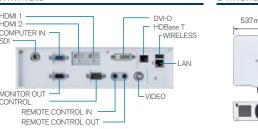
### Specifications

Shecu	ications		
Model name	Black cabinet color	CP-WU9100B	CP-HD9950B
	White cabinet color	CP-WU9100W	CP-HD9950W
Display system		1-chip DLP®	
Display device	Size of effective	0.6711	0.65" x 1, aspect ratio 16:9
	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	al) 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	e 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: E	YNAMIC, Active iris: THEATER)
Displayable Horizontal		15k-106kHz	
scanning freq	uency Vertical	50-120Hz	
Terminals (	COMPUTER IN	Mini D-sub 15-pin connector x 1	
N	MONITOR OUT	Mini D-sub 15-pin connector x 1	
_	/IDEO	BNC connector x 1	
F	HDBaseT	RJ-45 connector × 1	
F	HDMI IN	HDMI connector x 2	
	OVI-D IN	DVI-D connector x 1	
5	SDI IN	BNC connector x 1	
Ī	.AN	RJ-45 connector × 1	
<u></u>	VIRELESS	USB type A x 1 (Used for wireless network)	
F	REMOTE CONTROL IN	3.5mm (stereo) mini connector x 1	
F	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		AC110 - 120V (50Hz / 60Hz), 10.2A / AC220 - 240V (50Hz / 60Hz), 5.6A	
Power consumption		AC110 - 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		Lens unit: FL-910 (Ultra short throw fixed lens) USL-901 (Ultra short throw lens) SL-902 (Short throw lens) SD-903 (Standard lens) ML-904 (Short throw lens)	Filter set: UX39551  Mounting accessories: HAS-9110 (Bracket for fixing mount) HAS-1045 (Slim adapter for fixing mount) HAS-204L (Standard adapter for fixing mount) HAS-304H (Long adapter for fixing mount) HAS-404U (Ceiling mount with 6-axis adjustment) USB wireless adapter: USB-WL-11N





# 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 electr
  2: Compared to Hitachi CP-WX11000 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.
- DICOM is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical info
- DLP® and the DLP logo are registered trademarks of Texas Instruments.
  Crestron® and Crestron RoomView® are registered trademarks of Crestron Electronics, Inc. in the United States and other countries.

  HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other co
- HDBaseT <sup>™</sup> and the HDBaseT Alliance logo are trademarks of the HDBaseT Alliance.
   All other trademarks are the properties of their respective owners.

# pixelworks<sup>th</sup>

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

1.920x1.080 (Aspect ratio 16:9)





# **HITACHI**

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H x V: Screen size

Throw ratio = a[m] / H[m]

H x V: Screen size a1: Reflecting mirror surface to scree 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

CP-HD9950B / CP-HD9950W

CP-WU9100B / CP-WU9100W

(a): Projection distance (from the projector's front panel to screen) (±10%)

 min.
 max.
 min.
 min.
 <th

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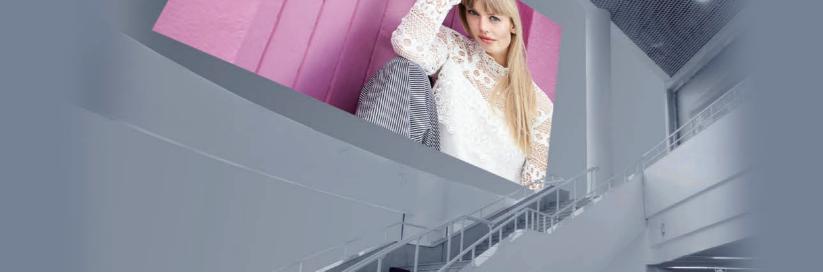
June 2016

**DLP® Projectors** 





NM-E412 062016



# **LINE UP**









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

Option lens

FL-910

SD-903

ML-904

Various Installation

360° projection

Portrait projection

# 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.



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.



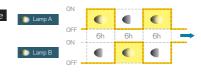




# Ensuring High Reliability and Stability

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



### Status Monitor

The status monitor is a Real time monitoring sub-LCD located on the · Lamp time · Filter time rear panel of the Projection uson projector. It displays the present condition of the projector, including errors, setup information, and error history.

· Projector usage time



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.

# Advanced Installability and System Features for Various Uses

Projectors can be installed facing any

vertical 360 degrees direction. In addition,

by rotating the installation position of the

projector 90 degrees \*1, you can project

images that are vertically long. These features make it possible to provide

various displays and image

representations never before possible.

### 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.





correction simultaneously.





Curved screen Curved screen Spherical object Corner wall

**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

# 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.

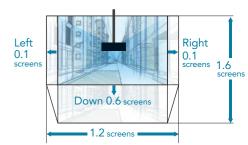
# The motorized lens shift lets you choose more convenient installation location, even for large \*\* The figure below shows the lens shift range for CP-WU9100B

Motorized Lens Shift

\*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.

with the optional lens SD-903 at the ceiling mounting position.





# Ultra short throw fixed lens

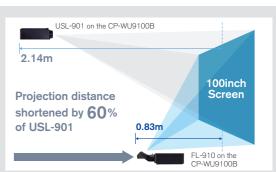
### All Glass lens

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