

HITACHI



Providing advanced functionality
with flexible installation features

HITACHI

Hitachi America, Ltd., Digital Media Division
Hitachi Home Electronics Asia (S) Pte. Ltd.
Hitachi Sales (Malaysia) Sdn. Bhd.
Hitachi Sales (Thailand), Ltd.
Hitachi (Hong Kong), Ltd.
Hitachi Sales Corp. of Taiwan
Hitachi Australia Pty Ltd.
Hitachi Europe Ltd., Digital Media Group Consumer Affairs Department
900 Hitachi Way, Chula Vista, CA 91914-3556, U.S.A. and Canada Tel: +1-800-225-1741 www.hitachi-america.us/digitalmedia
438A Alexandra Road #01-01/02/03, Alexandra Technopark, 119967, Singapore Tel: +65-6536-2520 www.hitachiconsumer.com.sg
Lot 12, Jalan Kemajuan, Bangi Industrial Estate, 43650 Bandar Baru Bangi, Selangor Darul Ehsan, Malaysia Tel: +60-3-8911-2670 www.hitachiconsumer.com.my
994, 996 Soi Thonglor, Sukhumvit 55 Road, Klongtonnua, Vadhana Bangkok 10110, Thailand Tel: +66-2335-5455 www.hitachi-th.com
18th Floor, Ever Gain Centre, 28 On Muk Street, Shatin, N.T., Hong Kong Tel: +852-2113-8883 www.hitachi-hk.com.hk
2nd Floor, No.65, Nanking East Road, Section 3, Taipei 104, Taiwan Tel: +886-2-2516-0500 www.hsct.com.tw
Suite 801, Level 8, 123 Epping Road, North Ryde NSW 2113, Australia Tel: +61-2-9888-4100 www.hitachi.com.au
Whitebrook Park, Lower Cookham Road, Maidenhead, Berkshire, SL6 8YA, UK Tel: +44-1628-585000 www.hitachidigitalmedia.com



*Projected images are simulations

Event Halls

Large Conference Rooms

Museums

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

9000 series
 CP-X9110 / CP-WX9210
 CP-WU9410

Event Halls

Large Conference Rooms

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

10000 series
 CP-X10000
 CP-WX11000
 CP-SX12000

Classrooms

Small and Midsize Conference Rooms

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

5000 series
4000 series
 CP-X5022 WN / CP-X4022WN
 CP-WX4022WN

Event Halls

Large Conference Rooms

Museums

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



9000 series

10000 series

8000 series

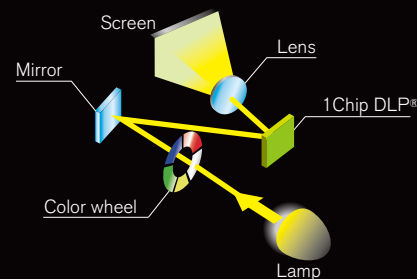
5000 series 4000 series



Model Name	CP-X9110	CP-WX9210	CP-WU9410	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	1Chip DLP®			3 LCD			3 LCD											3 LCD				
Light Output (Brightness)	10000lm	8500lm	8500lm	7500lm	6500lm	7000lm	7000lm	6500lm	6000lm		6000lm	5500lm	5000lm	5000lm	5000lm	4000lm	4200lm	5000lm	4000lm	4000lm		
Resolution	XGA	WXGA	WUXGA	XGA	WXGA	SXGA	XGA	WXGA	WUXGA		XGA	WXGA	WUXGA	SXGA	XGA	WXGA	WUXGA	XGA	XGA	WXGA		
	1024x768	1280x800	1920x1200	1024x768	1366x800	1400x1050	1024x768	1280x800	1920x1200		1024x768	1280x800	1920x1200	1400x1050	1024x768	1280 x 800	1920x1200	1024x768	1024x768	1280x800		
Light Source	370W UHPx2			350W UHP			365W UHP				330W UHP					245W UHP			245W UHP			
Standard Outside Dimentions (W x H x D)	537mm x 170mm x 515mm (21.1" x 6.7" x 20.3") (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	18.5kg (40.8lbs.) (Excluding lens)			13.1kg (28.9lbs.) (Excluding lens)			8.8kg (19.4lbs.)				8.8kg (19.4lbs.)	8.7kg (19.2lbs.)	8.8kg (19.4lbs.)	8.7kg (19.2lbs.)	8.4kg (18.5lbs.)	8.4kg (18.5lbs.)	8.7kg (19.2lbs.)	4.6kg (10.1lbs.)				
Main Features	2 HDMI input Accentualizer & HDCR Built in Dual Color Wheel HD Base T Dual Lamp Edge Blending Geometric Correction 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 PbyP/PinP 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 Inteligent ECO Instant Stack Manual V + H Lens Shift					

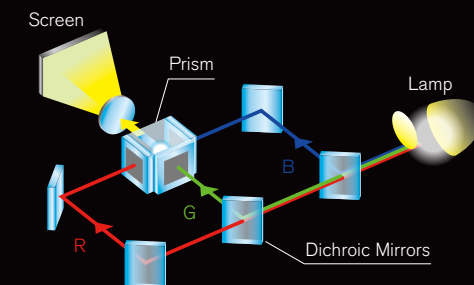
1Chip DLP®

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.



Event Halls

Large Conference Rooms

Museums

9000 series

CP-X9110 / CP-WX9210 / CP-WU9410

Available in August

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

High Brightness and Image Quality That Deliver Bright Vivid Colors

Built-in Dual Color Wheel

Two color wheels are built in to match usage conditions. By switching the color wheel, you can achieve an image quality to match the projected image. Previously requiring the services of an expert, Hitachi unique

technology allows you to switch the color wheel in about 10 seconds 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) 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.

Sharpness Gloss Shade

CP-X9110

XGA 10,000lm

CP-WX9210

WXGA 8,500lm

CP-WU9410

WUXGA 8,500lm

HDCR (High Dynamic Contrast Range)

Bright room

HDCR OFF

HDCR ON

Clear!!

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.

XGA (1024 x 768)

Beyond 1080 Resolution

Full High-Definition (1920 x 1080)

WUXGA (1920 x 1200)

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 (Digital Imaging and Communications in Medicine) 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.

Standard Mode

DICOM Simulation Mode

Dual Lamp

Equipped with a dual lamp system that achieves a high brightness of 10,000lm in a compact body weighing only 18.5kg. The period between lamp maintenance can be doubled by using the single lamp mode.

Lamp 1 Lamp 2

Brightness

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

Standard video capture

Digital rapid motion adaptive de-interlacer

Equalizing Gamma/Color Balance

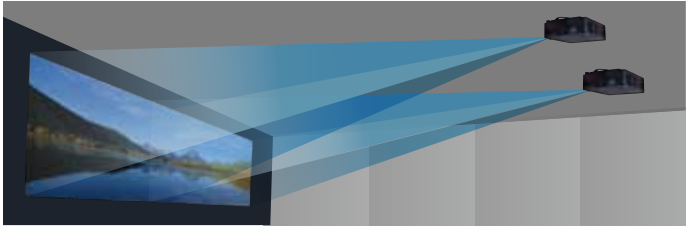
Easily perform gamma and color balance adjustments while viewing images.

Gamma

Color balance

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 direction in 360 degrees, 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.



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.



Geometric Correction

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.



Curved screen



Curved screen



Spherical object

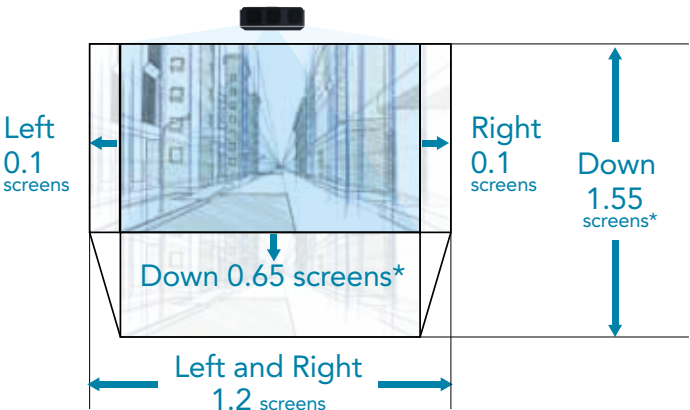


Corner wall

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.



4 Digital Inputs

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

HD Base T

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

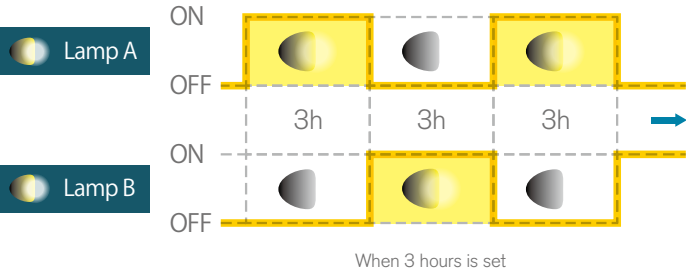


Ensuring High Reliability and Stability

24/7 Usable

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 hours of continuous operation is available with the Alternative mode which alternates the use of the two lamps. The projectors are also equipped with the Hot Swap Lamp System which allows you to replace lamps while the projector is running. Even while projecting an image, you can replace lamps when necessary without turning off the projector.

Alternative mode

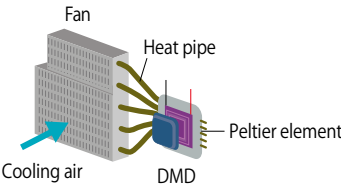


Hot Swap Lamp System

Replace lamps without turning off the projector.

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 45 degrees Celsius.



High Performance Filter

The finely crafted form of these projectors incorporates a three-layer filter, providing maximum defense against dust with four unwoven cloth layers and an HAF filter. This highly efficient filter lasts about 50 times longer than conventional 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.















*Depends on usage environment. Based on Hitachi test results.



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 (Projector's front panel to screen)	Throw ratio	Projection distances for optional lenses when projecting onto a 100" screen
	USL-901 Ultra short throw lens Zoom: x1.3	CP-WU9410 CP-WX9210 CP-X9110	1.7-2.1m(68"-84") 1.8-2.2m(71"-88") 1.7-2.1m(66"-82")	0.8 - 1.0 0.8 - 1.0 0.8 - 1.0	
	SL-902 Short throw lens Zoom: x1.5	CP-WU9410 CP-WX9210 CP-X9110	2.5-3.8m(100"-149") 2.7-4.0m(105"-156") 2.5-3.7m(98"-146")	1.2 - 1.7 1.2 - 1.8 1.2 - 1.8	
	SD-903W Standard lens Zoom: x1.5	CP-WU9410 CP-WX9210	3.5-5.3m(140"-209") 3.7-5.6m(147"-220")	1.6 - 2.5 1.7 - 2.6	
	SD-903X Standard lens Zoom: x1.5	CP-X9110	3.5-5.2m(136"-205")	1.7 - 2.5	
	ML-904 Middle lens Zoom: x1.5	CP-WU9410 CP-WX9210 CP-X9110	5.2-7.9m(205"-313") 5.5-8.3m(216"-329") 5.1-7.8m(200"-306")	2.4 - 3.7 2.5 - 3.9 2.5 - 3.8	
	LL-905 Long throw lens Zoom: x1.7	CP-WU9410 CP-WX9210 CP-X9110	7.6-12.2m(298"-482") 8.0-12.9m(314"-506") 7.4-12.0m(291"-471")	3.5 - 5.7 3.7 - 6.0 3.6 - 5.9	
	UL-906 Ultra long throw lens Zoom: x1.7	CP-WU9410 CP-WX9210 CP-X9110	12.0-19.0m(472"-749") 12.6-20.0m(496"-786") 11.7-18.6m(462"-732")	5.5 - 8.7 5.8 - 9.2 5.7 - 9.1	



Event Halls Large Conference Rooms

10000 series

CP-X10000 / CP-WX11000
CP-SX12000



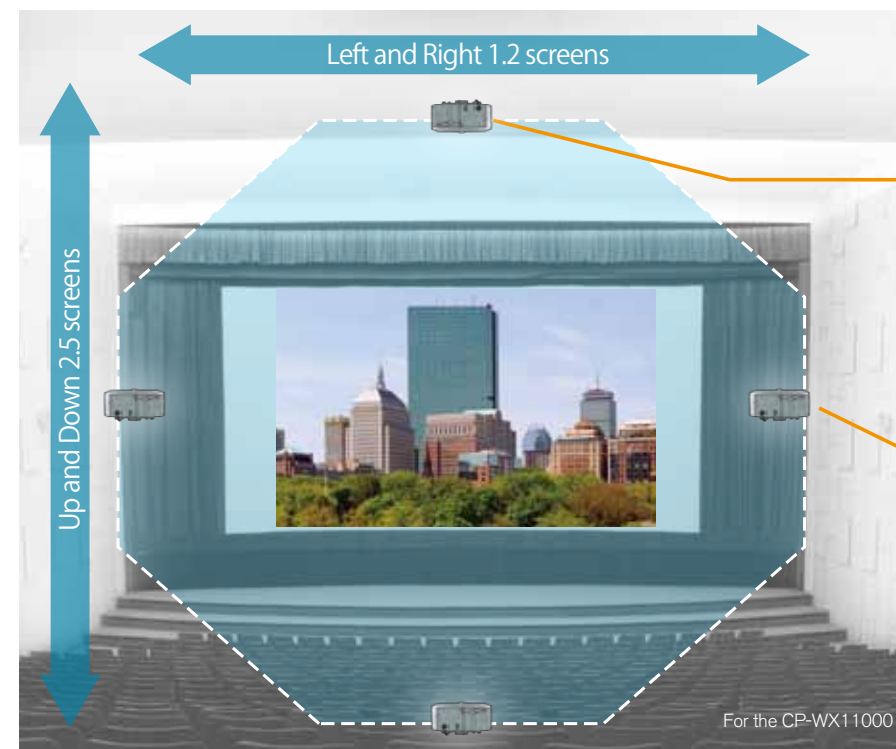
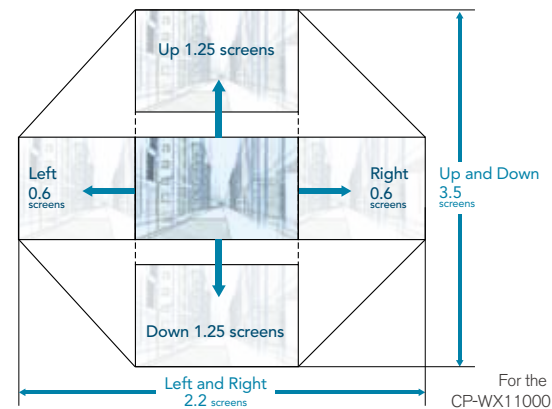
Advanced Installability and
System Features for Various Uses

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.

*Figures when standard lens SD-804 is used.



CP-X10000

XGA 7,500lm



CP-WX11000

WXGA 6,500lm



CP-SX12000

SXGA 7,000lm

Ensuring High Reliability and Stability

High Performance Filter

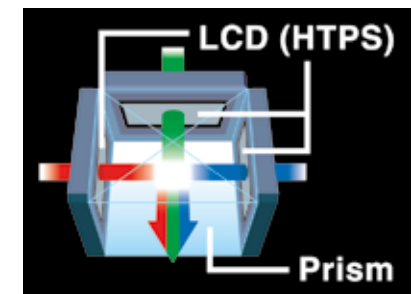
The finely crafted form of these projectors incorporates a four-layer filter, providing maximum defense against dust with four unwoven cloth layers and an HAF filter. This highly efficient filter lasts about 50 times longer than conventional filters.* Thanks to this long life and easy maintenance, these models are ideal for use in retail, digital signage and other environments where the projector is in constant use.

*Depends on usage environment. Based on Hitachi test results.



Inorganic LCD panels







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.



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



Event Halls Large Conference Rooms



8000 series

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

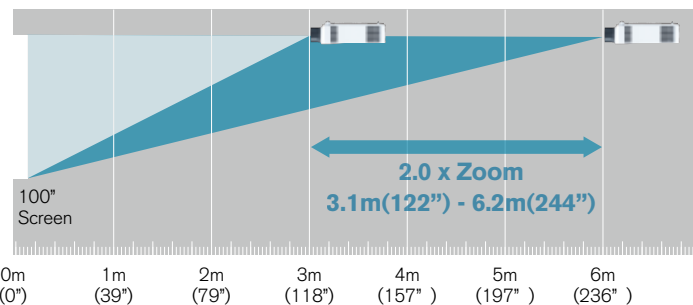


Providing advanced functions
and flexible installation features

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.

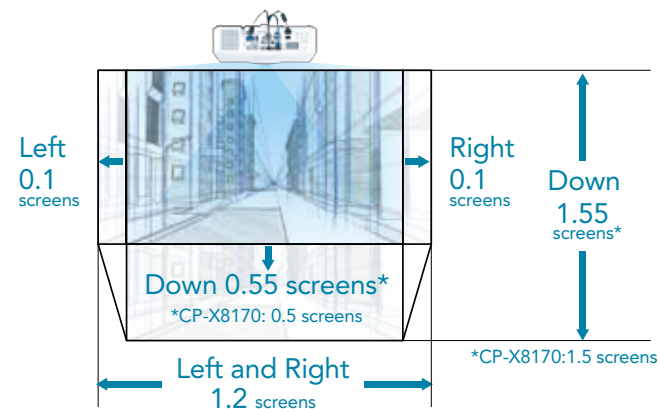


* CP-SX8350, CP-X8150, CP-WX8240: 1.5x
* The projection distance above is for the CP-X8170.

Superior Lens Shift

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

* The figure below is for the CP-WU8460.



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 button

P by P mode

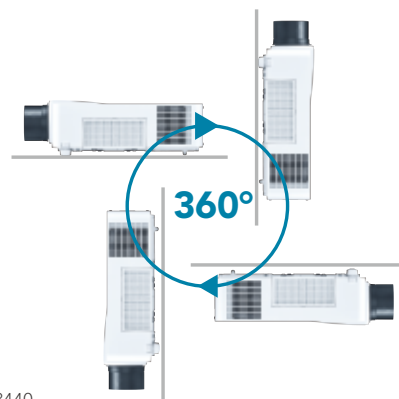


P in P mode



360° Projection

Projectors can be installed facing any direction in 360 degrees, 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.



CP-X8170

XGA 7000lm



CP-WX8265

WXGA 6500lm



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



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.



1 2 3



Sharpness

Gloss

Shade

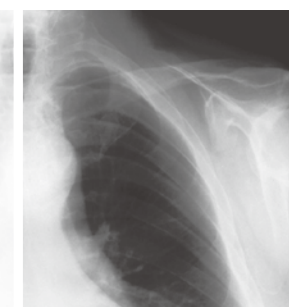
DICOM® Simulation Mode

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 (Digital Imaging and Communications in Medicine) 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.



Standard Mode



DICOM Simulation Mode

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.



Short arc length lamp

Small F-number lens

2 HDMI input

Equipped with 2 terminals for the current widely-used interface



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.



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

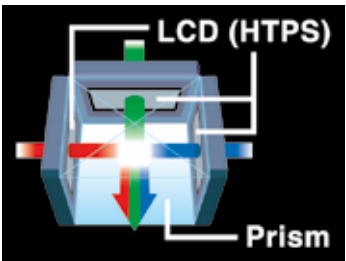
- Cover error • Lamp error • Temperature error
- Filter cleaning time and more...



An error message turns on.

Inorganic LCD panels

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.



Easy Maintenance

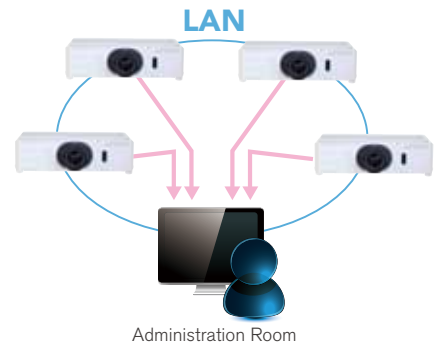
The lamp door and the filter cover are located on both sides, facilitating maintenance and replacement when the projector is installed on the ceiling.



Various Network Features

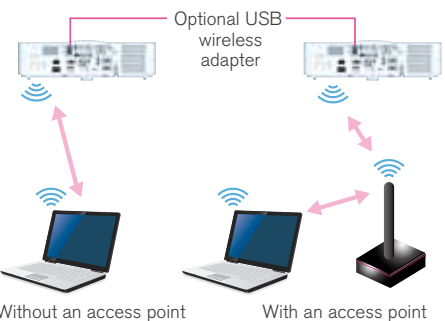
Convenient Networking

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 IEEE802.11b/g/n. Use the adapter cover to prevent the USB wireless adapter from coming off easily.



Smart Device Control

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


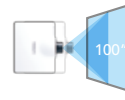

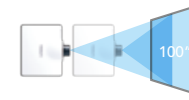








* See the Hitachi website for details
http://www.hitachi.co.jp/proj/en/apps/pj_connection.html

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 1024x768.) **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.

Variety of Interchangeable Lens Options

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 (Projector's front panel to screen)	Throw ratio	Projection distances for optional lenses when projecting onto a 100" screen
FL-701  Fixed short throw lens Zoom: Fixed	CP-SX8350 CP-X8170, CP-X8160 CP-WU8460, CP-WU8450, CP-WU8440 CP-WX8265, CP-WX8255 CP-X8150 CP-WX8240	1.7m(66") 1.7m(67") 1.7m(69") 1.8m(71") 2.1m(83") 2.2m(8.8")	1.0 1.0 1.0 1.0 1.0 1.0	
SL-702  Short throw lens Zoom: x1.5	CP-SX8350 CP-X8170, CP-X8160 CP-WU8460, CP-WU8450, CP-WU8440 CP-WX8265, CP-WX8255 CP-X8150 CP-WX8240	2.4-3.7m(96"-144") 2.5-3.7m(97"-145") 2.5-3.8m(100"-151") 2.6-3.9m(102"-154") 3.1-4.6m(120"-181") 3.2-4.9m(127"-192")	1.2 - 1.8 1.2 - 1.8 1.2 - 1.8 1.2 - 1.8 1.5 - 2.2 1.5 - 2.2	
ML-703  Middle throw lens Zoom: x2.0	CP-SX8350 CP-X8170, CP-X8160 CP-WU8460, CP-WU8450, CP-WU8440 CP-WX8265, CP-WX8255 CP-X8150 CP-WX8240	3.1-6.1m(121"-241") 3.1-6.2m(122"-242") 3.2-6.4m(127"-252") 3.3-6.5m(129"-257") 3.9-7.7m(153"-303") 4.1-8.1m(162"-321")	1.5 - 3.0 1.5 - 3.0 1.5 - 2.9 1.5 - 3.0 1.9 - 3.8 1.9 - 3.8	
LL-704  Long throw lens Zoom: x1.7	CP-SX8350 CP-X8170, CP-X8160 CP-WU8460, CP-WU8450, CP-WU8440 CP-WX8265, CP-WX8255 CP-X8150 CP-WX8240	5.8-9.9m(229"-389") 5.9-10.0m(231"-392") 6.1-10.3m(240"-407") 6.2-10.5m(244"-415") 7.3-12.4m(288"-490") 7.8-13.2m(305"-520")	2.8 - 4.9 2.8 - 4.9 2.8 - 4.9 2.8 - 4.9 3.6 - 6.1 3.6 - 6.1	
UL-705  Ultra long throw lens Zoom: x1.7	CP-SX8350 CP-X8170, CP-X8160 CP-WU8460, CP-WU8450, CP-WU8440 CP-WX8265, CP-WX8255 CP-X8150 CP-WX8240	9.9-16.8m(390"-662") 10.0-16.9m(393"-667") 10.3-17.6m(407"-691") 10.5-17.9m(415"-705") 12.4-21.1m(487"-830") 13.1-22.3m(516"-879")	4.9 - 8.3 4.9 - 8.3 4.9 - 8.3 4.9 - 8.3 6.0 - 10.3 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 large meeting rooms, lecture halls and auditoriums.

Classrooms

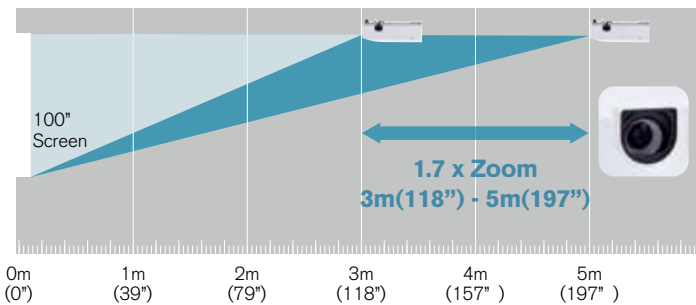
Small and Midsize Conference Rooms

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.

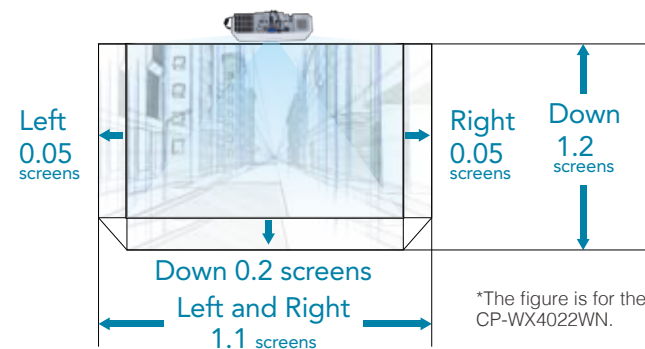
* The projection distance below is for the CP-X5022WN.



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.



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



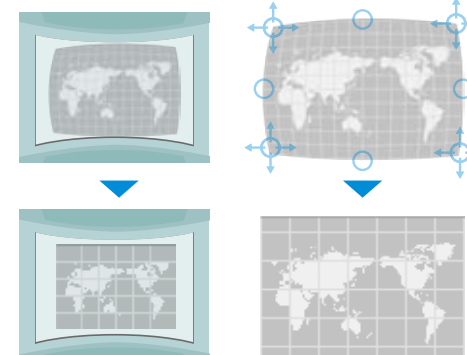
When ALTERNATE is selected and an error occurs on one projector causing the lamp to turn off, the other projector will automatically start to operate.

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

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

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.



CP-X5022WN

XGA 5000lm

CP-X4022WN

XGA 4000lm

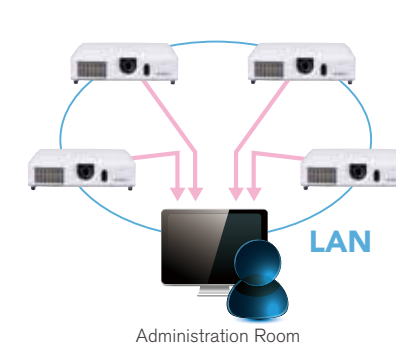
CP-WX4022WN

WXGA 4000lm

Various Network Features

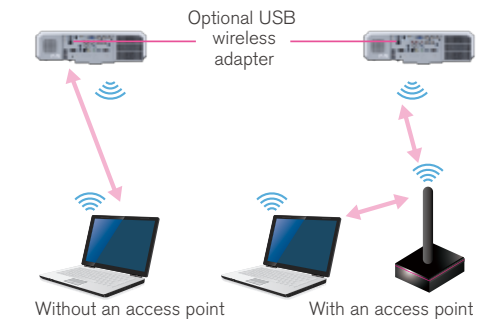
Convenient Networking

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 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 1024x768.) **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.

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

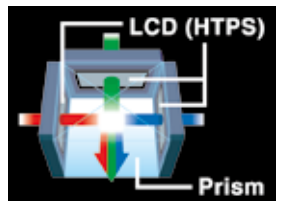
The high performance filter is made of two layers on unwoven cloth and lasts up to approximately 4,000 hours* without cleaning, reducing maintenance time.

*Varies according to usage environment

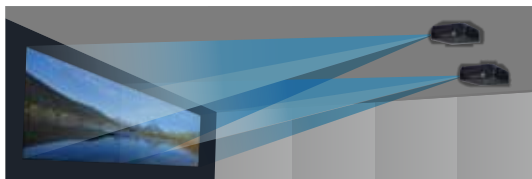




Inorganic LCD panels

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

Features			1Chip DLP®			3 LCD																
			9000 series			10000 series			8000 series								5000 series 4000 series					
			CP-X9110	CP-WX9210	CP-WU9410	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	
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 correction technology that emphasizes sharpness, gloss, and shade to achieve more vivid images	●	●	●				●	●	●											
	HDCR	Hitachi original technology that produces clear images in bright environments	●	●	●																	
	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	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
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	Corrects the shape of images to make projections on various types of screens possible	●	●	●																	
	Motorized Lens Shift	Lens shift is motorized and can be adjusted by 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 	●	●	●	●	●	●	●	●	●		●	●			●	●				
	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 various directions	●	●	●				●	●	●	●	●	●								
	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	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

Features

Features			1Chip DLP®			3 LCD															
			9000 series			10000 series			8000 series									5000 series 4000 series			
Installability and System Features			CP-X9110	CP-WX9210	CP-WU9410	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
	Perfect Fit	Use the remote controller to adjust the 4 corners and sides of a projected image and quickly fix distortions of images																			
	2 HDMI Input	Equipped with 2 terminals for the current widely-used interface																			
Network	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 images from a computer can be projected 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 application and wirelessly project images from devices running iOS or Android																			
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	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.																			
	HOT SWAP	One lamp can be replaced while the other is in use. Combine with the alternating lamp function, Alternative Mode, for 24-hour use of projectors even if one lamp fails.																			

	9000 series			10000 series			8000 series										5000 series, 4000 series					
Model Name	CP-X9110	CP-WX9210	CP-WU9410	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	1Chip DLP®			3 LCD			3 LCD												3 LCD			
Display Device	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	786432 pixels	1024000 pixels	2304000 pixels	786432 pixels	1092800 pixels	1470000 pixels	786432 pixels	1024000 pixels	2304000 pixels		786432 pixels	1024000 pixels	2304000 pixels	1470000 pixels	786432 pixels	1024000 pixels	2304000 pixels	786432 pixels	786432 pixels	1024000 pixels		
	1024x768	1280x800	1920x1200	1024x768	1366x800	1400x1050	1024x768	1280x800	1920x1200		1024x768	1280x800	1920x1200	1400x1050	1024x768	1280x800	1920x1200	1024x768	1024x768	1280x800		
Standard Lens	Optional			Optional			2.0x zoom lens (ML-703)				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						Manual					
Focus	Motorized			Motorized			Motorized				Motorized						Manual					
Lens Shift	Motorized (V, H)			Motorized (V, H)			Motorized (V, H)				Motorized (V, H)						Manual (V, H)					
Light Source	370W UHPx2			350W UHP			365W UHP				330W UHP				245W UHP				245W UHP			
Screen Size	50-600 inch			40-700 inch			30-600 inch										30-300 inch					
Light Output (Brightness)	10000lm	8500lm	8500lm	7500lm	6500lm	7000lm	7000lm	6500lm	6000lm		6000lm	5500lm	5000lm	5000lm	5000lm	4000lm	4200lm	5000lm	4000lm	4000lm		
Speaker	-	-	-	-	-	-	-	-	-		8W x 2 (stereo)						8W x 2 (mono)					
Terminals																						
COMPUTER IN	D-sub 15 pin mini jack x1/ 5BNC connector x1			D-sub 15 pin mini jack x2/ 5BNC connector x1			D-sub 15 pin mini jack x1/ 5BNC5BNC connector x1										D-sub 15 pin mini jack x1/ 5BNC j5BNC connector x1					
VIDEO	BNC connector x1			RCA jack x1/BNC connector x1			RCA jack x1										RCA jack x1					
S-VIDEO	-			MINI DIN 4pin jack x1			MINI DIN 4pin jack x1										MINI DIN 4pin jack x1					
COMPONENT	-			3 RCA jack x1			3 RCA jack x1										3 RCA jack x1					
HDMI IN	HDMI connector x2			HDMI connector x1			HDMI connector x2										HDMI connector x1					
DVI-D IN	DVI-D connector x1			DVI-D connector x1			-										-					
HD Base T	RJ-45 x1			-			-										-					
AUDIO IN	-			-			2 RCA jack x1/ 3.5mm(stereo) mini jack x2										2 RCA jack x1/ 3.5mm(stereo) mini jack x2					
AUDIO OUT	-			-			2 RCA jack x1										2 RCA jack x1					
RS-232C IN	D-sub 9 pin x1			D-sub 9 pin x1			D-sub 9 pin x1										D-sub 9 pin x1					
RS-232C OUT	-			D-sub 9 pin x1			-										-					
LAN	RJ-45 x1			RJ-45 x1			RJ-45 x1										RJ-45 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 IN	3.5mm(stereo) mini jack x1			3.5mm(stereo) mini jack x1			3.5mm(stereo) mini jack x1										3.5mm(stereo) mini jack x1					
REMOTE OUT	3.5mm(stereo) mini jack x1			3.5mm(stereo) mini jack x1			3.5mm(stereo) mini jack x1										-					
Operating Temperature <small>Non-condensing</small>	0-50℃	45-50℃ : operated in ECO mode only		5-35℃			0-45℃				0-45℃			0-35℃	0-40℃			5-35℃				
Operating Humidity	20-80% (non-condensing)			20-80% (non-condensing)			20-80% (non-condensing)				20-80% (non-condensing)			20-80% (non-condensing)	20-80% (non-condensing)			20-80% (non-condensing)				
Power Requirements	AC100V-240V(50Hz/60Hz)			AC100V-240V(50Hz/60Hz)			AC100V-240V(50Hz/60Hz)										AC100V-240V(50Hz/60Hz)					
Power Consumption	TBD			AC100-120V:540W AC220-240V:520W			AC100-120V:500W AC220-240V:480W				AC100-120V:500W AC220-240V:480W			AC100-120V:500W AC220-240V:480W				AC100-120V:410W AC220-240V:380W				
Standard Outside Dimentions (W x H x D)	537mm x 170mm x 515mm (21.1" x 6.69" x 20.3") (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	18.5kg (40.8lbs.) (Excluding lens)			13.1kg (28.9lbs.) (Excluding lens)			8.8kg (19.4lbs.)				8.8kg (19.4lbs.)	8.7kg (19.2lbs.)	8.8kg (19.4lbs.)	8.7kg (19.2lbs.)	8.4kg (18.5lbs.)	8.4kg (18.5lbs.)	8.7kg (19.2lbs.)	4.6kg (10.1lbs.)				
Accessories	TBD			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						Remote control with batteries, Power cord, Computer cable, Adapter cover, Lens cover, Application CD, Hexagon wrench					
Filter Cleaning Interval	15000h	15000h	15000h	10000h	10000h	10000h	20000h	20000h	20000h		20000h	20000h	20000h	15000h	15000h	15000h	15000h	4000h	4000h	4000h		

Lens Spec

9000 series

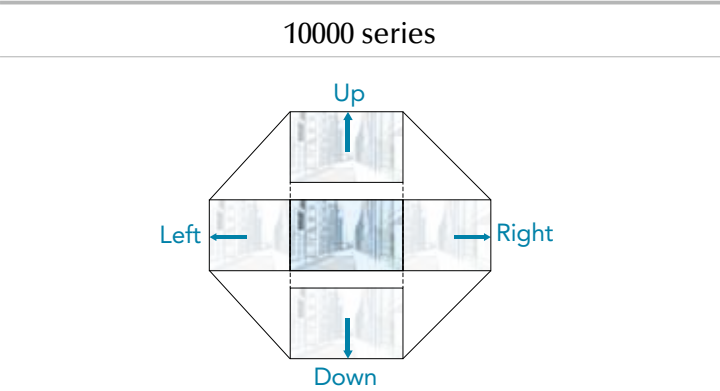
Model		Item					m												inch											
		Screen size					USL-901		USL-902		SD-903X SD-903W		ML-904		LL-905		UL-906		USL-901		SL-902		SD-903X SD-903W		ML-904		LL-905		UL-906	
		Type	H[m]	H[r°]	V[m]	V[r°]	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
CP-X9110 Aspect ratio 4:3	Projection distance ㉑	80	1.6	64	1.2	48	1.4	1.7	2.0	3.0	2.8	4.2	4.1	6.2	5.9	9.5	9.4	14.9	53	66	78	116	109	164	160	245	232	376	371	588
		100	2.0	80	1.5	60	1.7	2.1	2.5	3.7	3.5	5.2	5.1	7.8	7.4	12.0	11.7	18.6	66	82	98	146	136	205	200	306	291	471	462	732
		150	3.0	120	2.3	90	2.5	3.1	3.7	5.5	5.2	7.8	7.6	11.7	11.1	18.0	17.5	27.8	99	123	147	218	205	307	301	459	439	708	688	1093
		200	4.1	160	3.0	120	3.3	4.1	5.0	7.4	6.9	10.4	10.2	15.5	14.9	24.0	23.2	36.9	131	163	196	291	273	410	401	612	586	945	914	1454
		300	6.1	240	4.6	180	5.0	6.2	7.5	11.1	10.4	15.6	15.3	23.3	22.4	36.1	34.7	55.2	196	244	293	436	410	615	603	918	881	1419	1366	2175
		400	8.1	320	6.1	240	6.6	8.2	9.9	14.8	13.9	20.8	20.4	31.1	29.9	48.1	46.2	73.6	260	324	391	582	547	820	804	1225	1176	1894	1818	2896
		500	10.2	400	7.6	300	8.3	10.3	12.4	18.5	17.4	26.0	25.5	38.9	37.4	60.1	57.7	91.9	325	405	489	727	684	1025	1006	1531	1471	2368	2270	3618
	Throw ratio					0.8	1.0	1.2	1.8	1.7	2.5	2.5	3.8	3.6	5.9	5.7	9.1	0.8	1.0	1.2	1.8	1.7	2.5	2.5	3.8	3.6	5.9	5.7	9.1	
CP-WX9210 Aspect ratio 16:10	Projection distance ㉑	80	1.7	68	1.1	42	1.5	1.8	2.1	3.2	3.0	4.5	4.4	6.7	6.4	10.3	10.1	16.0	57	71	84	125	117	176	172	263	250	404	399	631
		100	2.2	85	1.3	53	1.8	2.2	2.7	4.0	3.7	5.6	5.5	8.3	8.0	12.9	12.6	20.0	71	88	105	156	147	220	216	329	314	506	496	786
		150	3.2	127	2.0	79	2.7	3.3	4.0	6.0	5.6	8.4	8.2	12.5	12.0	19.3	18.8	29.8	106	132	158	234	220	330	324	493	472	761	739	1173
		200	4.3	170	2.7	106	3.6	4.4	5.3	7.9	7.5	11.2	11.0	16.7	16.0	25.8	24.9	39.6	141	175	210	313	294	440	432	658	631	1016	982	1561
		300	6.5	254	4.0	159	5.3	6.6	8.0	11.9	11.2	16.8	16.5	25.1	24.1	38.7	37.3	59.3	210	262	315	469	441	660	648	986	948	1525	1468	2336
		400	8.6	339	5.4	212	7.1	8.8	10.7	15.9	15.0	22.4	22.0	33.4	32.1	51.7	49.6	79.0	280	348	421	625	589	881	864	1315	1262	2035	1954	3111
		500	10.8	424	6.7	265	8.9	11.0	13.4	19.8	18.7	28.0	27.4	41.8	40.2	64.6	62.0	98.7	349	435	526	781	736	1101	1080	1644	1582	2545	2440	3886
	Throw ratio					0.8	1.0	1.2	1.8	1.7	2.6	2.5	3.9	3.7	6.0	5.8	9.2	0.8	1.0	1.2	1.8	1.7	2.6	2.5	3.9	3.7	6.0	5.8	9.2	
CP-WU9410 Aspect ratio 16:10	Projection distance ㉑	80	1.7	68	1.1	42	1.4	1.7	2.0	3.0	2.8	4.3	4.2	6.4	6.0	9.8	9.6	15.3	55	68	80	119	111	167	164	250	238	385	380	601
		100	2.2	85	1.3	53	1.7	2.1	2.5	3.8	3.5	5.3	5.2	7.9	7.6	12.2	12.0	19.0	68	84	100	149	140	209	205	313	298	482	472	749
		150	3.2	127	2.0	79	2.6	3.2	3.8	5.7	5.3	8.0	7.8	11.9	11.4	18.4	17.9	28.4	101	125	150	223	210	314	308	469	449	724	703	1118
		200	4.3	170	2.7	106	3.4	4.2	5.1	7.6	7.1	10.6	10.4	15.9	15.2	24.6	23.7	37.8	134	167	200	298	280	419	411	626	600	967	935	1487
		300	6.5	254	4.0	159	5.1	6.3	7.6	11.3	10.7	16.0	15.7	23.9	22.9	36.9	35.5	56.5	200	249	300	446	420	629	617	939	902	1452	1397	2225
		400	8.6	339	5.4	212	6.8	8.4	10.2	15.1	14.2	21.3	20.9	31.8	30.6	49.2	47.2	75.2	266	332	400	595	560	838	823	1253	1203	1937	1860	2963
		500	10.8	424	6.7	265	8.4	10.5	12.7	18.9	17.8	26.6	26.1	39.8	38.2	61.5	59.0	94.0	333	414	501	744	700	1048	1029	1566	1505	2422	2322	3701
	Throw ratio					0.8	1.0	1.2	1.7	1.6	2.5	2.4	3.7	3.5	5.7	5.5	8.7	0.8	1.0	1.2	1.7	1.6	2.5	2.4	3.7	3.5	5.7	5.5	8.7	

10000 series

Model	Item					m												inch												
						Screen size					USL-801		SL-802		SL-803		SD-804		LL-805		UL-806		USL-801		SL-802		SL-803		SD-804	
	Type	H[m]	H[r°]	V[m]	V[r°]	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.
CP-X10000 CP-SX12000 Aspect ratio 4:3	Projection distance ㉑	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
		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
		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
		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
		400	8.1	320	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
		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
		Throw ratio					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
CP-WX11000 Aspect ratio 17:10	Projection distance ㉑	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
		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
		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
		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
		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
		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
		Throw ratio					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

Lens Shift

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.

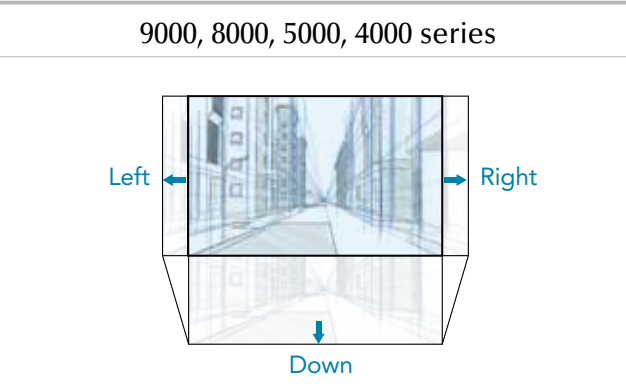


10000 series

		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%
	Down	0%(Fixed)	0-85%	0-85%	0-85%	0-85%	0-85%
CP-WX11000	Up	0%(Fixed)	0-125%	0-125%	0-125%	0-125%	0-125%
	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%

9000 series

		USL-901	USL-902	SD-903X SD-903W	ML-904	LL-905	UL-906
CP-X9110	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	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	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%



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

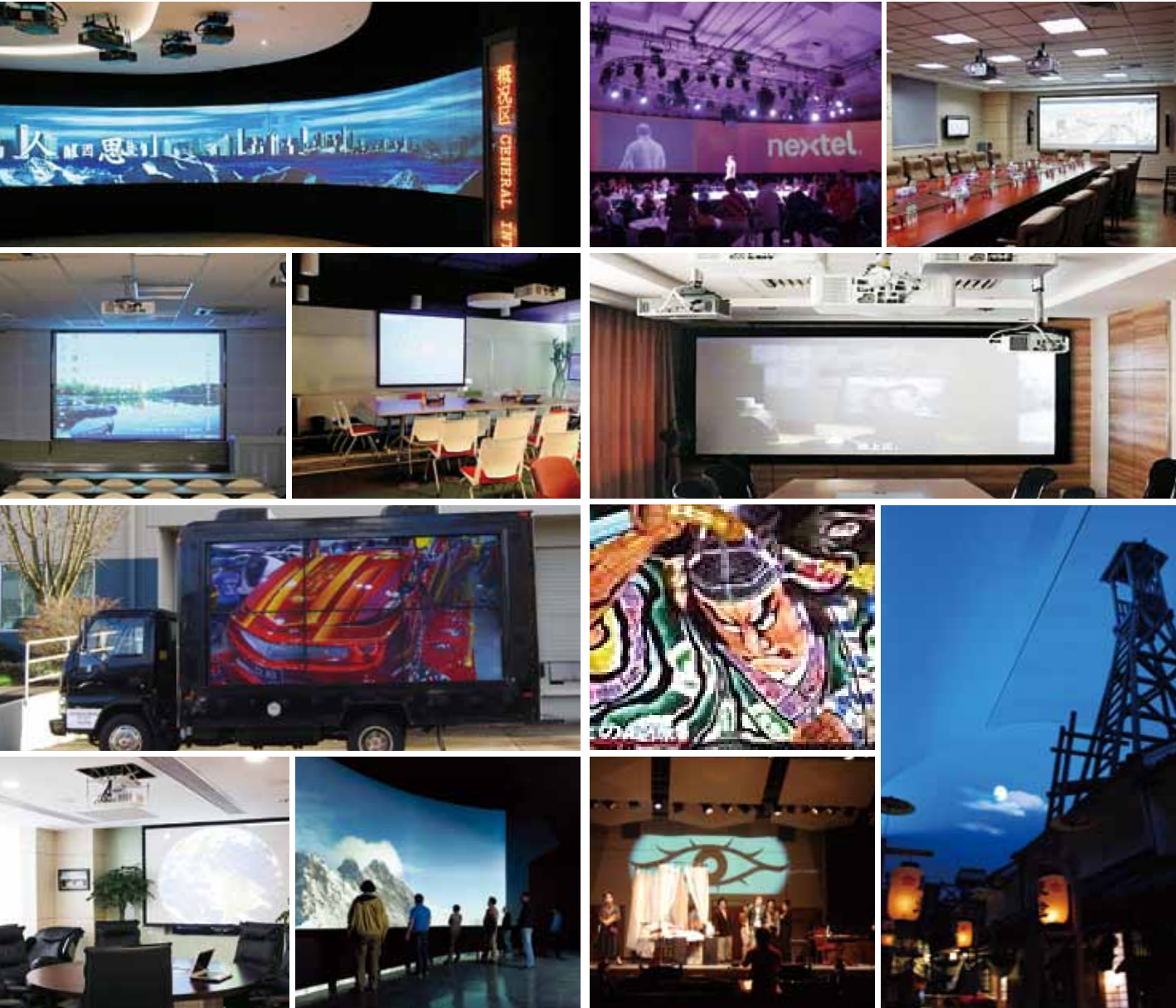
CP-X5022WN CP-X4022WN	Left/Right	0-5%
	Down	30-50%
CP-WX4022WN	Left/Right	0-5%
	Down	36-60%

Option

	1Chip DLP®	3 LCD				
	9000 series	10000 series	8000 series			5000 series, 4000 series
Model Name	CP-X9110 CP-WX9210 CP-WU9410	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-X5022WN CP-X4022WN CP-WX4022WN
Lamp	DT01581	DT01001	DT01471	DT01291	DT01281	DT01171 (including a filter unit)
Filter set	UX39621	MU06351	UX38242	UX38241	MU06642	MU07791
Lens unit (9000/10000 series of projectors are supplied with a projection lens.)	USL-901 (Ultra short throw lens) SL-902 (Short throw lens for CP-X9110) SD-903X (Standard lens for CP-WX9210/CP-WU9410) SD-903W (Standard lens) 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:	TBD	HAS-10000 (Bracket for ceiling mount)	HAS-8150 (Bracket for fixing mount)			HAS-3010 (Bracket for ceiling mount)
	HAS-204L (Standard adapter for fixing mount)		HAS-204L (Standard adaptor for fixing mount)			
	HAS-304H (Fixing adapter for higher ceilings)		HAS-304H (Fixing adapter for higher ceilings)			
USB wireless adapter	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 of the lamp. During use and immediately after use, do not touch anywhere near the lamp and the vents as these parts are extremely hot.
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