extending the period between filter cleaning. 	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	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

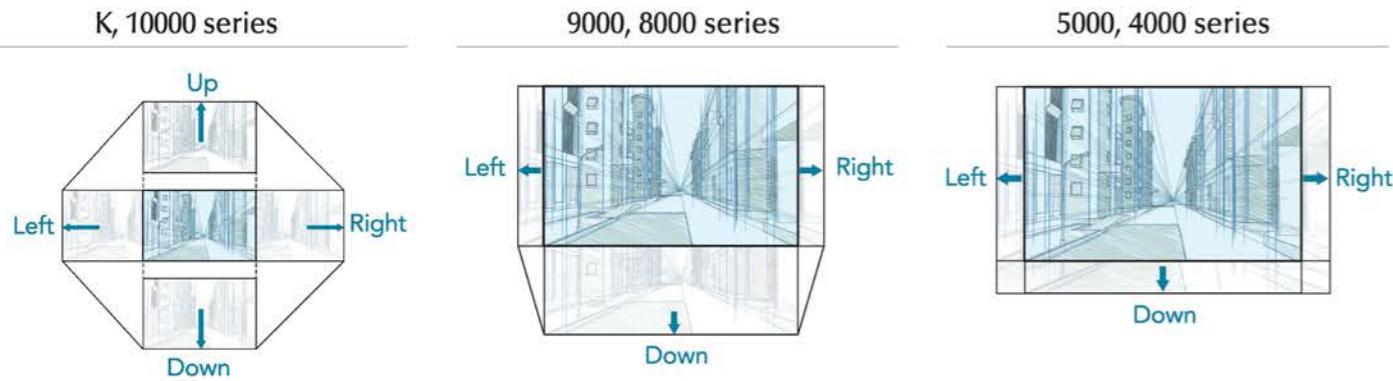
		K series			9000 series			10000 series			8000 series							5000 series, 4000 series								
Model name		CP-WU13K			CP-X9110 / CP-X9111	CP-WX9210 / CP-WX9211	CP-WU9410 / CP-WU9411	CP-X10000	CP-WX11000	CP-SX12000	CP-X8170	CP-WX8265	CP-WU8460	CP-X8160	CP-WX8255	CP-WU8450	CP-SX8350	CP-X8150	CP-WX8240	CP-WU8440	CP-X5022WN	CP-X4022WN	CP-WX4022WN			
Display system		3-Chip DLP®			1-Chip DLP®			3 LCD			3 LCD							3 LCD								
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	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 x 3	0.75" 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	786,432 pixels	1,092,800 pixels	1,470,000 pixels	786,432 pixels	1,024,000 pixels	2,304,000 pixels	786,432 pixels	1,024,000 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			
		1,920x1,200			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 768	1,280 x 800	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			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			Motorized							Motorized		Manual						
Focus		Motorized			Motorized			Motorized			Motorized							Motorized		Manual						
Lens shift		Motorized (V, H)			Motorized (V, H)			Motorized (V, H)			Motorized (V, H)							Motorized (V, H)		Manual (V, H)						
Light source		465W x2			370W x2			350W			365W			330W			245W				245W					
Screen size		80-500 inch			50-600 inch			40-700 inch			30-600 inch							30-300 inch								
Light output (Brightness)		13,000lm			10,000lm	8,500lm		7,500lm	6,500lm	7,000lm	7,000lm	6,500lm	6,000lm	5,500lm	5,000lm		4,000lm	4,200lm	5,000lm	4,200lm	5,000lm	4,000lm				
Contrast ratio		2,000:1 (Dynamic contrast)			2,000:1 (Theater mode)	2,500:1 (Theater mode)		2,500:1 (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 x1 / 5BNC connector x1			Mini D-sub 15-pin connector x1 / 5BNC connector x1			Mini D-sub 15-pin connector x2 / 5BNC connector x1			Mini D-sub 15-pin connector x1 / 5BNC connector x1							Mini D-sub 15-pin connector x1 / 5BNC connector x1								
MONITOR OUT		-			Mini D-sub 15-pin connector x1			Mini D-sub 15-pin connector x1			Mini D-sub 15-pin connector x1							Mini D-sub 15-pin connector x1								
VIDEO		-			BNC connector x1			RCA connector x1 / BNC connector x1			RCA connector x1							RCA connector x1								
S-VIDEO		-			-			MINI DIN 4-pin connector x1			MINI DIN 4-pin connector x1							MINI DIN 4-pin connector x1								
COMPONENT VIDEO (Y, Cb/Pb, Cr/Pb)		3BNC x1 / 3RCA x1			-			3 RCA connector x1			3 RCA connector x1							3 RCA connector x1								
HDMI IN		HDMI connector x2			HDMI connector x2			HDMI connector x1			HDMI connector x2							HDMI connector x1								
DVI-D IN		DVI-D connector x1			DVI-D connector x1			DVI-D connector x1			-							-								
HDBaseT		-			RJ-45 connector x1			-			-							-								
AUDIO IN		-			-			-			2 RCA connector x1 / 3.5mm(stereo) mini connector x2							2 RCA connector x1 / 3.5mm(stereo) mini connector x2								
AUDIO OUT		-			-			-			2 RCA connector x1							2 RCA connector x1								
MIC IN		-			-			-			-							3.5mm mono mini connector x1								
CONTROL IN (RS-232C)		D-sub 9-pin connector x1			D-sub 9-pin connector x1			D-sub 9-pin connector x1			D-sub 9-pin connector x1							D-sub 9-pin connector x1								
CONTROL OUT (RS-232C)		-			-			D-sub 9-pin connector x1			-							-								
LAN		RJ-45 connector x1			RJ-45 connector x1			RJ-45 connector x1			RJ-45 connector x1							RJ-45 connector x1								
USB-A		-			USB type A connector x1			-			USB type A connector x2							USB type A connector x2								
USB-B		-			-			-			USB type B connector x1							USB type B connector x1								
REMOTE CONTROL IN		-			3.5mm(stereo) mini connector x1			3.5mm(stereo) mini connector x1			3.5mm(stereo) mini connector x1							3.5mm(stereo) mini connector x1								
REMOTE CONTROL OUT		-			3.5mm(stereo) mini connector x1			3.5mm(stereo) mini connector x1			3.5mm(stereo) mini connector x1							-								
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 ^{*1} 0-40°C at altitude of 1,600-3,048m			5-35°C			0-45°C							0-35°C	0-40°C		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)							10-85%RH (non-condensing)								
Power requirements		AC100-240V(50Hz/60Hz) (SW)			AC100-240V(50Hz/60Hz)			AC100-240V(50Hz/60Hz)			AC100-240V(50Hz/60Hz)							AC100-240V(50Hz/60Hz)								
Maximum power consumption		AC100-120V: 1,230W AC220-240V: 1,250W			AC100-120V:1,060W AC220-240V: 990W			AC100-120V:540W AC220-240V:520W			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			15W (ref.)			Less than 0.35W							0.5W								
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)			537mm x 170mm x 438mm (21.1" x 6.7" x 17.2") (Excluding lens and protruding part)			476mm x 272mm x 469mm (18.74" x 10.71" x 18.46") (Excluding lens and protruding part)			498mm x 135mm x 396mm (19.6" x 5.3" x 15.6") (Excluding protruding part)							401mm x 103mm x 318mm (15.8" x 4.1" x 12.5") (Excluding protruding part)								
																										
Weight		Approx. 34.0kg (74.9lbs.) (Excluding lens)			Approx. 16.6kg (35.3lbs.) (Excluding lens)			Approx. 13.1kg (28.9lbs.) (Excluding lens)			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. 8.7kg (19.2lbs.)	Approx. 4.6kg (10.1lbs.)							
Features		Filter cleaning interval *2			1,000h			15,000h			10,000h			20,000h							15,000h			4,000h		
Accessories		Remote control with batteries, Power cord, RS232C cable (cross), User manual			Remote control with batteries, Power cord, Computer cable, Adapter cover, Application CD			Remote control with batteries, Power cord, Computer cable, Lens adapter, Hexagon wrench			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								

*2 This interval depends on the environment to use.

*1 When the ambient temperature exceeds 45°C, the brightness of the lamp is reduced automatically.

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 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%

10000 series

		USL-801	SL-802	SL-803	SD-804	LL-805	UL-806
CP-X10000 CP-SX12000	Up	0%(Fixed)	0-85%	0-85%	0-85%	0-85%	0-85%
	Left/Right	0%(Fixed)	0-±60%	0-±60%	0-±60%	0-±60%	0-±60%
CP-WX11000	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 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-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-WX8255 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-WU8450 CP-WU8440 CP-WU8460	Left/Right	0%(Fixed)	0-±10%	0-±10%	0-±10%	0-±10%
	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%
	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%
	Down	0%(Fixed)	0-75%	0-75%	0-75%	0-75%

5000 series, 4000 series

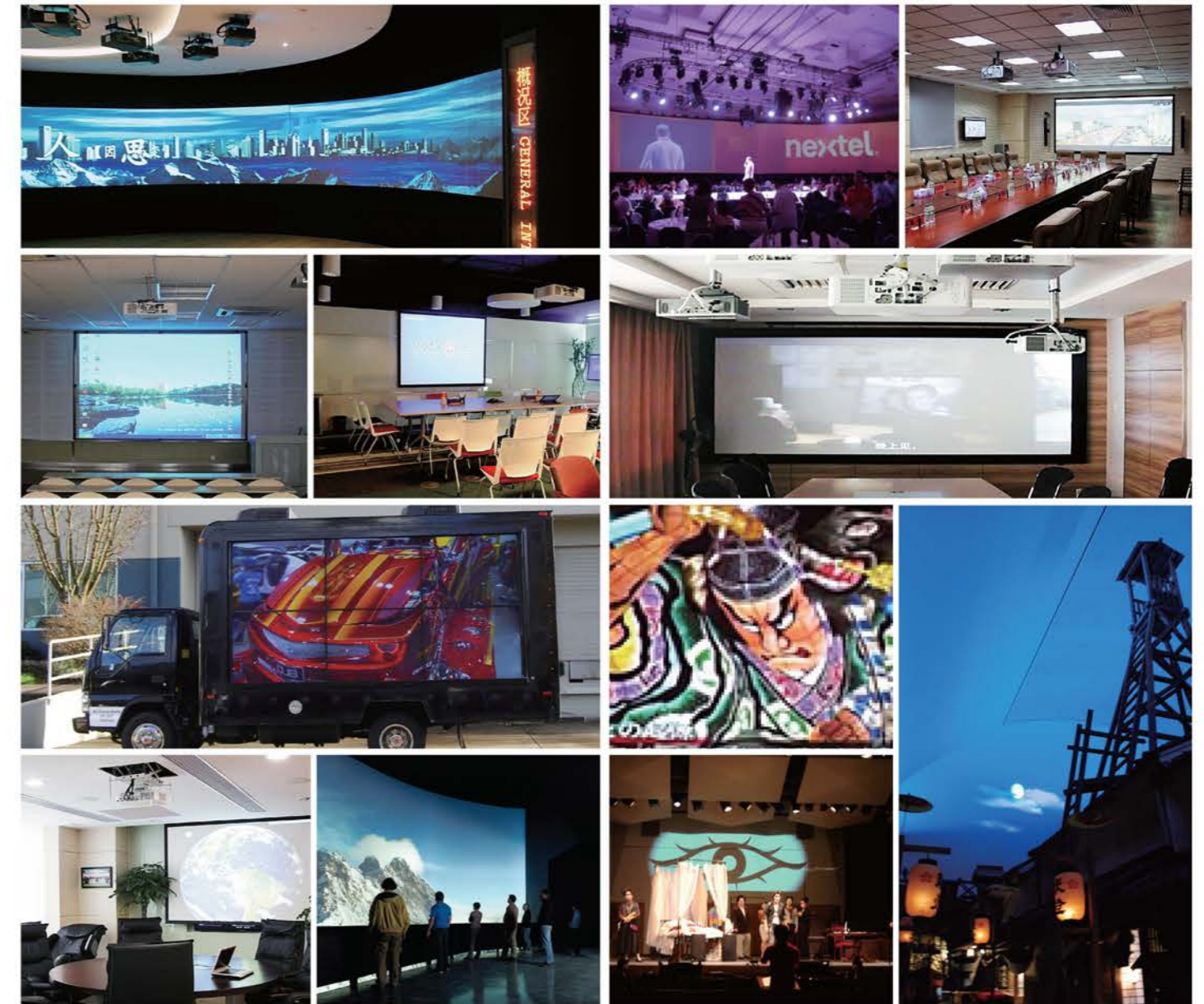
CP-X5022WN CP-X4022WN	Left/Right	0-±5%
	Down	30-50%
CP-WX4022WN	Left/Right	0-±5%
	Down	36-60%

Option

Model name	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	CP-X8170 CP-WX8265 CP-WU8460	CP-X8160 CP-WX8255 CP-WU8450	CP-SX8350 CP-WU8440 CP-WX8440	CP-X8150 CP-X5022WN CP-X4022WN CP-WX4022WN
Lamp	DT01591	DT01581	DT01001	DT01471	DT01291	DT01281	DT01171 (including a filter unit)
Filter set	MU08321 (for front), MU08331 (for rear)	UX39551	MU06351	UX38242	UX38241	MU06642	MU07791
Lens unit <small>(K/9000/10000 series of projectors are supplied without a projection lens.)</small>	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)	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) FS-13K (Frame for stacking)	HAS-9110 (Bracket for fixing mount) HAS-204L (Standard adapter for fixing mount) HAS-304H (Long adapter for fixing mount)	HAS-10000 (Bracket for fixing mount) HAS-204L (Standard adapter for fixing mount) HAS-304H (Long adapter for fixing mount)	HAS-8150 (Bracket for fixing mount) HAS-204L (Standard adapter for fixing mount) HAS-304H (Long adapter for fixing mount)	HAS-3010 (Bracket for fixing mount) HAS-204L (Standard adapter for fixing mount) HAS-304H (Long adapter for fixing mount)		
USB wireless adapter	-	USB-WL-11N	-	USB-WL-11N		USB-WL-11N	
Others	-	-	CC10000 (Cable cover) KU00041 (Lens adapter unit)	-	-	-	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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