LP-WU9100B DLP Laser Projector

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Key Features

- WUXGA 1920 x 1200
- 10,000 ANSI Lumens Brightness
- Laser Phosphor Light Source
- 360° Installation
- Motorized Zoom, Focus and Lens Shift
- Suitable for Heavy Usage, Digital Signage and 24/7 Applications
- Maintenance Free!
- Five Digital Inputs: HDBaseT, HDMI x 2, DVI-D x 1, 3G SDI x 1
- Wide Range of Lens Options - Compatible with Hitachi's 9000 Series Lenses
- Supports Web Control, PJLink, Crestron Roomview, AMX, and Extron XTP

Hitachi's first 10,000 ANSI lumens, 1-chip DLP® laser light source projector delivering larger-than-life performance.

Hitachi is excited to announce our first solid state light source LP-WU9100B 10,000 lumen 1-chip DLP laser light source projector. The new laser diode light source offers approximately 20,000 hours of operation time and is maintenance free, there is no lamp or filter to replace providing a dramatic reduction in total cost of ownership. It can provide 24/7 use for digital signage applications and is a perfect choice for large auditoriums, conference rooms, museums, and concert or stage productions. Plus, 10,000 ANSI lumens brightness and 30000:1 contrast ratio results in a super bright display with outstanding image clarity and uniformity. Always on the cutting-edge of technology, Hitachi's LP-WU9100B is an HDBaseT™-enabled projector which delivers whole-home and commercial distribution of uncompressed HD multimedia content over a single CAT5e/6 cable. HDBaseT is unique in its ability to provide professional installers with a much simpler and more cost-effective way to transmit uncompressed HD video up to 328 ft. No matter how large the application environment, the LP-WU9100B delivers larger-than-life performance. For added peace of mind, Hitachi's LP-WU9100B is also backed by a generous warranty and our world-class service and support programs.

1.800.HITACHI
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hitachi-america.us/projectors

PICTURE BY DLP TEXAS INSTRUMENTS

HDBT™

YouTube

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UNIQUE FEATURES

Accentualizer

Hitachi original technology makes pictures look more real by enhancing sharpness, gloss and 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.

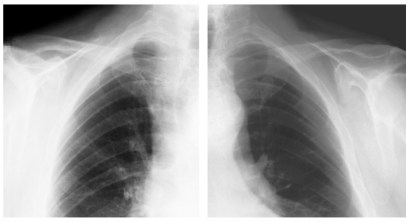
Color Management

This feature allows you to change HUE, SATURATION and LUMINANCE of each 6 colors (red, green, blue, cyan, magenta and yellow) without influencing each other. With this 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.

DICOM® Simulation Mode

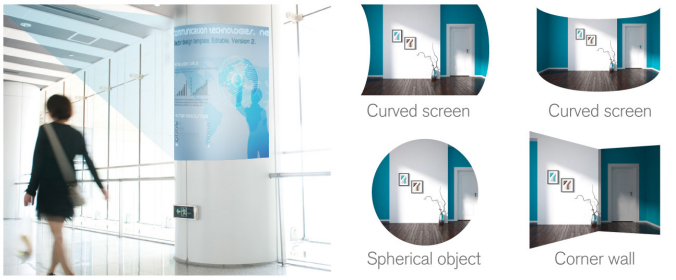
The DICOM (Digital Imaging and Communications in Medicine) Simulation Mode projects grayscale images which approximate DICOM Part 14 specifications. This mode is ideal for viewing grayscale medical images, such as X-rays, for training and educational purposes.

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.



Geometric Correction (Warping)

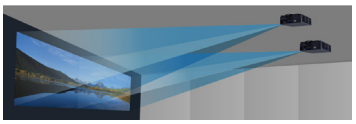
Geometric correction is possible from your computer by using the specialized application. Projection is possible on spherical surfaces and surfaces with corners, as well as conventional flat screens.



Edge Blending

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

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



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.

Maintenance Free Operation

Approximately 20,000 hours of maintenance free operation. There is no need to replace a lamp or air filter, providing a dramatic reduction in the total cost of ownership and time spent changing bulbs.

Network Control, Maintenance and Security

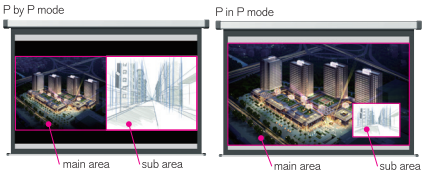
Embedded networking gives you the ability to manage and control multiple projectors over your LAN. Features include scheduling of events, centralized reporting, image transfer and e-mail alerts for reactive and routine maintenance.

Perfect Fit

Enables the user to adjust individual corners independent of one another. This feature helps correct geometric and complicated distortions. Perfect Fit allows the projected image to fit correctly to the screen quickly and easily.

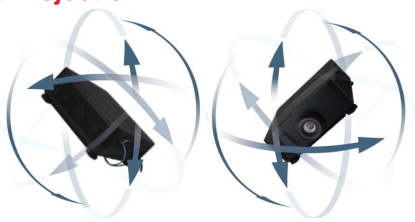
Picture by Picture and Picture in Picture

Images from two input signals 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.



360° Rotation/Portrait Projection

Display rotation of 360° and portrait projection for creative applications and greater installation flexibility.



3D system by DLP Link

A special 3D emitter is no longer needed for 3D viewing.

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New technology for high brightness and reliability with a lower cost of ownership.

Hitachi's LP-WU9100B laser projector is truly a technology achievement with premier performance for demanding application environments including large auditoriums, conference rooms, museums and concert or stage productions. It can also provide

24/7 use for digital signage applications. An array of new technology features includes Quick Start/Quick Off, Quad Laser Bank System, Phosphor Wheel, Dust Resistant Sealed Engine, and a more efficient cooling system. As Hitachi's first 10,000 ANSI lumen, 1-chip DLP laser light source projector, combined with WUXGA 1920 x 1200 resolution, the LP-WU9100B will deliver dynamic images guaranteed to dazzle any audience. All this combined with state-of-the-art connectivity features elevates the LP-WU9100B to the forefront in projector performance, reliability and overall quality. The LP-WU9100B greatly enhances the overall viewing experience, adding an entirely new dimension and level of excitement. Hitachi is the brand name synonymous with advanced projector technology and innovation, and the LP-WU9100B lives up to that reputation.

Front View

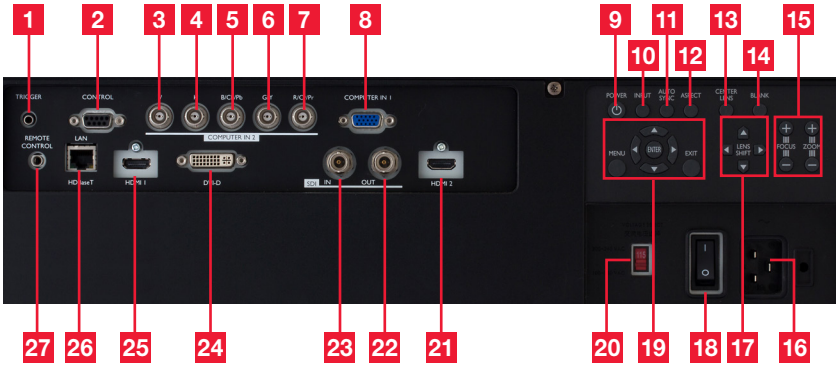
Ceiling Mount

Top View

Side Left

Side Right

Input/Outputs



1. 12V Output (Option)
2. Control (RS-232C)
3. V-Sync
4. H-Sync
5. B/Cb/Pb
6. G/Y
7. R/Cr/Pr
8. Computer in 1
9. Power
10. Input
11. Auto
12. Aspect
13. Lens Centering
14. Blank
15. Zoom/Focus
16. AC In
17. Lens Shift
18. AC Switch
19. Menu Controls
20. Voltage Selector
21. HDMI2
22. SDI Out
23. SDI In
24. DVI-D
25. HDMI1
26. HDBaseT
27. Remote Control

LP-WU9100B

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Accessories and Lenses

Supplied Accessories	Power cord, remote control, AA batteries x 2, wired remote cable, RS-232C cable, RGB cable, lens cover and cap, security label, user's manual CD, user's manual
Optional Lenses	7 optional lenses are available: FL920, USL901A, SL902, SD903, ML904, LL905, UL906

Replacement Parts

Power Cable	EV03141
Remote Control	HL02806

Projection Throw Chart

Screen Size 16:10		Throw Distance	
Diagonal	**Width**	**Min**	**Max**
50	42	69	104
80	68	111	167
100	85	139	209
150	127	209	314
200	170	279	419
250	212	349	523
300	254	420	628
350	297	490	733
400	339	560	838
500	424	700	1048
600	509	840	1257

Throw Ratio: 1.6 - 2.4 : 1 (distance : width)
Screen size and throw distance are measured in inches with standard lens SD903.

Projection Lens Chart

Lens	Inches	Meters
FL920	0 - 22	0 - 0.55
USL901A	64 - 81	1.6 - 2.0
SL902	97 - 146	2.5 - 3.7
SD903	137 - 207	3.5 - 5.3
ML904	201 - 309	5.1 - 7.9
LL905	294 - 478	7.5 - 12.1
UL906	469 - 745	11.9 - 18.9

Projection distances measured in inches and meters with standard lens and optional lenses when projecting onto a 100" diagonal screen.

Specifications

Display	**Projection Technology**	Single Chip DLP
	Resolution	WUXGA - 1920 x 1200
	Brightness	10,000 ANSI lumens
	Colors	1.07 billion colors
	Aspect Ratio	Native 16:10, 4:3 and 16:9 compatible
	Contrast Ratio	30000 : 1
	Throw Ratio (distance : width)	Specifications will vary depending on which lens is used with the projector
	Focus Distance	71" - 1256" (with SD903 lens)
	Display Size	50" - 600"
Operation	**Lens**	Specifications will vary depending on which lens is used with the projector
	Expected Light Source Life*	Approximately 20,000 hours
	Speaker Output	N/A
	Keystone	H: +/-60° and V: +/-40°
Compatibility	**Computer**	VGA, SVGA, XGA, WXGA, WXGA+/SXGA/SXGA+/WSXGA+/ UXGA/WUXGA, MAC 16"
	H-Sync	15 kHz - 91 kHz
	V-Sync	48 Hz - 85 Hz
	Component Video	480i, 480p, 576i, 720p, 1080i, 1080p
	HDMI	480i, 480p, 576i, 720p, 1080i, 1080p, Computer signal TMDS clock 27 MHz - 150 MHz
Connectors	**Digital Input**	HDBaseT x 1, HDMI x 2, DVI-D x 1, SDI In/Out
	3G-SDI In	BCN connector x 1
	3G-SDI Out	BCN connector x 1
	DVI-D	DVI-D connector x 1
	HDMI	HDMI x 2
	Computer Input 1	15-pin mini D-sub x 1
	Computer Input 2	5 BNC x 1 (shared with Component Video Input)
	Video Input/ Component Video	5 BNC x 1 (shared with Computer 2 Input)
	Network (LAN) Wired	RJ-45 jack x 1
	HDBaseT	RJ-45 jack x 1
	Wired Remote Control	3.5 mm stereo mini jack
	Control Terminals	9-pin D-sub x 1 (RS-232 control)
Ratings & Warranty	**Power Supply**	AC 100-120V / AC 220 -240V, 50-60HZ
	Power Consumption	1340W / 1240W
	Operating Temperature	32°F - 113°F (0°C-45°C)
	Dimensions (W x D x H)	19.7" x 22.7" x 8.5"
	Weight	Approximately 61.7 lbs.
	Approvals	UL 60950-1 / cUL FCC Part 15 subpart B class A

* Actual light source life will vary by individual light source based on environmental conditions, selected operating mode, user settings and usage. Hours of average light source life specified are not guaranteed and do not constitute part of the product or light source warranty. Light source brightness decreases over time.

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