## Specifications

| | | |
|---|---|---|
| Model name | | LP-WU6500 |
| Display system | | 1-chip DLP® |
| Display device | Size of effective display area | 0.67" DLP® chip × 1, aspect ratio 16 : 10 |
| | Number of pixels | 2,304,000 pixels (1,920 horizontal × 1,200 vertical) |
| Lens | Zoom | Manual (1.65×) |
| | Focus | Manual |
| | Lens shift | Manual (V : +63 ~ +75%, H : ±2.5%) |
| Light source | | Laser diode |
| Screen size | | 36.7 - 201.9 inch |
| Light output (Brightness) | | 5,000 lm[*1] |
| Contrast ratio (full white / full black) | | 30,000 : 1[*1] |
| Speaker | | 5W × 2 (stereo) |
| Displayable scanning frequency | Horizontal | 15 ~ 91 kHz |
| | Vertical | 24 ~ 85 Hz |
| Terminals | HDBaseT | RJ-45 jack × 1 |
| | HDMI IN | HDMI connector × 3 *HDMI IN 3 supports MHL input. |
| | COMPUTER IN | Mini D-sub 15-pin connector × 1 |
| | MONITOR OUT | Mini D-sub 15-pin connector × 1 |
| | VIDEO IN | RCA connector × 1 |
| | 3D SYNC OUT | VESA 3-pin connector × 1 |
| | AUDIO IN | 3.5mm mini connector × 1, RCA connector (L, R) × 1 |
| | AUDIO OUT | RCA connector (L, R) × 1 |
| | CONTROL IN (RS-232C) | D-sub 9-pin connector × 1 |
| | LAN (RJ45) | RJ-45 connector × 1 |
| | USB POWER | USB type A × 1 (5V / 1.5A output) |
| | SERVICE | USB mini type B × 1 |
| Operating temperature | | 0 - 40℃[*2] |
| Power requirements | | AC 100 - 240V (50 / 60Hz), 5A |
| Power consumption | | 500W |
| Standby mode power consumption | | Less than 0.5 W  (Low Power Mode On) |
| Standard outside dimension (W × H × D) | | 360mm × 164mm  × 442mm |
| Weight | | Approx. 11.4kg |
| Accessories | | Remote control with batteries, Power cord, Computer cable, 3D sync cable, User's Manual (Book, CD) |
| Optional parts | | HAS-L5000 (Bracket for fixing mount) HAS-104S (Slim adapter for fixing mount) HAS-204L (Standard adapter for fixing mount) HAS-304H (Long adapter for fixing mount) |

*1 : Laser Mode is set to Normal. *2 : The brightness of light source may be reduced automatically over 35℃ at altitude from 0 to 1,520 m (0 to 5,000 ft), over 25℃ at altitude from 1,520 to 3,050 m (5,000 to 10,000 ft.) *3 : LAN and RS-232C are inactive in a standby state.

## Environment

▶ **Compliance with EU Directive RoHS[*1]**
▶ **Power saving mode (Low Power Mode On) engaged during standby**
▶ **Laser mode** Laser mode provides power saving.
▶ **No use of mercury lamp**

**\*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".

—**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 (light source, 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. • During use and immediately after use, do not touch anywhere near the vents as these parts are extremely hot.
• 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. • DICOM is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information. • MHL, the MHL logo, and Mobile High-Definition Link are trademarks or registered trademarks of MHL, LLC in the United States and other countries. • HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries. • HDBaseT™ and the HDBaseT Alliance logo are trademarks of the HDBaseT Alliance. • All other trademarks are the properties of their respective owners.
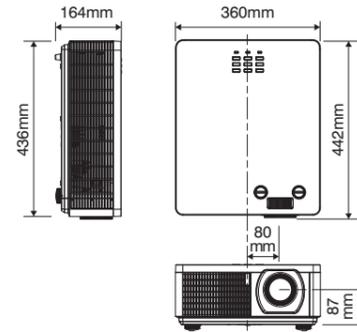
• This projector is a CLASS 1 LASER PRODUCT (IEC/EN 60825-1:2014).
(CLASS 3R LASER PRODUCT (IEC/EN 60825-1:2007) for the U.S.A. and Canada)

**LASER RADIATION**
AVOID DIRECT EYE EXPOSURE
CLASS 3R LASER PRODUCT
Wavelength : 450-460 nm  Max, Pulse energy: 0.698 mJ.
Pulse duration: 1.34 ms  IEC/EN 60825-1:2007

**RAYONNEMENT LASER**
ÉVITER D'EXPOSER DIRECTEMENT LES YEUX
PRODUIT LASER DE CLASSE 3R
Longueur D'onde : 450-460 nm
Energie D'impulsion Max. : 0.698 mJ.
Durée de L'impulsion : 1.34 ms  IEC/EN 60825-1:2007

**LASERSTRAHLUNG**
DIREKTE EXPOSITION DER AUGEN VERMEIDEN
LASERPRODUKT DER KLASSE 3R
Wellenlänge : 450-460 nm  Max.Pulsenergie: 0.698 mJ.
Pulsdauer: 1.34 ms  IEC/EN 60825-1:2007

雷射輻射
避免眼睛受到直接照射
3R級雷射產品
波長 : 450~460nm
最大脈衝能量 : 0.698 mJ
脈衝持續時間:1.34 ms  IEC/EN 60825−1:2007

## Dimensions

164mm    360mm
436mm    442mm
80mm    87mm
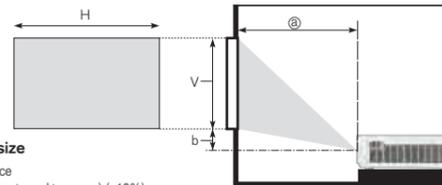
## Projection Distance

H x V : Screen size
ⓐ : Projection distance
(from the projector's front panel to screen) (±10%)
*This figure is not drawn to scale.

H x V : Screen size

**1,920×1,200 (Aspect ratio 16:10)**

| Screen Type | Screen size | | | | Projection distance ⓐ | | | | Screen height : b | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | H | | V | | Min. | | Max. | | Min. | | Max. | |
| In. | m | Inch. | m | Inch. | m | Inch. | m | Inch. | m | Inch. | m | Inch. |
| 60 | 1.3 | 51 | 0.8 | 32 | 1.5 | 59 | 2.4 | 96 | 0.11 | 4 | 0.20 | 8 |
| 80 | 1.7 | 68 | 1.1 | 42 | 2.0 | 78 | 3.3 | 129 | 0.14 | 6 | 0.27 | 11 |
| 100 | 2.2 | 85 | 1.3 | 53 | 2.5 | 98 | 4.1 | 161 | 0.18 | 7 | 0.34 | 13 |
| 120 | 2.6 | 102 | 1.6 | 64 | 3.0 | 117 | 4.9 | 193 | 0.21 | 8 | 0.40 | 16 |
| 150 | 3.2 | 127 | 2.0 | 79 | 3.7 | 146 | 6.1 | 241 | 0.26 | 10 | 0.50 | 20 |
| 200 | 4.3 | 170 | 2.7 | 106 | 5.0 | 195 | 8.2 | 322 | 0.35 | 14 | 0.67 | 26 |

## Terminals

1.HDMI 1  2.HDMI 2  3.HDMI 3 / MHL  4.MONITOR OUT  5.COMPUTER IN  6.VIDEO  7.3D SYNC  8.SERVICE  9.USB POWER  10.RJ45  11.HDBaseT  12.RS-232C  13.AUDIO OUT  14.AUDIO IN  15.AUDIO IN (L/R)

# LASER Projector

# HITACHI
## Inspire the Next

# Equipped with a long-life laser light source. The projector is capable of long continuous projection.

LP-WU6500

*Projected images are simulations.

With a stable projection performance and high installability, the laser projector is suitable for various purposes.

# LP-WU6500
WUXGA | 5,000 lm
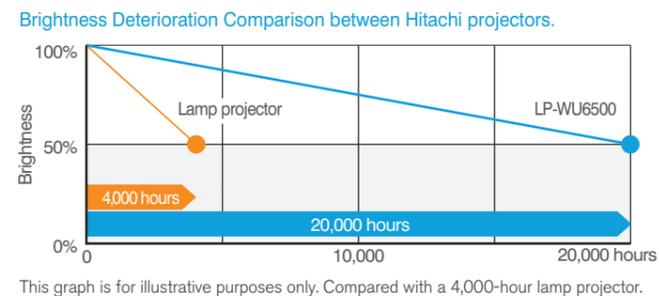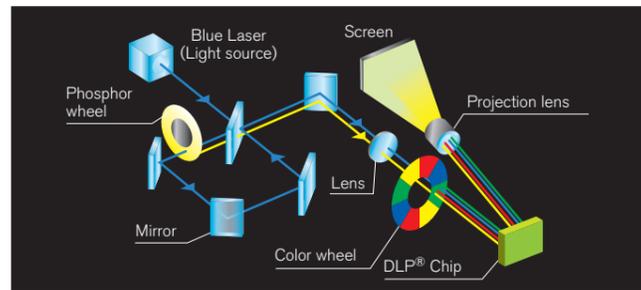
LASER Light Source

HDMI® | HDBT™ | MHL™

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# High Reliability and Stability

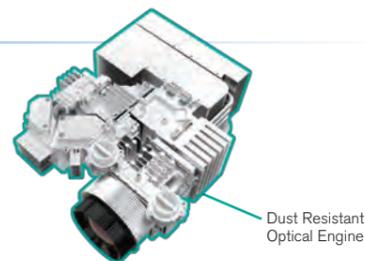## Long life 20,000 hours*1 Laser light source

Light source combined Blue laser diodes and Phosphor can achieve 5,000 lumens. The projection image is bright, clear and vivid color. Since lamp exchange is unnecessary, maintenance cost is reduced. Furthermore, you do not need to worry about lamp life, and it is fit for digital signage purposes that require long hours of continuous projection. Because the product does not use mercury lamps, it is eco-friendly.
With an approximate light source life of 20,000 hours, the LASER projector series is suitable for venues such as museums, restaurants and digital signage.

*1 For laser light source. Not a guaranteed value.

Brightness Deterioration Comparison between Hitachi projectors.

Blue Laser (Light source) · Screen · Phosphor wheel · Projection lens · Lens · Mirror · Color wheel · DLP® Chip

Lamp projector / LP-WU6500
4,000 hours / 20,000 hours

This graph is for illustrative purposes only. Compared with a 4,000-hour lamp projector.

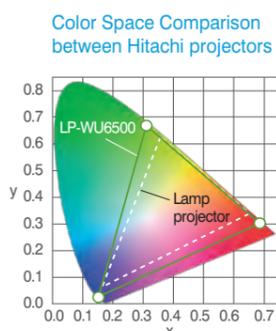## Dust Resistant Optical Engine with Heat Pipe Cooling System

Reduces the invasion of dust and other particles in the air that decreases the brightness when they get attached to the optical parts. Reduces the decrease in brightness due to dust, resulting in a long lasting bright, clear, and vivid colored picture. Eliminates the intake filter and filter maintenance.
Achieved efficient cooling by adopting a heat pipe cooling system for the laser module. Contributes to the module's reliability due to its capabilities in reducing thermal stress.

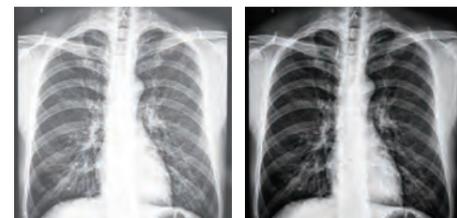Dust Resistant Optical Engine

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# High Image Quality

## Wide range of Color Reproduction

The color reproduction range is wide compared to lamp light projectors and projects brilliantly colored images.

Color Space Comparison between Hitachi projectors
LP-WU6500 / Lamp projector

## DICOM® Simulation Mode

This mode is suitable for viewing grayscale medical images, such as X-rays, for training and educational purposes.

Normal Mode | DICOM® Simulation Mode

This projector is not a medical device and is 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.
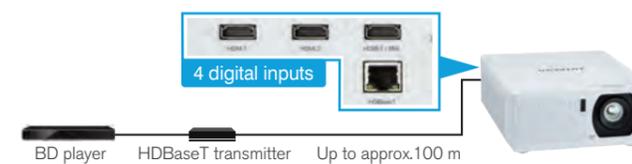
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# Flexible Installation

## 360° Projection

This projector provides great installation flexibility as it can be installed at various angle. By rotating the projector 90 degrees, you can project vertically long images (Portrait Projection).*2

*2 The life of optical parts may shorten if the projector is installed at PORTRAIT projection situation.

Portrait projection

360° / 90°

## Digital Connectivity

Equipped with HDBaseT™ input, capable of transmitting signals with no image degradation using standard LAN cables (Cat5e or higher, shielded type) of up to approx.100 m. This projector provides 4 digital inputs: HDBaseT, HDMI1/2/3.

4 digital inputs

BD player | HDBaseT transmitter | Up to approx.100 m

## Laser Power Level Control

Power of laser light source is controllable by every 1% step*3.
It allows the brightness of projection image fits in the luminance environment and can save the power consumption.
This feature helps you to adjust the similar brightness of projectors in such the side-by-side projection.
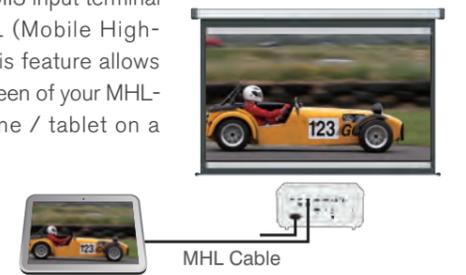
*3 The adjustment range is 25~100% at Custom Light mode.

Tunes brightness of image according to surrounding environment | Matches brightness of images projected side by side

## MHL® connectivity

The projector's HDMI3 input terminal supports the MHL (Mobile High-Definition Link). This feature allows you to mirror the screen of your MHL-enabled smartphone / tablet on a projected screen.
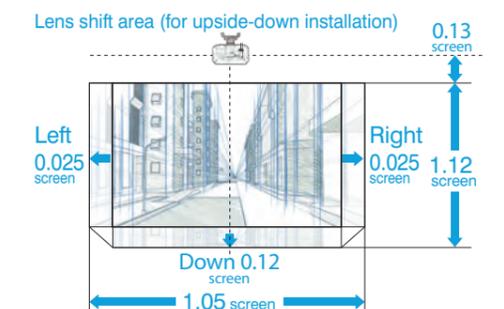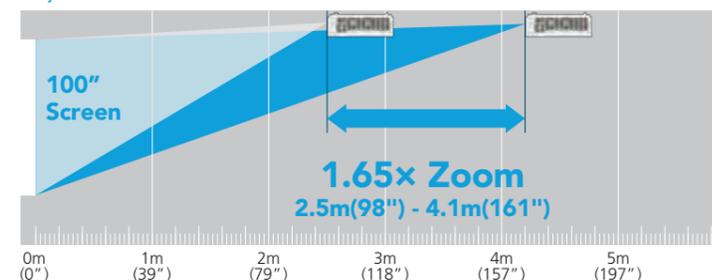
MHL Cable

## 1.65× Zoom Lens, Lens Shift

Featuring a powerful 1.65× manual zoom lens, the projectors allow for a greater range of installation possibilities. Manually shift the lens horizontally and vertically to position the image on the screen without causing keystone distortion.
*The figures are not drawn to scale.

Projection distance for 100" screen

100" Screen

1.65× Zoom
2.5m(98") - 4.1m(161")

0m (0") | 1m (39") | 2m (79") | 3m (118") | 4m (157") | 5m (197")

Lens shift area (for upside-down installation)
0.13 screen
Left 0.025 screen | Right 0.025 screen | 1.12 screen
Down 0.12 screen
1.05 screen

Other Features · Color management · Remote Control with ID function · Closed Caption · Built-in Speaker · Horizontal / Vertical Keystone Correction · Digital Zoom · Direct Power On/Off · Sleep Timer · Auto Power Off · Security Lock · Keypad Lock · Web Browser Control

*Projected images are simulations.