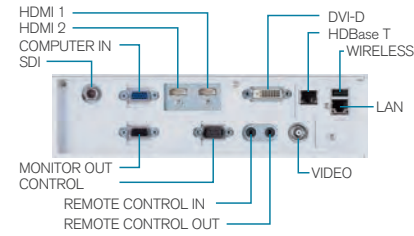


Specifications

Model name	Black cabinet color White cabinet color	CP-WU9100B CP-WU9100W	CP-HD9950B CP-HD9950W
Display system	1-chip DLP®		
Display device	Size of effective display area	0.67" x 1, aspect ratio 16:10	0.65" x 1, aspect ratio 16:9
	Number of pixels	2,304,000 pixels (1,920 horizontal x 1,200 vertical)	2,073,600 pixels (1,920 horizontal x 1,080 vertical)
Lens (option)	Zoom	Motorized (except for the ultra short throw fixed lens FL-910)	
	Focus	Motorized	
	Lens shift	Motorized (V, H) (except for the ultra short throw fixed lens FL-910)	
Light source	430W x 2 (High pressure mercury lamp)		
Screen size	50-600 inch (100 - 350 inch when the ultra short throw fixed lens FL-910 is used)		
Light output	10,000lm		9,500lm
Contrast ratio (full white / full black)	2,500 : 1 (Picture mode: DYNAMIC, Active iris: THEATER)		
Displayable scanning frequency	Horizontal	15k-106kHz	
	Vertical	50-120Hz	
Terminals	COMPUTER IN	Mini D-sub 15-pin connector x 1	
	MONITOR OUT	Mini D-sub 15-pin connector x 1	
	VIDEO	BNC connector x 1	
	HDBaseT	RJ-45 connector x 1	
	HDMI IN	HDMI connector x 2	
	DVI-D IN	DVI-D connector x 1	
	SDI IN	BNC connector x 1	
	LAN	RJ-45 connector x 1	
	WIRELESS	USB type A x 1 (Used for wireless network)	
	REMOTE CONTROL IN	3.5mm (stereo) mini connector x 1	
REMOTE CONTROL OUT	3.5mm (stereo) mini connector x 1		
CONTROL(RS-232C)	D-sub 9-pin connector x 1		
Operating temperature	0 - 50°C (ECO), 0 - 45°C (NORMAL) at altitude of 0 - 1,600m / 0 - 40°C at altitude of 1,600 - 3,048m		
Power requirements	AC 110 - 120V (50Hz / 60Hz), 10.2A / AC220 - 240V (50Hz / 60Hz), 5.6A		
Power consumption	AC 110 - 120V : 1090W / AC220 - 240V : 1070W		
Standby mode power consumption	Less than 3W at saving mode		
Standard outside dimension (WxHxD)	537mm x 170mm x 438mm (21.1" x 6.7" x 17.2")(Excluding lens and protruding parts)		
Weight	Approx. 17.0kg (37.5lbs) (Excluding lens)		
Accessories	Remote control with batteries, Power cord, Computer cable, Adapter Cover, Application CD, User's Manual (Book, CD)		
Optional parts	Lamp: DT01911	Filter set: UX39551	
	Lens unit:	Mounting accessories:	
	FL-910 (Ultra short throw fixed lens)	HAS-9110 (Bracket for fixing mount)	
	USL-901 (Ultra short throw lens)	HAS-104S (Slim adapter for fixing mount)	
	SL-902 (Short throw lens)	HAS-204L (Standard adapter for fixing mount)	
	SD-903 (Standard lens)	HAS-304H (Long adapter for fixing mount)	
	ML-904 (Short throw lens)	HAS-404U (Ceiling mount with 6-axis adjustment)	
	LL-905 (Middle throw lens)	USB wireless adapter: USB-WL-11N	
	UL-906 (Long throw lens)		

Terminals



Dimensions



Environment

• **Compliance with EU Directive RoHS^{*1}** • **Reduction of resin usage in production** Use of hot runners in molds for making upper housing in order to reduce mill ends. • **Reduction of CO₂ emissions** Carton volume has been cut down to 92.3%^{*2}, reducing CO₂ emissions during transport. • **Power saving mode engaged during standby** • **Eco mode** Eco mode provides power saving.

^{*1} : RoHS is the acronym of "Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment".
^{*2} : Compared to Hitachi CP-WX1 1000 projector on the basis of one carton box.

—Design and specifications are subject to change without notice.

- The projected images and comparison photos in this catalog are simulations.
- 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, DLP® chip, etc.) and cooling fans 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.
- 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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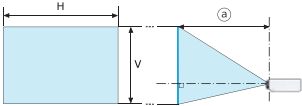
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June 2016

Projection Distance

H x V: Screen size

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



CP-WU9100B / CP-WU9100W

1,920x1,200 (Aspect ratio 16:10)

Projection distance Ⓐ	Item		m													
	Screen size		USL-901		SL-902		SD-903		ML-904		LL-905		UL-906			
	Type	H(m)	V(m)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	
Projection distance Ⓐ	80	1.7	1.1	1.4	1.7	2.0	3.0	2.8	4.3	4.2	6.4	6.0	9.8	9.6	15.3	
	100	2.2	1.3	1.7	2.1	2.5	3.8	3.5	5.3	5.2	7.9	7.6	12.2	12.0	19.0	
	120	2.6	1.6	2.0	2.5	3.0	4.5	4.3	6.4	6.3	9.5	9.1	14.7	14.3	22.8	
	300	6.5	4.0	5.1	6.3	7.6	11.3	10.7	16.0	15.7	23.9	22.9	36.9	35.5	56.5	
	500	10.8	6.7	8.4	10.5	12.7	18.9	17.8	26.6	26.1	39.8	38.2	61.5	59.0	94.0	
Projection distance Ⓐ	Item		inch													
	Screen size		USL-901		SL-902		SD-903		ML-904		LL-905		UL-906			
	Type	H(°)	V(°)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	
Projection distance Ⓐ	80	68	42	54	67	80	119	111	167	164	250	238	385	380	601	
	100	85	53	67	84	100	149	140	209	205	313	298	482	472	749	
	120	102	64	80	100	120	179	168	251	246	376	359	579	565	896	
	300	254	159	200	248	300	446	420	629	617	939	902	1452	1397	2225	
	500	424	265	332	413	501	744	700	1048	1029	1566	1505	2422	2322	3701	

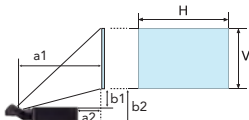
CP-HD9950B / CP-HD9950W

1,920x1,080 (Aspect ratio 16:9)

Projection distance Ⓐ	Item		m													
	Screen size		USL-901		SL-902		SD-903		ML-904		LL-905		UL-906			
	Type	H(m)	V(m)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	
Projection distance Ⓐ	80	1.8	1.0	1.4	1.8	2.1	3.1	2.9	4.4	4.3	6.5	6.2	10.0	9.9	15.7	
	100	2.2	1.2	1.8	2.2	2.6	3.9	3.6	5.5	5.4	8.2	7.8	12.6	12.3	19.5	
	120	2.7	1.5	2.1	2.6	3.1	4.7	4.4	6.6	6.4	9.8	9.4	15.1	14.7	23.4	
	300	6.6	3.7	5.2	6.5	7.8	11.7	11.0	16.4	16.1	24.5	23.5	37.9	36.5	58.1	
	500	11.1	6.2	8.7	10.8	13.1	19.4	18.3	27.4	26.9	40.9	39.3	63.2	60.6	96.6	
Projection distance Ⓐ	Item		inch													
	Screen size		USL-901		SL-902		SD-903		ML-904		LL-905		UL-906			
	Type	H(°)	V(°)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	
Projection distance Ⓐ	80	70	39	55	69	82	122	115	172	169	257	245	395	390	618	
	100	87	49	69	86	103	153	143	215	211	322	307	495	485	769	
	120	105	59	83	103	123	184	172	258	253	386	369	595	580	921	
	300	261	147	205	255	309	459	432	646	634	966	927	1493	1436	2288	
	500	436	245	341	425	515	765	720	1077	1058	1610	1548	2490	2387	3803	

H x V: Screen size

a1: Reflecting mirror surface to screen
a2: Projector end to screen
b1: Projector top to screen edge (closer edge to projector)
b2: Projector bottom to screen edge (closer edge to projector)



CP-WU9100B / CP-WU9100W

1,920x1,200 (Aspect ratio 16:10)

Type	Item		m													
	Screen size		USL-901		SL-902		SD-903		ML-904		LL-905		UL-906			
	Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1	b2	a1	a2	b1
Type	100	2.2	85	1.3	53	0.817	0.107	0.379	0.563	32	4	15	22	32	4	15
	120	2.6	102	1.6	64	0.969	0.258	0.467	0.651	38	10	18	26	38	10	18
	150	3.2	127	2.0	79	1.196	0.485	0.598	0.782	47	19	24	31	47	19	24
	200	4.3	170	2.7	106	1.574	0.864	0.816	1.000	62	34	32	39	62	34	32
	250	5.4	212	3.4	132	1.953	1.242	1.035	1.219	77	49	41	48	77	49	41
Type	300	6.5	254	4.0	159	2.331	1.620	1.253	1.437	92	64	49	57	92	64	49
	350	7.5	297	4.7	185	2.709	1.999	1.472	1.656	107	79	58	65	107	79	58

CP-HD9950B / CP-HD9950W

1,920x1,080 (Aspect ratio 16:9)

Item					m				inch			
Screen size					FL-910				FL-910			
Type	H(m)	H(°)	V(m)	V(°)	a1	a2	b1	b2	a1	a2	b1	b2
100	2.2	87	1.2	49	0.839	0.128	0.471	0.655	33	5	19	26
120	2.7	105	1.5	59	0.994	0.283	0.577	0.761	39	11	23	30
150	3.3	131	1.9	74	1.227	0.517	0.735	0.919	48	20	29	36
200	4.4	174	2.5	98	1.616	0.906	1.000	1.184	64	36	39	47
250	5.5	218	3.1	123	2.005	1.295	1.264	1.448	79	51	50	57
300	6.6	261	3.7	147	2.394	1.684	1.528	1.712	94	66	60	67
350	7.7	305	4.4	172	2.783	2.072	1.793	1.977	110	82	71	78



LINE UP



CP-WU9100B WUXGA 10,000lm CP-HD9950B Full HD 9,500lm CP-WU9100W WUXGA 10,000lm CP-HD9950W Full HD 9,500lm

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

Option lens

FL-910

Ultra short throw fixed lens

Zoom: x1.0

USL-901

Ultra short throw lens

Zoom: x1.3

SL-902

Short throw lens

Zoom: x1.5

SD-903

Standard lens

Zoom: x1.5

ML-904

Middle throw lens

Zoom: x1.5

LL-905

Long throw lens

Zoom: x1.6

UL-906

Ultra long throw lens

Zoom: x1.6

Image Quality

Built-in Dual Color Wheel

Two color wheels are built in to match usage conditions. By switching the color wheel, you can achieve an image quality to match the projected image. Previously requiring the services of an expert, Hitachi unique technology allows you to switch the color wheel in about 10 seconds with the remote control without having to open the chassis to install the color wheel.



Bright mode

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



Rich Color mode

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



ACCENTUALIZER and HDCR

ACCENTUALIZER makes pictures look more real by enhancing shade, sharpness, and gloss, to make pictures clearer. The HDCR function corrects blurred images caused by room lighting or outside light sources and creates an effect similar to increasing contrast resulting in clear images even in bright rooms.

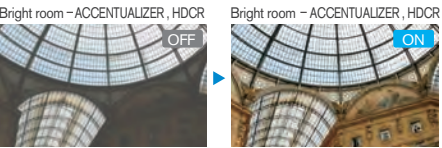
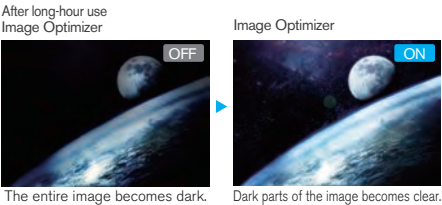


Image Optimizer

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

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



COLOR MANAGEMENT

This feature allows you to change HUE, SATURATION, LUMINANCE of each of 6 colors (red, green, blue, cyan, magenta, and yellow) without influencing each other. With this new technology, for example, you can change only bluish colors, such as the sky, while maintaining the other colors by adjusting the HUE of the blue.



Advanced Installability and System Features for Various Uses

Geometry Correction

Geometry correction is possible from your computer by using the specialized application. Projection is possible on spherical surfaces and surfaces with corners, as well as conventional flat screens.



Various Installation

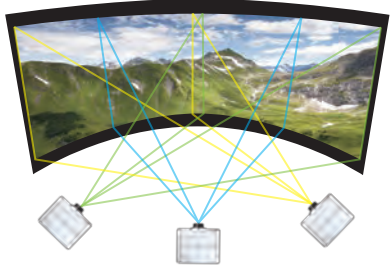
Projectors can be installed facing any vertical 360 degrees direction. In addition, by rotating the installation position of the projector 90 degrees *, you can project images that are vertically long. These features make it possible to provide various displays and image representations never before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



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

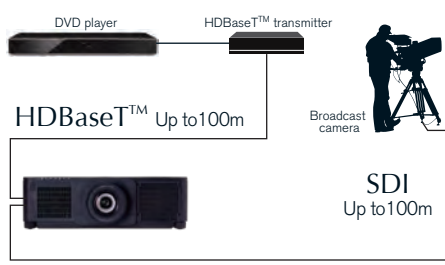
Edge Blending

The projectors are equipped with the Edge Blending function that achieves further seamless projection of one image using multiple projectors, and allow to project on a huge curved screen by using the geometry correction simultaneously.



5 Digital Inputs

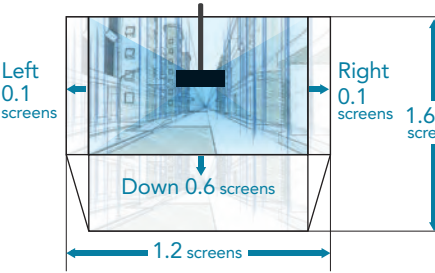
Equipped with an SDI input – the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable. Projectors provide 5digital inputs : SDI, HDBaseT, HDMI (x2), DVI-D.



Motorized Lens Shift

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

** The figure below shows the lens shift range for CP-WU9100B with the optional lens SD-903 at the ceiling mounting position.



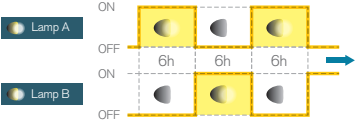
Ensuring High Reliability and Stability

24/7 Use

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

ALTERNATIVE mode

When the CYCLE TIME is set to 6 hours



Status Monitor

The status monitor is a sub-LCD located on the rear panel of the projector. It displays the present condition of the projector, including errors, setup information, and error history.

Real time monitoring

- Lamp time
- Filter time
- Projector usage time
- IP Address



Error and alarm message

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



An error message turns on.

Monitoring Projector Status

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

* Available information depends on the model of projector. The optional USB wireless adapter USB-WL-11N supporting IEEE801.11b/g/n is required when you connect the projector to wireless network.



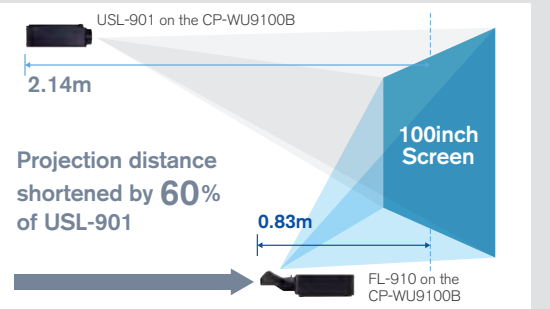
Ultra short throw fixed lens

All Glass lens

FL-910 uses all glass lenses that reduce the blurring that occurs under changes between high and low temperature.

Ceiling mount HAS-404U

Ceiling mount bracket with 6-axis adjustment mechanism. Adopt Jack system, easy to adjust elevation.



Other Features

- Network
- Projector Control
- Wireless capability (option)
- Easy Scheduling Setting
- Network presentation
- Installability
- Perfect fit
- Instant stack
- Lens center design
- Security
- PIN lock
- Key lock
- Lens lock
- Usability
- Multi-language user menu
- Direct Power On/Off
- Magnify
- PbyP / PinP
- DICOM® simulation mode
- Remote ID
- Wired/Wireless(IR) remote control
- Low noise level
- Go green
- Eco mode
- Saving standby