

# LP-WU9750 DLP Laser Projector

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## Key Features

- WUXGA 1920 x 1200
- 8,000 ANSI lumens white/color output
- Laser Phosphor Light Source
- Edge Blending & Warping
- Portrait Projection
- 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, and AMX



## Hitachi's first 8,000 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-WU9750 8,000 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, 8,000 ANSI lumens light output and 20000:1 contrast ratio results in a super bright display with outstanding image clarity and uniformity. Always on the cutting-edge of technology, Hitachi's LP-WU9750 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-WU9750 delivers larger-than-life performance. For added piece of mind, Hitachi's LP-WU9750 is also backed by a generous warranty and our world-class service and support programs.



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Web: [www.hitachi.com.au/dps](http://www.hitachi.com.au/dps)

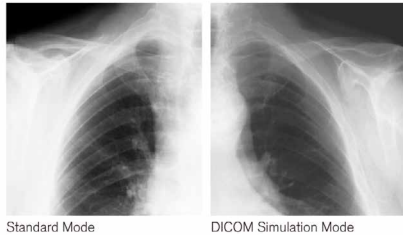


## UNIQUE FEATURES

### 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.



### Dust Resistant Sealed Engine



The air tight structure of the optical engine makes it possible to minimize dust particles entering which could eventually lead to a decrease in brightness. This construction gives the projector resistance to the effects of dust and enables the projector to be used in a wide variety of environments.

### 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.



### Reduced Maintenance and Running Costs



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.

### Motorized Zoom, Focus and Lens



#### Shift Control

Allows for greater range of installation possibilities. With the motorized function you can make fine adjustments through the remote control or RS232/IP device.

### New Phosphor Wheel



A new heat-resistant material is used in the phosphor wheel to withstand the high output from the laser light source.

### 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



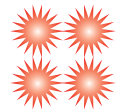
Enables the content from two input sources to be displayed simultaneously, side by side on one screen. You can use two sources including 2 HDMI, with both images sharing equal screen size. The feature is ideal for teleconferencing applications.

### Picture In Picture



Enables you to display one image inside another image using two sources including 2 HDMI.

### Quad Laser Bank System



Quad-Drive Optical engine comprises four module grouping laser diodes into independent light sources. The use of four separate laser modules means that in the unlikely event of one light source failing, projection continues with no perceivable drop in brightness.

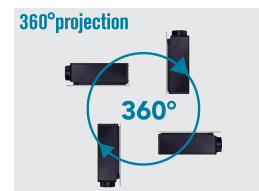
### Warping

Warping 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.



### 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.

# LP-WU9750 DLP Laser Projector

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

Hitachi's LP-WU9750 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 8,000 ANSI lumen, 1-chip DLP laser light source projector, combined with WUXGA 1920 x 1200 resolution, the LP-WU9750 will deliver dynamic images guaranteed to dazzle any audience. All this combined with state-of-the-art connectivity features elevates the LP-WU9750 to the forefront in projector performance, reliability and overall quality. The LP-WU9750 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-WU9750 lives up to that reputation.



Front View



Ceiling Mount



Top View

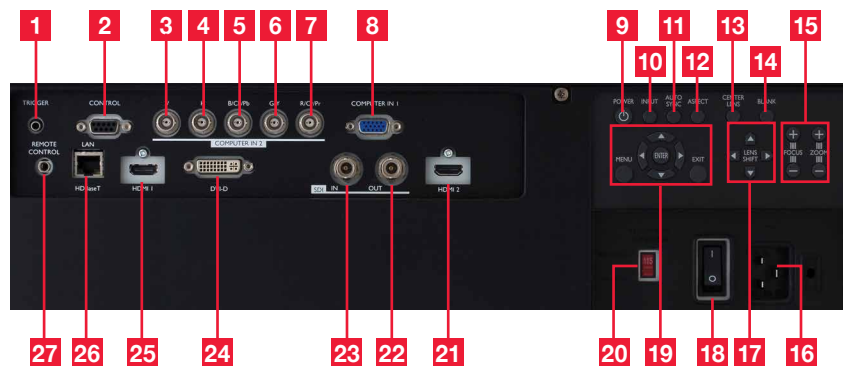


Side Left



Side Right

## Input/Outputs



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

# LP-WU9750

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Web: [www.hitachi.com.au/dps](http://www.hitachi.com.au/dps)



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## Accessories and Lenses

|                             |                                                                                                                                    |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Supplied Accessories</b> | Power cord, computer cable, remote control, AA battery x 2, RS232C cable, manual CD, application CD, user's manual, security label |
| <b>Optional Lenses</b>      | 7 optional lenses are available, FL-920, USL901, SL902, SD903, ML904, LL905, UL906                                                 |

## Replacement Parts

|                       |         |
|-----------------------|---------|
| <b>Remote Control</b> | HL03141 |
|-----------------------|---------|

## Projection Throw Chart

Screen Size 16:10

Throw Distance

| Diagonal      | Width         | Min            | Max            |
|---------------|---------------|----------------|----------------|
| 1.27m (50")   | 1.07m (42")   | 2.59m (102")   | 3.96m (156")   |
| 2.03m (80")   | 1.73m (68")   | 4.14m (163")   | 6.35m (250")   |
| 2.54m (100")  | 2.16m (85")   | 5.21m (205")   | 7.92m (312")   |
| 3.81m (150")  | 3.23m (127")  | 7.82m (308")   | 11.91m (469")  |
| 5.08m (200")  | 4.32m (170")  | 10.44m (411")  | 15.90m (626")  |
| 6.35m (250")  | 5.38m (212")  | 13.06m (514")  | 19.86m (782")  |
| 7.62m (300")  | 6.45m (254")  | 15.67m (617")  | 23.85m (939")  |
| 8.89m (350")  | 7.54m (297")  | 18.26m (719")  | 27.84m (1096") |
| 10.16m (400") | 8.61m (339")  | 20.88m (822")  | 31.80m (1252") |
| 12.70m (500") | 10.77m (424") | 26.11m (1028") | 39.78m (1566") |
| 15.24m (600") | 12.93m (509") | 31.34m (1234") | 47.73m (1879") |

Throw Ratio: 2.4 - 3.6 : 1 (distance : width)

Screen size and throw distance are measured in meters and inches with standard lens ML904.

## Projection Lens Chart

| Lens          | Inches    | Meters      |
|---------------|-----------|-------------|
| <b>ML904</b>  | 201 - 309 | 5.1 - 7.9   |
| <b>USL901</b> | 64 - 81   | 1.6 - 2.0   |
| <b>SL902</b>  | 97 - 146  | 2.5 - 3.7   |
| <b>SD903</b>  | 137 - 207 | 3.5 - 5.3   |
| <b>LL905</b>  | 294 - 478 | 7.5 - 12.1  |
| <b>UL905</b>  | 469 - 745 | 11.9 - 18.9 |
| <b>FL920</b>  | 0 - 22    | 0 - 0.55    |

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

## Specifications

|                    |                                          |                                                                                   |
|--------------------|------------------------------------------|-----------------------------------------------------------------------------------|
| Display            | <b>Projection Technology</b>             | Single Chip DLP                                                                   |
|                    | <b>Resolution</b>                        | WUXGA - 1920 x 1200                                                               |
|                    | <b>White Light Output</b>                | 8,000 ANSI lumens                                                                 |
|                    | <b>Color Light Output</b>                | 8,000 ANSI lumens                                                                 |
|                    | <b>Colors</b>                            | 1.07 billion colors                                                               |
|                    | <b>Aspect Ratio</b>                      | Native 16:10 and 4:3 / 16:9 compatible                                            |
|                    | <b>Contrast Ratio</b>                    | 20000 : 1 (using active IRIS)                                                     |
|                    | <b>Throw Ratio</b><br>(distance : width) | Specifications will vary depending on which lens is used with the projector       |
|                    | <b>Focus Distance</b>                    | 102" - 187" (with standard lens)                                                  |
|                    | <b>Display Size</b>                      | 50" - 600"                                                                        |
| Operation          | <b>Lens</b>                              | Specifications will vary depending on which lens is used with the projector       |
|                    | <b>Expected Light Source Life*</b>       | Approximately 20,000 hours                                                        |
|                    | <b>Speaker Output</b>                    | N/A                                                                               |
| Compatibility      | <b>Keystone</b>                          | H: +/-60° and V: +/-40°                                                           |
|                    | <b>Computer</b>                          | VGA, SVGA, XGA, WXGA, WXGA+/SXGA/SXGA+/WSXGA+/UXGA/WUXGA, MAC 16"                 |
|                    | <b>H-Sync</b>                            | 15 kHz - 106 kHz                                                                  |
|                    | <b>V-Sync</b>                            | 50 Hz - 120 Hz                                                                    |
|                    | <b>Composite Video</b>                   | NTSC, NTSC4.43, PAL, PAL-M, -N, SECAM                                             |
| Connectors         | <b>Component Video</b>                   | 480i, 480p, 576i, 720p, 1080i, 1080p                                              |
|                    | <b>HDMI</b>                              | 480i, 480p, 576i, 720p, 1080i, 1080p, Computer signal TMDS clock 27 MHz - 150 MHz |
|                    | <b>Digital Input</b>                     | HDBaseT x 1, HDMI x 2, 3G-SDI In/Out, DVI-D x 1                                   |
|                    | <b>3G-SDI In</b>                         | BCN connector x 1                                                                 |
|                    | <b>3G-SDI Out</b>                        | BCN connector x 1                                                                 |
|                    | <b>DVI-D</b>                             | DVI-D connector x 1                                                               |
|                    | <b>HDMI</b>                              | HDMI x 2                                                                          |
|                    | <b>Computer Input 1</b>                  | 15-pin mini D-sub x 1                                                             |
|                    | <b>Computer Input 2</b>                  | 5 BNC connector x 1                                                               |
|                    | <b>Network LAN Wired</b>                 | RJ-45 jack x 1                                                                    |
| Ratings & Warranty | <b>HDBaseT</b>                           | RJ-45 jack x 1                                                                    |
|                    | <b>Wired Remote Control</b>              | 3.5 mm stereo mini jack                                                           |
|                    | <b>Control Terminals</b>                 | 9-pin D-sub x 1 (RS-232 control)                                                  |
|                    | <b>Trigger</b>                           | 3.5 mm stereo mini jack                                                           |
|                    | <b>Power Supply</b>                      | AC90-138V / AC180-264V, 50/60HZ                                                   |
|                    | <b>Power Consumption</b>                 | 885W / 845W                                                                       |
|                    | <b>Operating Temperature</b>             | Normal mode : 0-35°C,<br>Eco mode : 0-40°C                                        |
|                    | <b>Dimensions (W x D x H)</b>            | 500x205x580mm (without lens)                                                      |
|                    | <b>Weight</b>                            | Approximately 29kg (without lens)                                                 |
|                    | <b>Approvals</b>                         | RCM class A (AU/ NZ), UL New Zealand (AU/ NZ)                                     |
|                    | <b>Warranty</b>                          | 3 year limited parts and labor                                                    |

\* 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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Toll Free: 1800 HITACHI • Email: [dps@hitachi.com.au](mailto:dps@hitachi.com.au)

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