

# Projectors Installation series

# Providing advanced functionality with flexible installation features DLP

# **HITACHI**

Hitachi America, Ltd., Digital Media Division
2420 Fenton Street, Suite 200 Chula Vista, CA 91914, U.S.A. and Canada Tel: +1-800-225-1741 www.hitachi-america.us/digitalmedia

Hitachi Home Electronics Asia (S) Pte. Ltd.

438A Alexandra Road #01-01/02/03, Alexandra Technopark, 119967, Singapore Tel: +65-6536-2520 www.hitachiconsumer.com.sg

Hitachi Sales (Malaysia) Sdn. Bhd.

Lot 12, Jalan Kemajuan, Bangi Industrial Estate, 43650 Bandar Baru Bangi, Selangor Darul Ehsan, Malaysia Tel: +60-3-8911-2670 www.hitachiconsumer.com.my

Hitachi (Hong Kong), Ltd.

18th Floor, Ever Gain Centre, 28 On Muk Street, Shatin, N.T., Hong Kong Tel: +852-2113-8883 www.hitachi-hk.com.hk Hitachi Sales Corp. of Taiwan

2nd Floor, No.65, Nanking East Road, Section 3, Taipei 104, Taiwan Tel: +886-2-2516-0500 www.hsct.com.tw Hitachi Australia Pty Ltd.

Suite 801, Level 8, 123 Epping Road, North Ryde NSW 2113, Australia Tel: +61-2-9888-4100 www.hitachi.com.au

Hitachi Europe Ltd., Digital Media Group Consumer Affairs Department Whitebrook Park, Lower Cookham Road, Maidenhead, Berkshire, SL6 8YA, UK Tel: +44-1628-585000 www.hitachidigitalmedia.com Hitachi Maxell, Ltd.

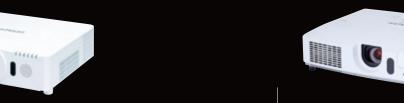
5030 Totsuka-cho, Totsuka-ku Yokohama, 244-0003, Japan http://www.hitachi.co.jp/proj/

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# 5000 series 4000 series









(19.7" x 10.6" x 24.9")

Edge Blending

Motorized Zoom , Focus, and Lens Shift











|                           |                       | CP-X9110    | CP-WX9210   | CP-WU9410     | NEW                    |             |             |               | NEW           |             |             | I             | NEW           |               |             |             |               |             |               |             |
|---------------------------|-----------------------|-------------|-------------|---------------|------------------------|-------------|-------------|---------------|---------------|-------------|-------------|---------------|---------------|---------------|-------------|-------------|---------------|-------------|---------------|-------------|
| Model Name                | CP-WU13K              | CP-X9111    | CP-WX9211   | CP-WU9411     | CP-HD9320<br>CP-HD9321 | CP-X8170    | CP-WX8265   | CP-WU8460     | CP-WU8461     | CP-X8160    | CP-WX8255A  | CP-WU8450     | CP-WU8451     | CP-SX8350     | CP-X8150    | CP-WX8240A  | CP-WU8440     | CP-X5022WN  | CP-X4022WN    | CP-WX4022WN |
| Display System            | 3-Chip DLP®           |             | 1-Chip      | DLP®          |                        |             |             |               |               |             | 3           | LCD           |               |               |             |             |               |             | 3 LCD         |             |
| Light Output (Brightness) | 13,000lm              | 10,000lm    | 8,500lm     | 8,500lm       | 8,200lm                | 7,000lm     | 6,500lm     | 6,000lm       | 6,000lm       | 6,000lm     | 5,500lm     | 5,000lm       | 5,000lm       | 5,000lm       | 5,000lm     | 4,000lm     | 4,200lm       | 5,000lm     | 4,000lm       | 4,000lm     |
| Resolution                | WUXGA                 | XGA         | WXGA        | WUXGA         | Full HD                | XGA         | WXGA        | WUXGA         | WUXGA         | XGA         | WXGA        | WUXGA         | WUXGA         | SXGA+         | XGA         | WXGA        | WUXGA         | XGA         | XGA           | WXGA        |
|                           | 1,920 x 1,200         | 1,024 x 768 | 1,280 x 800 | 1,920 x 1,200 | 1,920 x 1,080          | 1,024 x 768 | 1,280 x 800 | 1,920 x 1,200 | 1,920 x 1,200 | 1,024 x 768 | 1,280 x 800 | 1,920 x 1,200 | 1,920 x 1,200 | 1,400 x 1,050 | 1,024 x 768 | 1,280 x 800 | 1,920 x 1,200 | 1,024 x 768 | 1,024 x 768   | 1,280 x 800 |
| Light Source              | 465W x 2              |             | 370W x 2    |               | 365W x 2               |             | 36          | 55W           |               |             |             | 330W          |               |               |             | 245W        |               |             | 245W          |             |
| Standard Outside          | 500mm v 070mm v 622mm |             | 527mm v 170 | lmm v 120mm   |                        |             |             |               |               |             | 400mm v 125 | .mm v 206mm   |               |               |             |             |               | 401m        | m v 102mm v 2 | 10mm        |

Approx. 9.2kg (20.3lbs.)

(Excluding lens and protruding parts) Weight Approx. 34.0kg (75.0lbs.) (Excluding lens) Main Features 3G / HD / SD-SDI 2 HDMI input Dual Lamp Lamp Power Mode

Approx. 16.6kg (36.6lbs.) (Excluding lens) 2 HDMI input ACCENTUALIZER **HDCR** Built-in Dual Color Wheel **HDBaseT** Dual Lamp Edge Blending Geometric Correction (Warping) Status Monitor Display Motorized Zoom, Focus, and Lens Shift SDI input, Portrait projection (CP-HD9320, CP-HD9321)

(21.1" x 6.7" x 17.2")

(Excluding lens and protruding parts)

2 HDMI input ACCENTUALIZER HDCR (CP-WU8461) P by P / P in P High Efficiency Optical System Slim Design 360° Projection Status Monitor Display Motorized Zoom , Focus, and Lens Shift HDBaseT (CP-WU8461)

Approx. 8.8kg (19.4lbs.)

Approx. 8.8kg (19.4lbs.) Approx. 8.7kg | Approx. 8.8kg (19.2lbs.) (19.4lbs.) 2 HDMI input ACCENTUALIZER (CP-WU8451) HDCR (CP-WU8451) P by P (except for CP-X8160) / P in P (CP-WU8451) High Efficiency Optical System Slim Design 360° Projection Status Monitor Display Motorized Zoom, Focus, and Lens Shift

2.0x Zoom Standard Lens

HDBaseT (CP-WU8451)

(19.6" x 5.3" x 15.6")

(Excluding protruding parts)

2 HDMI input P by P (CP-WX8240A, CP-WU8440) High Efficiency Optical System Slim Design Motorized Zoom, Focus, and Lens Shift

Approx. 8.4kg

Approx. 8.7kg (19.2lbs.)

Approx. 9.2kg

1.7x Zoom Lens Intelligent ECO Instant Stack Manual V + H Lens Shift

(15.8" x 4.1" x 12.5")

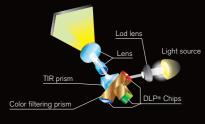
(Excluding protruding parts)

Approx. 4.6kg (10.1lbs.)

3-Chip DLP®

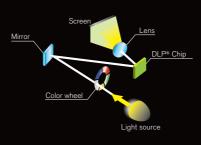
Dimensions (W x H x D)

Each chip is divided by a light prism into each of the three primary color chips instead of the light being directed into one unique chip. The light is then redirected and combined through the projector lens as the image. This 3-chip system makes images natural with vivid colors.



#### 1-Chip DLP®

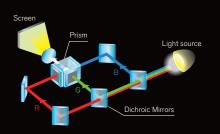
Projection method that uses a single DLP® chip to switch the red, green, and blue signals according to the color wheel. This method provides excellent color uniformity of images, durability, and is ideal for multiple projections and 24-hour use.



#### 3 LCD Chips with Inorganic Alignment Layers

Approx. 8.4kg | Approx. 8.7kg

Projectors incorporate three LCD panels with inorganic alignment layers that are extremely light resistant, increasing brightness and contrast ratio. They ensure smooth images and high reliability.

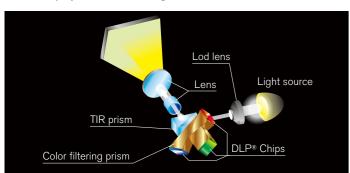




#### High Brightness and Image Quality That Deliver Bright Vivid Colors

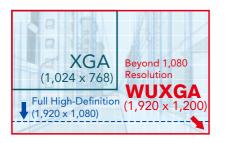
#### 3-Chip DLP®

Each chip is divided by a light prism into each of the three primary color chips instead of the light being directed into one unique chip. The light is then redirected and combined through the projector lens as the image. This 3-chip system makes images natural with vivid colors.



#### WUXGA

The projectors support high resolution WUXGA that covers Full HD. You can fully enjoy wide-screen images with a sense of reality.



#### **Dual Lamp**

Equipped with a dual lamp system that achieves a high brightness of 13,000lm. The period between lamp maintenance can be extended by using the single lamp mode, which automatically chooses and turns on the lamp with lower usage hours.



#### Brightness

| Lamp mode |        | Brightness        |
|-----------|--------|-------------------|
| Dual      | Normal | 13,000lm          |
|           | Eco    | 10,000lm          |
|           | Power  | 10,000 - 13,000lm |
| Single    | Normal | 6,500lm           |
|           | Eco    | 5,000lm           |
|           | Power  | 5,000lm - 6,500lm |

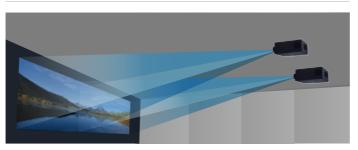


Power mode is useful to keep brightness consistent when using multiple projectors.

## Advanced Installability and System Features for Various Uses

#### **Edge Blending**

CP-WU13K



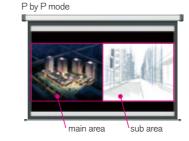
The projectors are equipped with the Edge Blending function that achieves further seamless projection of one image using multiple projectors.

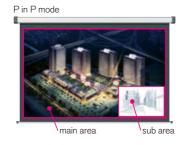


#### P by P / P in P Functions

Images from two input signals can be projected on one screen 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.

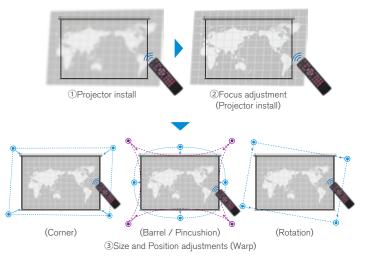
\* Depending on the input signal, some combinations of simultaneous displays may not be





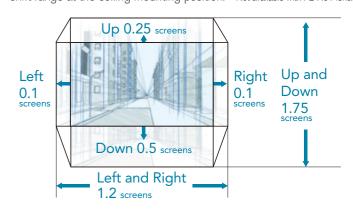
#### Powered Focus and Warp

The position of the four corners, sides, and rotation of a projected image can be adjusted with Warp. Focus can be adjusted with Powered Focus. The focus and position can easily be adjusted with the remote control.



#### Motorized Lens Shift

The motorized lens shift lets you choose more convenient installation location, even for large spaces. The figure shows the lens shift range at the ceiling mounting position. \*Not available with FL-K01 lens.



#### **Digital connectivity**

#### 4 Digital Inputs

The projector provides 4 digital inputs consisting of HDMI (x2), SDI and DVI to handle many types of installation environments.

\*\* The 3D DVI input terminal supports the WUXGA /1080 signals only. No OSD functions are available while the 3D DVI input is selected.

#### SDI

Equipped with an SDI input - the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable.





#### **Ensuring High Reliability and Stability**

The finely crafted form of the projectors incorporates a two-layer filter, providing defense against dust with a pleats type filter and urethane filter. Thanks to its long life and easy maintenance, this model is ideal for use in retail, digital signage, and other environments where the projector is in constant use.



#### High Brightness and Image Quality that Express Images Brilliantly

#### 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® 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

Comparison photos are simulations.





#### **Options**

#### Ceiling Mount

The ceiling mount lets you hang the projector with a distance of up to 97 cm from the ceiling. You can move the projector up and down or rotate it to finely adjust the position of the projected screen.



#### Frame

The stackable frames for the K series let you create a 2-level frame with projectors that are secured. They are equipped with adjustment mechanisms to tilt, elevate, and pan allowing you to finely adjust the position of the projected screen.





[FS-13K]

2-level frame configuration

#### **Variety of Interchangeable Lens Options**

Lenses are all optiona

Six lenses are available to match various screen sizes and installation environments. Projection is possible in diverse installation areas from small conference rooms to auditoriums, convention halls, and other large spaces.

|     |  | Projection distance<br>for 200" screen (16:10)<br>(Projector's front panel to screen) | Throw ratio | Projection distances for optional lenses when projecting onto a 200"screen (16:10) |
|-----|--|---|-------------|--|
|     | FL-K01<br>Short throw lens<br>Fixed zoom           | 3.0m  | 0.67        | 200"   |
|     | FL-K02<br>Short throw lens<br>Fixed zoom           | 5.0m  | 1.12        | 200"   |
|     | SL-K03<br>Short throw zoom lens<br>Zoom: x1.3      | 6.1 - 8.2m  | 1.39 - 1.87 | 200"   |
| (F) | ML-K04<br>Standard zoom lens<br>Zoom: x1.3         | 8.2 - 11.1m   | 1.87 - 2.56 | 200"   |
|     | LL-K05<br>Long throw zoom lens<br>Zoom: x1.6       | 11.1 - 18.0m  | 2.56 - 4.16 | 200"   |
| ø.  | UL-K06<br>Ultra long throw zoom lens<br>Zoom: x1.6 | 18.0 - 30.0m  | 4.16 - 6.96 | 200"   |



### High Brightness and Image Quality That Deliver Bright Vivid Colors

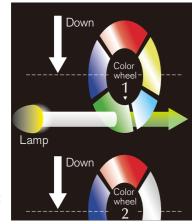
#### Built-in Dual Color Wheel

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



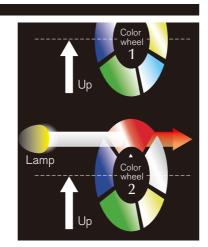
Reproduces color in levels equivalent to digital cinema. Ideal for use in museums and for viewing videos that emphasize color.



seconds with the remote control without having to open the chassis to install the color wheel.

technology allows you to switch the color wheel in about 10

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.



#### **ACCENTUALIZER**

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



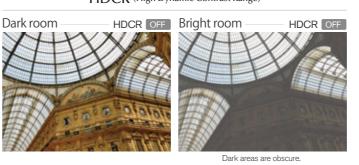


Increased shade, sharpness, and gloss

# HDCR (High Dynamic Contrast Range)

CP-X9110

CP-X9111\*



When average projectors are used in bright rooms, the darker areas Bright room of images are obscure and images become unclear.

Using this function, blurred images caused by room lighting or outside light sources are corrected, and an effect similar to increased contrast occurs. This results in clear images even in bright rooms.



CP-WX9210

CP-WX9211\*

#### Full HD and WUXGA

The projectors support high resolution Full HD\* and WUXGA\*\* that covers Full HD. You can fully enjoy wide-screen images with a sense of reality.

\* CP-HD9320 and CP-HD9321 \*\* CP-WU9410 and CP-WU9411



#### 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® 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



#### **Dual Lamp**

CP-HD9320 NEW

CP-HD9321\* NEW

\* Local availability may be

CP-WU9410

CP-WU9411\*

Equipped with a dual lamp system that achieves a high brightness of 10,000lm\* in a compact body weighing only 16.6kg (36.6lbs.)\*\*. The period between lamp maintenance can be doubled by using the single lamp mode. \* CP-X9110/CP-X9111 \*\* Does not include lens.



| Lamp mode |               | CP-X9110<br>CP-X9111 | CP-WX9210, CP-WU9410<br>CP-WX9211, CP-WU9411 | CP-HD9320<br>CP-HD9321 |
|-----------|---------------|----------------------|--|------------------------|
| Dual      | Normal<br>Eco | 10,000lm<br>7,500lm  | 8,500lm<br>6,400lm                           | 8,200lm<br>6,200lm     |
| Sinale    | Normal        | 5.000lm              | 4,250lm                                      | 4.100lm                |

#### Digital connectivity

3,200lm

#### Multiple Digital Inputs

The projectors provide digital inputs consisting of HDBaseT™, HDMI (x2), DVI-D, and SDI\* to handle many types of installation environments. HDBaseT can transmit signals with no image degradation using standard LAN cables (Cat5e/6) of up to 100m. SDI\* is the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable.

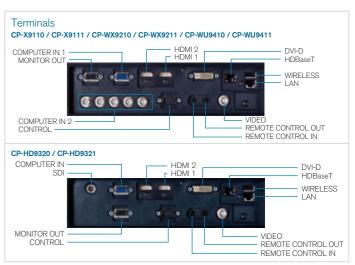
Eco

3,800lm



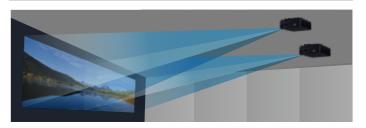
3,100lm

\* Only for the CP-HD9320 and CP-HD9321



#### Advanced Installability and System Features for Various Uses

#### **Edge Blending**



The projectors are equipped with the Edge Blending function that achieves further seamless projection of one image using multiple projectors. The 9000 series comes with various blending functions that meet the level users are looking for.

#### **Automatic Blending**



Use a camera and quickly perform high precision blending processing automatically.

\* Requires installation of a specialized application to your computer.

#### Instant Blending



Perform blending processing without the use of any special equipment.

#### 360° Projection

The projectors can be installed facing any vertical 360 degree direction providing many projection possibilities. For example, you can install a projector to project onto a floor or ceiling. You can utilize the projectors in many different ways.



#### Portrait Projection\*

You can project images that are vertically long by rotating the installation position of the projector 90 degrees. This feature makes it possible to provide various displays and image representations never before possible.

\*Only for the CP-HD9320 and CP-HD9321



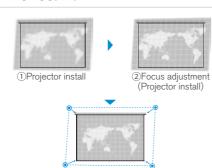
#### Geometric Correction (Warping)

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.



#### Perfect Fit

Equipped with powered focus and Perfect fit with which the position of the four corners and four sides of a projected image can be adjusted. With the remote controller at hand, you can adjust focus and the position of an image.

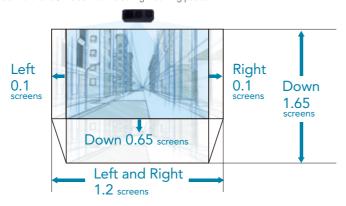


3 Size and Position adjustment (Perfect fit)

#### 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-WX9210/CP-WX9211 with the standard lens SD-903W at the ceiling mounting position.



#### Short Zoom Lens

An optional short zoom lens developed by Hitachi offers powered zoom, powered focus, and adequate lens shift. This lens increases installability of the projectors like never before.

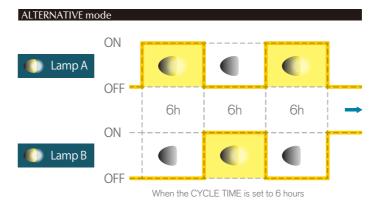




# Ensuring High Reliability and Stability

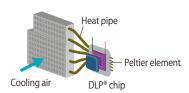
#### All-day Use

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.



#### **Cooling System**

Peltier elements are positioned on the rear surface of the DLP® chip and provide efficient cooling in environments with an ambient temperature of up to 50 degrees Celsius.



#### Hybrid Filter

The finely crafted form of these projectors incorporates a three-layer filter, providing defense against dust with unwoven cloth layers and an HAF (High Air Flow) filter. Thanks to its long life and easy maintenance, these models are ideal for use in retail, digital signage, and other environments where the projector is in constant use.



#### Variety of Interchangeable Lens Options

Lenses are all optiona

Seven lenses are available to match various screen sizes and installation environments. Projection is possible in diverse installation areas from small conference rooms to auditoriums, convention halls, and other large spaces.

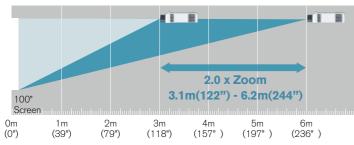
|   |  |                         | Projection distance<br>for 100" screen (Full screen)<br>(Projector's front panel to screen) | Throw ratio | Projection distances for optional lenses when projecting onto a 100"screen (Full screen) |
|---|--|-------------------------|---|-------------|--|
|   | 1161 004                               | CP-X9110,CP-X9111       | 1.7 - 2.1m (66"- 82")   | 0.8 - 1.0   |  |
|   | USL-901                                | CP-WX9210,CP-WX9211     | 1.8 - 2.2m (71"- 88")   | 0.8 - 1.0   |  |
|   | Ultra short throw lens                 | CP-WU9410,CP-WU9411     | 1.7 - 2.1m (67"- 84")   | 0.8 - 1.0   | 100"   |
|   | Zoom: x1.3                             | CP-HD9320,CP-HD9321     | 1.8 - 2.2m (69"- 86")   | 0.8 - 1.0   |  |
|   | 61.000                                 | CP-X9110,CP-X9111       | 2.5 - 3.7m (98"- 146")  | 1.2 - 1.8   |  |
|   | <b>SL-902</b>                          | CP-WX9210,CP-WX9211     | 2.7 - 4.0m (105"- 156")   | 1.2 - 1.8   |  |
|   | Short throw lens                       | CP-WU9410,CP-WU9411     | 2.5 - 3.8m (100"- 149")   | 1.1 - 1.7   | 100"   |
|   | Zoom: x1.5                             | CP-HD9320,CP-HD9321     | 2.6 - 3.9m (103"- 153")   | 1.1 - 1.7   |  |
| ~ | SD-903W                                | CP-WX9210,CP-WX9211     | 3.7 - 5.6m (147"- 220")   | 1.7 - 2.6   |  |
|   |  | CP-WU9410,CP-WU9411     | 3.5 - 5.3m (140" - 209")  | 1.6 - 2.4   |  |
|   | Standard lens<br>Zoom: x1.5            | CP-HD9320,CP-HD9321     | 3.6 - 5.5m (143" - 215")  | 1.6 - 2.4   |  |
|   | 200III. X1.5                           | C1 -11D7320,C1 -11D7321 | 3.0 - 3.311 (143 - 213 )  | 1.0 - 2.4   | 100"   |
|   | SD-903X<br>Standard lens<br>Zoom: x1.5 | CP-X9110,CP-X9111       | 3.5 - 5.2m (136"- 205")   | 1.7 - 2.5   |  |
|   |  | CP-X9110,CP-X9111       | 5.1 - 7.8m (200"- 306")   | 2.5 - 3.8   |  |
|   | ML-904                                 | CP-WX9210,CP-WX9211     | 5.5 - 8.3m (216"- 329")   | 2.5 - 3.8   |  |
| 6 | Middle throw lens                      | CP-WU9410,CP-WU9411     | 5.2 - 7.9m (205" - 313")  | 2.4 - 3.6   | 100"   |
|   | Zoom: x1.5                             | CP-HD9320,CP-HD9321     | 5.4 - 8.2m (211"- 322")   | 2.4 - 3.6   |  |
| ~ |  | CP-X9110,CP-X9111       | 7.4 - 12.0m (291"- 471")  | 3.6 - 5.8   |  |
|   | LL-905                                 | CP-WX9210,CP-WX9211     | 8.0 - 12.9m (314"- 506")  | 3.7 - 5.9   |  |
|   | Long throw lens                        | CP-WU9410,CP-WU9411     | 7.6 - 12.2m (298"- 482")  | 3.5 - 5.6   | 100"   |
|   | Zoom: x1.6                             | CP-HD9320,CP-HD9321     | 7.8 - 12.6m (307"- 495")  | 3.5 - 5.6   |  |
| - | 111 007                                | CP-X9110,CP-X9111       | 11.7 - 18.6m (462"- 732")   | 5.7 - 9.1   |  |
|   | UL-906                                 | CP-WX9210,CP-WX9211     | 12.6 - 20.0m (496"- 786")   | 5.8 - 9.2   | 100"   |
|   | Ultra long throw lens                  | CP-WU9410,CP-WU9411     | 12.0 - 19.0m (472"- 749")   | 5.5 - 8.8   | 100  |
| • | Zoom: x1.6                             | CP-HD9320,CP-HD9321     | 12.3 - 19.5m (485"- 769")   | 5.5 - 8.8   |  |
|   |  |                         |   |             |  |



#### Advanced Installability and System Features for Various Uses

#### 2.0x Zoom Lens

Featuring a powerful 2.0x manual zoom lens, the projectors allow for a greater range of installation possibilities. This is particularly convenient in rooms that lack installation flexibility due to ceiling obstructions such as water sprinklers, vents, and lighting fixtures.



- \* CP-SX8350,CP-X8150,CP-WX8240A:1.5x
- \* The projection distance above is for the CP-X8170.

#### 360° Projection

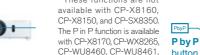
The projectors can be installed facing any vertical 360 degree direction providing many projection possibilities. For example, you can install a projector to project onto a floor or ceiling. You can utilize the projectors in many different ways.

\* Not available with the CP-SX8350, CP-X8150, CP-WX8240A, and CP-WU8440.



#### Lens Center Design

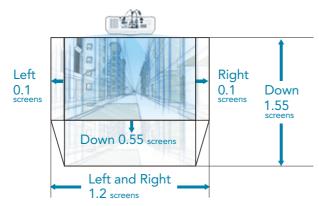
By aligning the center of the projector and lens, the installation position of the projector becomes simple during the design and construction of a facility.



#### Motorized Lens Shift

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

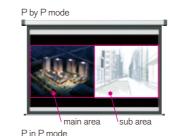
\*The figure below shows the lens shift range for CP-WU8460/CP-WU8461 with the standard lens ML-703 at the ceiling mounting position.



#### P by P / P in P Functions

Images from two input signals can be projected on one screen 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.

\* These functions are not CP-WU8460, CP-WU8461, and CP-WU8451



## High Brightness and Image Quality that Express Images Brilliantly

CP-WX8240A

**WUXGA 4,200lm** 

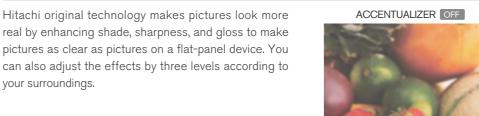
CP-WU8461 NEW **WUXGA 6,000l** 

CP-WU8451 NEW

CP-WU8440

Awarded models: CP-WU8461, CP-X8160, CP-WX8255A, CP-WU8450, CP-WU8451, CP-SX8350, CP-X8150, CP-WX8240A, CP-WU8440
The iF Design Award is a prestigious worldwide design award that began in 1953 in Germany, the origin of modern design. These 8000 series projectors were awarded the iF Gold Award.

#### **ACCENTUALIZER**



Original image



Increased shade, sharpness, and gloss

#### HDCR (High Dynamic Contrast Range)

When average projectors are used in bright rooms, the darker areas of images are obscure and images become unclear. Using this function, blurred images caused by room lighting or outside light sources are corrected, and an effect similar to increased contrast occurs. This results in clear images even in bright rooms.

\* Only for the CP-X8170, CP-WX8265, CP-WU8460, CP-WU8461, and CP-WU8451

\* Only for the CP-WU8461, and CP-WU8451

your surroundings.



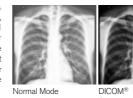


Dark areas are clear, (Distinct

#### 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® 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.



#### High Efficiency Optical System

The projectors achieve a brightness of the highest class in the industry by adopting a short arc length lamp with a small F-number



### **Ensuring High Reliability and Stability**



#### **Hybrid Filter**

The projectors use a three-layer filter with two layers of unwoven cloth and an HAF (High Air Flow) filter. The filter can last up to 20,000 hours\* without cleaning, reducing maintenance time.

\* 15,000 hours for CP-SX8350, CP-X8150, CP-WX8240A, and CP-WU8440. Varies according to usage environment.

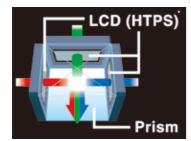
#### **Status Monitor**

The status monitor is a sub-LCD located on the rear panel of the CP-X8170, CP-WX8265, CP-WU8460, CP-X8160, CP-WX8255A, and CP-WU8450. It displays the present condition of the projector, including errors, setup information, and error history.



#### Inorganic LCD panels

Hitachi 3LCD projectors incorporate three LCD panels with inorganic alignment layers that are extremely light resistant, increasing brightness and contrast ratio. They ensure smooth images and high reliability.



HTPS (High Temperature Poly-Silicon)

#### Easy Maintenance

The lamp door and the filter cover are located on both sides, facilitating maintenance and replacement when the projector is installed on the ceiling. The serial number and MAC address are also labeled on the side chassis for easy readability.



#### Various Network Features

#### Convenient Networking

Manage and control multiple projectors over your LAN with Centralized Reporting, Scheduling, E-mail Alerts, and My Image (Image Transfer)



#### Wireless Capability (Option)

Connect a projector to a computer using the optional USB wireless adapter. The adapter supports IEEE802.11b/g/n. Use the adapter cover to prevent the USB wireless adapter from coming off easily.



access point

#### **Smart Device Control**

By plugging the USB wireless adapter to the projector and using the dedicated free online application developed by Hitachi, projectors can be controlled from a tablet or smartphone.\*



\* See the Hitachi website for details http://www.hitachi.co.jp/proj/en/apps/pj\_connection.html

Hardware and software requirements for network capability **Os:** One of the following. Windows® XP Home Edition/Professional Edition (32bit version only), Windows Vista® Home Basic/Home Premium/Business/Ultimate/Enterprise, Windows® 7 Starter/Home Basic/Home Premium/Professional/Ultimate/Enterprise CPU: Pentium®4 (2.8GHz or higher) **Graphic card:** 16bit, XGA or higher (When using the "Live Viewer" it is recommended that the display resolution of your computer be set to 1,024x768.) Memory: 512 MB or higher **Hard disk space**: 100MB or higher **Web browser**: Internet Explorer®6.0 or higher CD-ROM drive

\*If many computers are connected to the network or the under excessive load, higher specifications may be required

# Digital connectivity

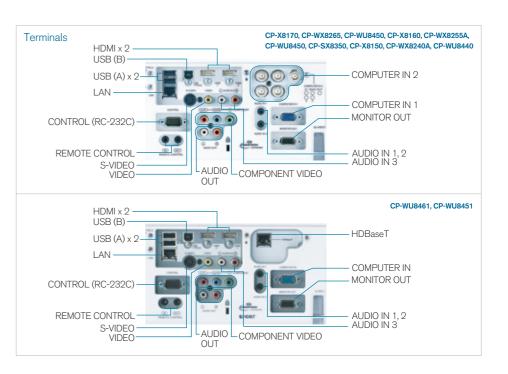
#### 2 HDMI input

Equipped with 2 terminals for the current widely-used interface.

#### HDBaseT™

Signals can be transmitted with no image degradation using standard LAN cables (Cat5e/6) of up to 100m.

\* Only for the CP-WU8461 and CP-WU8451



## Variety of Interchangeable Lens Options

Five lenses are available to match various screen sizes and installation environments. Projection is possible in diverse installation areas from small conference rooms to auditoriums, convention halls, and other large spaces.

|                        |   | Projection distance<br>for 100"screen (Full screen)<br>(Projector's front panel to screen) | Throw ratio | Projection distances for optional lenses when projecting onto a 100"screen (Full screen) |
|------------------------|---|--|-------------|--|
| FL-701                 | CP-X8170,CP-X8160                                     | 1.7m (67")   | 0.8         |  |
| 1 L-701                | CP-WX8265,CP-WX8255A                                  | 1.8m (71")   | 0.8         |  |
|                        | CP-WU8460,CP-WU8461,CP-WU8450,<br>CP-WU8451,CP-WU8440 | 1.7m (69")   | 0.8         | 100"   |
|                        | CP-SX8350   | 1.7m (66")   | 0.8         |  |
| Fixed short throw lens | CP-X8150  | 2.1m (83")   | 1.0         |  |
| Zoom:Fixed             | CP-WX8240A  | 2.2m (88")   | 1.0         |  |
| SL-702                 | CP-X8170,CP-X8160                                     | 2.5 - 3.7m (97"- 145")   | 1.2 - 1.8   |  |
| 3L-/UZ                 | CP-WX8265,CP-WX8255A                                  | 2.6 - 3.9m (102"- 154")  | 1.2 - 1.8   |  |
|                        | CP-WU8460,CP-WU8461,CP-WU8450,<br>CP-WU8451,CP-WU8440 | 2.5 - 3.8m (100"- 151")  | 1.2 - 1.8   | 100"   |
|                        | CP-SX8350   | 2.4 - 3.7m (96"- 144")   | 1.2 - 1.8   |  |
| Short throw lens       | CP-X8150  | 3.1 - 4.6m (120"- 181")  | 1.5 - 2.2   |  |
| Zoom: x1.5             | CP-WX8240A  | 3.2 - 4.9m (127" - 192")   | 1.5 - 2.2   |  |
| ML-703                 | CP-X8170,CP-X8160                                     | 3.1 - 6.2m (122"- 242")  | 1.5 - 3.0   |  |
| IVIL-/U3               | CP-WX8265,CP-WX8255A                                  | 3.3 - 6.5m (129"- 257")  | 1.5 - 3.0   |  |
|                        | CP-WU8460,CP-WU8461,CP-WU8450,<br>CP-WU8451,CP-WU8440 | 3.2 - 6.4m (127"- 252")  | 1.5 - 3.0   | 100"   |
|                        | CP-SX8350   | 3.1 - 6.1m (121"- 241")  | 1.5 - 3.0   |  |
| Middle throw lens      | CP-X8150  | 3.9 - 7.7m (153"- 303")  | 1.9 - 3.8   |  |
| Zoom: x2.0             | CP-WX8240A  | 4.1 - 8.1m (162" - 321")   | 1.9 - 3.8   |  |
| LL-704                 | CP-X8170,CP-X8160                                     | 5.9 - 10.0m (231" - 392")  | 2.8 - 4.9   |  |
| LL-/ 04                | CP-WX8265,CP-WX8255A                                  | 6.2 - 10.5m (244"- 415")   | 2.8 - 4.9   |  |
|                        | CP-WU8460,CP-WU8461,CP-WU8450,<br>CP-WU8451,CP-WU8440 | 6.1 - 10.3m (240"- 407")   | 2.8 - 4.9   | 100"   |
|                        | CP-SX8350   | 5.8 - 9.9m (229"- 389")  | 2.8 - 4.9   |  |
| Long throw lens        | CP-X8150  | 7.3 - 12.4m (288"- 490")   | 3.6 - 6.1   |  |
| Zoom: x1.7             | CP-WX8240A  | 7.8 - 13.2m (305"- 520")   | 3.6 - 6.1   |  |
| UL-705                 | CP-X8170,CP-X8160                                     | 10.0 - 16.9m (393"- 667")  | 4.9 - 8.3   |  |
| OL-703                 | CP-WX8265,CP-WX8255A                                  | 10.5 - 17.9m (415"- 705")  | 4.9 - 8.3   |  |
|                        | CP-WU8460,CP-WU8461,CP-WU8450,<br>CP-WU8451,CP-WU8440 | 10.3 - 17.6m (407"- 691")  | 4.9 - 8.3   | 100"   |
|                        | CP-SX8350   | 9.9 - 16.8m (390"- 662")   | 4.9 - 8.3   |  |
| Ultra long throw lens  | CP-X8150  | 12.4 - 21.1m (487"- 830")  | 6.0 - 10.3  |  |
| Zoom: x1.7             | CP-WX8240A  | 13.1 - 22.3m (516"- 879")  | 6.0 - 10.3  |  |

- ML-703 comes standard on the CP-X8170, CP-X8160, CP-WU8460, CP-WU8451, CP-WU8451, CP-WU8451, CP-WU8440, CP-WX8265, and CP-WX8255A

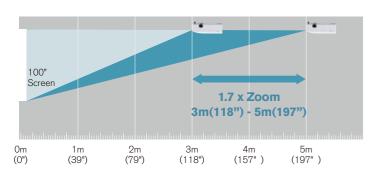


#### Advanced Installability and System Features for Various Uses

#### 1.7x Zoom Lens

Featuring a powerful 1.7x manual zoom lens, the projectors allow for a greater range of installation possibilities. This is particularly convenient in rooms that lack installation flexibility due to ceiling obstructions such as water sprinklers, vents, and lighting fixtures.

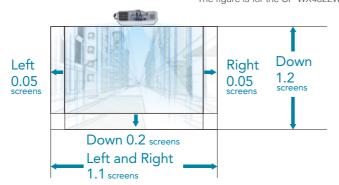
\* The projection distance below is for the CP-X5022WN.



#### Manual Optical Lens Shift

Manually shift the lens horizontally and vertically, to position the image on the screen without causing any distortion. After ceiling mounting, fine adjustments can be done with a screwdriver and/or hexagonal wrench. \*A hexagonal wrench is included in the

product package. \*\*The figure is for the CP-WX4022WN.



#### Instant Stack

Instant Stack lets you place one projector on top of another to project the same image from both onto a screen for added brightness. Overlaying the image is made easier with built-in tools including RS-232C control, Perfect Fit, Lens Shift, and stacking alignment peg holes.



\* When stacking projectors, there are various precautions and function limitations you should be aware of. Please ask your dealer for details.

#### Dual mode

Turns on the projectors at the same time.

#### Alternate mode

Turns on the projectors alternately.



#### Backup function

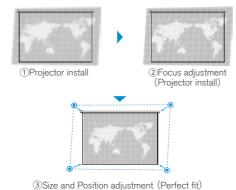


When ALTERNATE is selected and an error occurs on one projector, causing the lamp to turn off, the other projector will automatically start to operate.

\* If the RS-232C cable is disconnected or AC power is not supplied, the other projector will not turn on.

#### Perfect Fit

Perfect Fit allows you to make image adjustments by independently moving the individual corners and sides. Ideal for complex installations where sizing the screen for image display is more difficult.

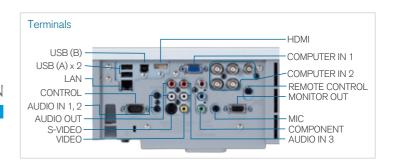












#### **Various Network Features**

#### Convenient Networking

Manage and control multiple projectors over your LAN with Centralized Reporting, Scheduling, E-mail Alerts, and My Image (Image Transfer)



#### Wireless Capability (Option)

Connect a projector to a computer using the optional USB wireless adapter. The adapter supports IEEE802.11 b/g/n.



#### Smart Device Control

By plugging the USB wireless adapter to the projector and using the dedicated free online application developed by Hitachi, projectors can be controlled from a tablet or smartphone.



See the Hitachi website for details http://www.hitachi.co.jp/proj/en/apps/pj\_connection.html

Hardware and software requirements for network capability OS: One of the following. Windows® XP Home Edition/Professional Edition (32bit version only), Windows Vista® Home Basic/Home Premium/Business/Ultimate/Enterprise, Windows® 7 Starter/Home Basic/Home Premium/Professional/Ultimate/Enterprise CPU: Pentium®4 (2.8GHz or higher) Graphic card: 16bit, XGA or higher (When using the "Live Viewer" it is recommended that the display resolution of your computer be set to 1,024x768.) Memory: 512 MB or higher Hard disk space: 100MB or higher Web browser: Internet Explorer®6.0 or higher CD-ROM drive

#### **ECO**

#### Saver Mode

This feature developed by Hitachi reduces the projector lamp brightness and consumption of power, resulting in considerable energy savings. Set the Saver mode time from 1 to 30 minutes, and if the projected image does not change in that time, Saver mode activates. Saver mode can also be activated manually with the remote control.

#### Intelligent Eco Mode

This feature developed by Hitachi automatically changes the brightness of the lamp according to the level of the input signal. Lamp brightness is reduced when a darker image is projected and returns to normal when a brighter image is projected, eliminating unnecessary energy consumption from the lamp.





Normal mode

Saver mode

#### **Ensuring High Reliability and Stability**

#### **Hybrid Filter**

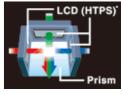
The filter is made of two layers on unwoven cloth and lasts up to approximately 5,000 hours\* without cleaning, reducing maintenance

\* Varies according to usage environment



#### Inorganic LCD panels

Hitachi 3LCD projectors incorporate three LCD panels with inorganic alignment layers that are extremely light resistant, increasing brightness and contrast ratio. They ensure smooth images and high reliability.



HTPS (High Temperature Poly-Silicon)

| Feature                                 | es                                    |   | 3-Chip DLP® |                      | 1-Chi <sub>l</sub>     | p DLP®                 |                        |          |           |           |           |          |            | 3 LC        | .D        |          |            |           |            |                        |             |
|---|---------------------------------------|---|-------------|----------------------|------------------------|------------------------|------------------------|----------|-----------|-----------|-----------|----------|------------|-------------|-----------|----------|------------|-----------|------------|------------------------|-------------|
|   |                                       |   | K series    |                      | 9000                   | series                 |                        |          |           |           |           |          | 8000 seri  | es          |           |          |            |           |            | 00 series<br>00 series |             |
| Model Name                              |                                       |   | CP-WU13K    | CP-X9110<br>CP-X9111 | CP-WX9210<br>CP-WX9211 | CP-WU9410<br>CP-WU9411 | CP-HD9320<br>CP-HD9321 | CP-X8170 | CP-WX8265 | CP-WU8460 | CP-WU8461 | CP-X8160 | CP-WX8255A | CP-WI 18450 | CP-SX8350 | CP-X8150 | CP-WX8240A | CP-WU8440 | CP-X5022WN | CP-X4022WN             | CP-WX4022WN |
|   | 3G SDI                                | Equipped with an SDI input – the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable.   | •           |                      |                        |                        | •                      |          |           |           |           |          |            |             |           |          |            |           |            |                        |             |
| D: 11 0 1: 11                           | 2 HDMI input                          | Equipped with 2 terminals for the current widely-used interface.  | •           | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          |             | •         | •        | •          | •         |            |                        |             |
| Digital Connectivity                    | HDBaseT™                              | Signals can be transmitted with no image degradation using standard LAN cables (Cat5e/6) of up to 100m.   |             | •                    | •                      | •                      | •                      |          |           |           | •         |          |            |             |           |          |            |           |            |                        |             |
|   | DVI                                   | Connection via a digital DVI terminal greatly reduces image deterioration, ensuring high picture quality of digital sources. *CP-WU13K displays an image with the original input resolution of the source in the center of the screen.  | (3D DVI)    | •                    | •                      | •                      | •                      |          |           |           |           |          |            |             |           |          |            |           |            |                        |             |
|   | High Efficiency Optical System        | The projectors achieve a brightness of the highest class in the industry by adopting a short arc length lamp with a small F-number lens.  | •           | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          |             | •         | •        | •          | •         | •          | •                      | •           |
|   | ACCENTUALIZER                         | Hitachi's original image enhancement technology that emphasizes shade, sharpness, and gloss to achieve more vivid images.  ACCENTUALIZER OFF  ACCENTUALIZER ON  ACCENTUALIZER ON  Increased shade, sharpness, gloss   |             | •                    | •                      | •                      | •                      | •        | •         | •         | •         |          |            |             |           |          |            |           |            |                        |             |
| High Brightness<br>and<br>Image Quality | HDCR (High Dynamic Contrast<br>Range) | HDCR is Hitachi original technology that produces clear images in bright environments.  Dark room HDCR OFF Bright |             | •                    | •                      | •                      | •                      |          |           |           | •         |          |            |             | •         |          |            |           |            |                        |             |
|   | 3-chip display device                 | This 3-chip system can project 3-primary-color (Red, Green, Blue) images continuously, and makes images natural with vivid colors.  | •           |                      |                        |                        |                        | •        | •         | •         | •         | •        | •          |             | •         | •        | •          | •         | •          | •                      | •           |
|   | Dual Color Wheel                      | Separate color wheels with emphasis on brightness and color that can achieve images to suit the purpose.  |             | •                    | •                      | •                      | •                      |          |           |           |           |          |            |             |           |          |            |           |            |                        |             |
|   | DICOM® Simulation Mode                | Picture mode that achieves a gradation close to the DICOM® standard.  *These projectors are not approved medical devices. They should not be used for actual medical diagnosis.   | •           | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          |             | •         |          | •          | •         | •          | •                      |             |
|   | Edge Blending                         | Corrects the shape of images and further overlaps them seamlessly to use multiple projectors to project a single image.   | •           | •                    | •                      | •                      | •                      |          |           |           |           |          |            |             |           |          |            |           |            |                        |             |
|   | Geometric Correction (Warping)        | Corrects the shape of images to make projections on various types of surfaces possible.   |             | •                    | •                      | •                      | •                      |          |           |           |           |          |            |             |           |          |            |           |            |                        |             |
|   | Perfect Fit / Warp                    | Use the remote controller to adjust the four corners and four sides of a projected image and quickly fix distortions of images.  *CP-WU13K supports rotation adjustment.  | (Warp)      | •                    | •                      | •                      | •                      | •        | •         |           | •         | •        | •          |             |           | •        | •          |           | •          | •                      | •           |
| Installability and                      | Motorized Lens Shift                  | Lens shift is motorized and can be adjusted on a keypad or remote control.  | •           | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          |             | •         | •        | •          | •         |            |                        |             |
| System Features                         | Manual Lens Shift                     | Lens shift can be easily adjusted manually.   |             |                      |                        |                        |                        |          |           |           |           |          |            |             |           |          |            |           | •          | •                      | •           |
|   | Interchangeable Lens Options          | Significantly increase projection distance with optional interchangeable lenses.  | •           | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          |             | •         | •        | •          | •         |            |                        |             |
|   | Lens Center                           | By aligning the center of the projector and the lens, the installation position of the projector is simplified during the design and construction of a facility.  |             | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          |             | •         |          | •          | •         |            |                        |             |
|   | Picture by Picture                    | Simultaneously project images from 2 different inputs side-by-side.  *1 It enables to display images from 2 different digital inputs (HDMI2 and another) side-by-side.  | •           | *1                   | *1                     | *1                     | *1                     | *1       | *1        | • 1       | *1        |          | •          |             | *1        |          | •          | •         |            |                        |             |

| Feature                               | es                              |  | 3-Chip DLP® |                      | 1-Chi <sub>l</sub>     | p DLP®                 |                        |          |           |           |           |          |            |           | 3 LCD     |           |          |            |           |            |                        |             |
|---------------------------------------|---------------------------------|--|-------------|----------------------|------------------------|------------------------|------------------------|----------|-----------|-----------|-----------|----------|------------|-----------|-----------|-----------|----------|------------|-----------|------------|------------------------|-------------|
|                                       |                                 |  | K series    |                      | 9000                   | ) series               |                        |          |           |           |           |          | 8000       | series    |           |           |          |            |           |            | 00 series<br>00 series |             |
| Model Name                            |                                 |  | CP-WU13K    | CP-X9110<br>CP-X9111 | CP-WX9210<br>CP-WX9211 | CP-WU9410<br>CP-WU9411 | CP-HD9320<br>CP-HD9321 | CP-X8170 | CP-WX8265 | CP-WU8460 | CP-WU8461 | CP-X8160 | CP-WX8255A | CP-WU8450 | CP-WU8451 | CP-SX8350 | CP-X8150 | CP-WX8240A | CP-WU8440 | CP-X5022WN | CP-X4022WN             | CP-WX4022WN |
|                                       | Picture in Picture              | Display an image from a different source in the sub area.  *1 It enables display of images from 2 different digital inputs (HDMI2 and another) simultaneously.   | •           | • *1                 | • 1                    | • *1                   | *1                     | *1       | • 1       | *1        | *1        |          |            |           | • *1      |           |          |            |           |            |                        |             |
|                                       | 360 Degree Projection           | The projectors can be installed facing upwards, downwards, or other wide degree of vertical orientations.  |             | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          | •         | •         |           |          |            |           |            |                        |             |
| Installability and<br>System Features | Portrait Projection             | You can project images that are vertically long by rotating the installation position of the projector 90 degrees. This feature makes it possible to provide various displays and image representations never before possible.                   |             |                      |                        |                        | •                      |          |           |           |           |          |            |           |           |           |          |            |           |            |                        |             |
|                                       | Mechanical Shutter              | The shutter blocks the projector light letting you quickly display and hide images while the projector is on.  | •           | •                    | •                      | •                      | •                      |          |           |           |           |          |            |           |           |           |          |            |           |            |                        |             |
|                                       | Instant Stack                   | Use 2 projectors by superimposing their images.  |             | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          | •         | •         | •         | •        | •          | •         | •          | •                      | •           |
|                                       | Schedule Setting                | Set schedules for projectors to turn them ON or OFF at a set time, or activate other functions.  * Available from the OSD menu on 9000 series models only. Set from a computer via a LAN connection.   |             | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          | •         | •         | •         | •        | •          | •         | •          | •                      | •           |
|                                       | Projector Control               | Control and manage projectors using a network.   | •           | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          | •         | •         | •         | •        | •          | •         | •          | •                      | •           |
|                                       | Network Presentation            | Connect the projectors to a network with a LAN cable and project images from a PC or Mac via the network.  |             | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          | •         | •         | •         | •        | •          | •         | •          | •                      | •           |
| Network                               | Wireless Capability (Option)    | Projectors and computers can be connected via Wi-Fi. Wirelessly project images, and manage and control projectors.   |             | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          | •         | •         | •         | •        | •          | •         | •          | •                      | •           |
|                                       | Smart Device Control            | Download and install the dedicated free online application "Projector Quick Connection" and wirelessly project images from devices running iOS or Android.   |             | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          | •         | •         | •         | •        | •          | •         | •          | •                      | •           |
|                                       | Industry Standard Compatibility | AMX Device Discovery and Creston Roomview are embedded to projectors, providing out of the box compatible industry standard solutions.   |             | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          | •         | •         | •         | •        | •          | •         | •          | •                      | •           |
|                                       | Saver Mode                      | Reduces power consumption by reducing the lamp brightness if the image signal level does not change after a set time (1 to 30 minutes).  |             |                      |                        |                        |                        |          |           |           |           |          |            |           |           |           |          |            |           | •          | •                      | •           |
| ECO                                   | Intelligent Eco Mode            | Automatically adjusts the output of the lamp to match the image signal. Lamp brightness is reduced for dark images that reduces the power used by the lamp, thus leading to reduced power consumption of projectors.                             |             |                      |                        |                        |                        |          |           |           |           |          |            |           |           |           |          |            |           | •          | •                      | •           |
|                                       | Hybrid Filter                   | Hitachi's multi-layer filters reduce the burden of maintenance by extending the period between filter cleaning.  | •           | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          | •         | •         | •         | •        | •          | •         | •          | •                      | •           |
| High Reliability and Stability        | Inorganic LCD                   | Hitachi 3LCD projectors incorporate three LCD panels with inorganic alignment layers that are extremely light resistant, increasing brightness and contrast ratio. They ensure smooth images and high reliability.                               |             |                      |                        |                        |                        | •        | •         | •         | •         | •        | •          | •         | •         | •         | •        | •          | •         | •          | •                      | •           |
|                                       | Status Monitor                  | A sub-LCD located on the rear panel. It displays the present condition of the projector, including errors, setup information, and error history.   |             | •                    | •                      | •                      | •                      | •        | •         | •         | •         | •        | •          | •         | •         |           |          |            |           |            |                        |             |
|                                       | Dual Lamp System                | By alternating the use of each lamp, the replacement period can be extended twofold. A backup mode is also available, making recovery from a failed lamp fast. This mode immediately switches to the second lamp if the first stops functioning. | •           | •                    | •                      | •                      | •                      |          |           |           |           |          |            |           |           |           | _        |            |           |            |                        |             |

| March   Marc   |                                      | K series   |                     | 9000 s€                   | eries                   |                       |                 |                 |                |                                |                   | 8000 serie          | es                  |                        |                              |                               |                        | 5000              | series, 4000 s        | eries                                |
|--|--------------------------------------|--|---------------------|---------------------------|-------------------------|-----------------------|-----------------|-----------------|----------------|--------------------------------|-------------------|---------------------|---------------------|------------------------|------------------------------|-------------------------------|------------------------|-------------------|-----------------------|--------------------------------------|
| Mary Color   Mar   | Madalaassa                           |  | CD V0110 / CD V0111 |                           |                         | CD HD0330 / CD HD0334 | CD V9170        | CD W/V026E      | CD W/L19460    | CD W/L 19461                   | CD V0160          |                     |                     | CD W/L194E1            | CD CV92E0                    | CD V91E0 CD W/V               | 2240A CD W/LI9440      |                   |                       |                                      |
| Part   |                                      |  | Cr-A9110/ Cr-A9111  |                           |                         | Cr-nD33207 Cr-nD3321  | CF-A01/0        | CF-VVA0203      | CF-VVU0400     | CF-WU0401                      | CF-X0100          |                     | CF-W00430           | CF-W00431              | CF-3A0330                    | CF-X0130 CF-WX                | 3240A CF-W00440        | CF-A3022VVIN      |                       | CF-VVX4022VVI                        |
| Mary      | ,                                    |  | 0.7" DLD® v 1       | · ·                       |                         | 0.65" DLP® v 1        | 0.70" I CD v 3  | 0.75" LCD v 3   | 0.76" I CD v 3 | 0.76" I CD v 3                 | 0.70" I CD v 3    |                     | 076" LCD v 3        | 076" LCD v 3           | 0.70"   CD v 3               | 063"1 CD × 3                  | n × 3   0.76"   CD × 3 | U63,1 CD ^ 3      |                       | 050" I CD v 3                        |
| March   1970     | device                               |  |                     |                           |                         |                       |                 |                 |                |                                |                   |                     |                     |                        |                              |                               |                        |                   |                       |                                      |
| Provide  | Number of pixels                     |  | <del> </del>        | ł                         |                         |                       |                 | <del> </del>    |                |                                |                   |                     |                     |                        |                              |                               |                        |                   |                       |                                      |
| Accordance   Acc   | Standard lone                        | , ,  | 1,024 x 700         |                           |                         | 1,920 X 1,000         | 1,024 x 706     | 1,200 X 000     | 1,920 X 1,200  |                                |                   | 1,200 X 000         | 1,920 X 1,200       | 1,920 X 1,200          |                              |                               | 2.0x zoom lens         | 1,024 X 700       |                       | 1,200 X 000                          |
| This column  |                                      |  |                     | <u> </u>                  |                         |                       |                 |                 |                | 2.07 200111 1011               | 13 (IVIL 100)     | Motorized           |                     |                        | 1.0                          | 20011110113 (OE 702)          | (ML-703)               |                   |                       |                                      |
| March   Marc   |                                      |  |                     |                           |                         |                       |                 |                 |                |                                |                   |                     |                     |                        |                              |                               |                        |                   |                       |                                      |
| March   Marc   |                                      |  |                     |                           |                         |                       |                 |                 |                |                                |                   |                     | 4)                  |                        |                              |                               |                        |                   |                       |                                      |
| March   Marc   |                                      |  |                     |                           |                         | 365W x 2              |                 |                 | 365W           |                                |                   | 11101011200 (1)1    |                     | N                      |                              | 245                           | W                      |                   |                       |                                      |
| Separate   1999  |                                      |  |                     |                           |                         | 0001172               |                 |                 |                |                                |                   | 30 - 600 incl       |                     |                        |                              | 2.10                          | •                      |                   |                       |                                      |
| Column   |                                      |  | 10.000lm            | 1                         |                         | 8.200lm               | 7.000lm         | 6.500lm         |                | 6.000lm                        |                   |                     | -                   | 5.000                  | lm                           | 4.000                         | 0lm 4,200lm            | 5.000lm           |                       | <br>)Olm                             |
| State   Stat   |                                      | ,  |                     | ,                         |                         |                       |                 | ,               |                |                                | 2,000             |                     |                     |                        |                              | ,                             |                        | ,                 | , , ,                 |                                      |
| No. 2004   1997   199   |                                      | 2,000 : 1 (Dynamic contrast)                         |                     | 2,0                       | ,500 : I (Theater mode  | :)                    | 3,000 : 1 (Pres | sentation mode) |                |                                | 3,000             | : I (Presentation I | mode) (             |                        |                              | 3,000 : I (Presentation in    | 10de)                  | 3,000             | : I (Presentation m   | )de)                                 |
| March Art   March   Announce   March   | Speaker                              | -  |                     | -                         |                         |                       |                 | -               |                |                                |                   |                     | 8                   | BW x 2 (stereo)        |                              |                               |                        |                   | 8W x 2 (mono)         |                                      |
| March   Marc   | Terminals                            |  |                     |                           |                         |                       |                 |                 |                |                                |                   |                     |                     |                        |                              |                               |                        |                   |                       |                                      |
| Marie Department   Marie Depar   | COMPUTER IN                          | Mini D-sub 15-pin connector x 1 / 5BNC connector x 1 | Mini D-sub 15-      | -pin connector x 1 / 5BNC | C connector x 1         |                       |                 |                 |                |                                | Mini D-sub 15-pir | connector x 1 / 5E  | BNC connector x 1   |                        | Mini D-s                     | ub 15-pin connector x 1 / 5BN | IC connector x 1       | Mini D-sub 15-p   | in connector x 1 / 5B | NC connector x 1                     |
| Mode      | MONITOR OUT                          | _  |                     | Mini D-sub 15-pin         | n connector x 1         |                       |                 |                 |                |                                | Mini Γ            | )-sub 15-pin conn   | nector x 1          |                        |                              |                               |                        | Mini D            | -sub 15-pin connect   | or x 1                               |
| Sept   Contemporary   Sept     |                                      | _  |                     | ·                         |                         |                       |                 |                 |                |                                |                   | '                   |                     |                        |                              |                               |                        |                   |                       |                                      |
| Mile   |                                      | _  |                     |                           |                         |                       |                 |                 |                |                                | MIN               |                     |                     |                        |                              |                               |                        |                   |                       | r x 1                                |
| Mode   Mile      |                                      | 3BNC x 1 / 3RCA x 1                                  |                     | _                         |                         |                       |                 |                 |                |                                |                   |                     |                     |                        |                              |                               |                        |                   | '                     |                                      |
| Description      |                                      |  |                     | HDMI conne                | ector x 2               |                       |                 |                 |                |                                |                   |                     |                     |                        |                              |                               |                        |                   |                       |                                      |
| STATE   STAT   | -                                    |  |                     |                           |                         |                       |                 |                 |                |                                |                   | -                   |                     |                        |                              |                               |                        |                   | -                     | -                                    |
| Policy   P   |                                      |  |                     |                           |                         | BNC / -               |                 |                 |                |                                |                   | - / -               |                     |                        |                              |                               |                        |                   | - / -                 | -                                    |
| ACCOUNT   1900   | -                                    |  |                     |                           | ector × 1               | connector x 1 '       |                 | -               |                | R.I-45 connector x 1           |                   |                     | R                   | 2.1-45 connector x 1   |                              |                               |                        |                   |                       | -                                    |
| AUDIO  |                                      |  |                     |                           |                         |                       |                 |                 |                |                                | RCA connector     | x 1 / 3.5mm (ster   |                     |                        |                              |                               |                        | 2 RCA connector x | 1 / 3.5mm (stereo)    | mini connector x                     |
| MCF  | -                                    |  |                     | -                         |                         |                       |                 |                 |                |                                |                   |                     |                     |                        |                              |                               |                        |                   |                       |                                      |
| Death Spin connector x   Death Spin connecto   | -                                    | _  |                     | -                         |                         |                       |                 |                 |                |                                |                   | -                   |                     |                        |                              |                               |                        |                   |                       |                                      |
| DATION   D   | -                                    | D-sub 9-pin connector x 1                            |                     | D-sub 9-pin cor           | onnector x 1            |                       |                 |                 |                |                                | D-                | sub 9-pin connect   | tor x 1             |                        |                              |                               |                        | D-s               | ub 9-pin connector:   | x 1                                  |
| Part      | <del></del>                          | 1111 P 1111  |                     | -                         |                         |                       |                 |                 |                |                                |                   | -                   |                     |                        |                              |                               |                        |                   | -                     |                                      |
| Disch   Disc   |                                      | RJ-45 connector x 1                                  |                     | RJ-45 conne               | ector × 1               |                       |                 |                 |                |                                |                   | RJ-45 connector     | × 1                 |                        |                              |                               |                        | R                 | J - 45 connector ×    | 1                                    |
| Maintain   Description   Des   |                                      | -  |                     |                           |                         |                       |                 |                 |                |                                |                   |                     |                     |                        |                              |                               |                        |                   |                       |                                      |
| Pack   Some Gleen Desire Control Co.   Some Gleen Desire Co.   Some    | USB-B                                | -  |                     | -                         |                         |                       |                 |                 |                |                                |                   |                     |                     |                        |                              |                               |                        |                   |                       |                                      |
| REMOTE CONTROL DUT   | REMOTE CONTROL IN                    | -  |                     | 3.5mm (stereo) mini       | ni connector x 1        |                       |                 |                 |                |                                |                   |                     |                     |                        |                              |                               |                        |                   |                       |                                      |
| 10 - 50%   18   18   10 - 20%   18   18   10 - 20%   18   18   10 - 20%   18   18   10 - 20%   18   18   10 - 20%   18   18   10 - 20%   18   18   10 - 20%   18   18   10 - 20%   18   18   18   18   18   18   18   1  | REMOTE CONTROL OUT                   | -  |                     | 3.5mm (stereo) min        | ni connector x 1        |                       |                 |                 |                |                                | 3.5mm             | (stereo) mini con   | nector x 1          |                        |                              |                               |                        |                   | -                     |                                      |
| Companies   Comp   | Operating temperature                | 0 - 40°C at altitude of 0 - 2.590m                   |                     | 0 - 50°C at altitude      | of 0 - 1.600m *2        |                       |                 |                 |                |                                |                   |                     |                     |                        |                              |                               |                        | 5 - 35%           | at altitude of 0 -    | 1 600m                               |
| 10 - 99% RH (non-condensing)   |                                      |  |                     |                           |                         |                       |                 |                 | 0              | - 45°C <sup>*3</sup> at altitu | de of 0 - 3,048   | m                   |                     |                        | at altitude of<br>0 - 3,048m |                               |                        |                   |                       |                                      |
| Maximum power consumption   AC100 - 130V : 1250W AC200 - 240V : 1250W   AC100 - 120V : 1050W AC200 - 240V : 250W   AC100 - 120V : 1050W AC200 - 240V : 250W   AC100 - 120V : 250W AC200 - 240V : 250W   AC100 - 120V : 370W AC200 - 240V : 250   | Operating humidity (RH)              | 10 - 95% RH (non-condensing)                         |                     | 10 - 80% RH (no           | on-condensing)          |                       |                 |                 |                |                                | 10 - 8            | 5% RH (non-co       | ndensing)           |                        |                              |                               |                        | 10 - 8            | 5% RH (non-cond       | Jensing)                             |
| AC100 - 130V: 1,230W AC200 - 240V: 1250W AC200 - 240V: 1990W AC200 - 240V: 1990W AC200 - 240V: 359W AC200 -  | Power requirements                   | AC100 - 130V / AC200 - 240V (50Hz / 60Hz) (SW)       | AC                  | C110 - 120V / AC220 -     | - 240V (50Hz / 60H      | ⊣z)                   |                 |                 |                |                                | AC100 - 120V      | / AC220 - 240       | OV (50Hz / 60Hz)    | )                      |                              |                               |                        | AC100 - 120       | V / AC220 - 240\      | / (50Hz / 60Hz                       |
| Standard outside dimensions (W.X.H.X.D.)   | Maximum power consumption            | AC100 - 130V : 1,230W AC200 - 240V : 1,250W          | AC                  | :110 - 120V : 1,060W A    | AC220 - 240V : 990      | )W                    |                 |                 |                | : 550W<br>AC220 - 240V         |                   |                     |                     | : 500W<br>AC220 - 240V | : 480W<br>AC220 - 240V       | AC100 - 120V : 375W           | AC220 - 240V : 355W    | AC100 - 120       | V : 370W AC220        | - 240V : 350W                        |
| Solimin X 29min (13 x 24 x)   Solimin X 29min (13 x 24 x)   Solimin X 29min (13 x 24 x)   Solimin X 39min (13 x 10 x)   Solimin X 39min X 39min (13 x 10 x)   Solimin X 39min X 39min (13 x 10 x)   Solimin X 39min X 39   | Standby mode power consumption       | Less than 3W   |                     | Less than                 | n 0.5W                  |                       |                 |                 |                |                                |                   |                     | Less than           | 0.35W                  |                              |                               |                        |                   | 0.5W                  |                                      |
| 1  |                                      |  | 537                 |                           |                         | 7.2")                 |                 |                 | 49             | 98mm x 135mm x                 | x 396mm (19.6     | " x 5.3" x 15.6"    | ) (Excluding lens a | and protruding p       | arts)                        |                               |                        |                   |                       |                                      |
| Approx. 34.0kg (74.9lbs.) (Excluding lens)  Approx. 46.kg (10.1lbs.)  Features  Filter cleaning interval *1  1,000hr  Accessories  Remote control with batteries, Power cord,  Remote control with batteries, Power cord,  Remote control with batteries, Power cord, Computer cable,  Remote control with batteries, Power cord, Computer cable,  |                                      | (10.6")<br>633mm                                     |                     | 537mm (21.1")             | (43)                    | 6.7")<br>8mm          |                 |                 |                |                                |                   | (5.3")<br>396mm     | 1                   |                        |                              |                               | (5.3")<br>396mm        |                   | HTNOH                 | 103mm<br>(4.1")<br>/318mm<br>(12.5") |
| Accessories Remote control with batteries, Power cord, Remote control with batteries, Power cord, Computer cable, Remote control with batteries, Power cord, R | Weight                               | Approx. 34.0kg (74.9lbs.) (Excluding lens)           |                     | Approx.16.6kg (36.6ll     | Sibs.) (Excluding lens) |                       |                 |                 |                |                                |                   |                     |                     |                        |                              |                               |                        | A                 | pprox. 4.6kg (10.1lb  | s.)                                  |
| Remote control with batteries, Fower cord, Remote control with batteries, Fower cord, Computer capie,  | Features Filter cleaning interval *1 | 1,000hr  |                     | 15,0                      | ,000hr                  |                       |                 |                 |                |                                | 20,0              | 00hr                |                     |                        |                              | 15,000hr                      |                        |                   | 4,000hr               |                                      |
|  | Accessories                          |  |                     |                           |                         |                       |                 |                 |                |                                |                   |                     |                     |                        |                              |                               |                        |                   |                       |                                      |

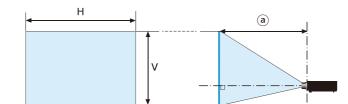
<sup>\*1</sup> This interval depends on the environment.\*2 When the ambient temperature exceeds 45°C, the brightness of the lamp is reduced automatically.

<sup>\*3</sup> When the ambient temperature exceeds 40°C, the brightness of the lamp is reduced automatically.

# **Lens Spec**

H x V : Screen size

# Projection distance



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

# K series

| Model             | I     |        |      | ŀ     | tem    |      |       |        |        |      |      | r    | n    |      |      |      |      |        |        |      |      | in   | ch   |      |      |      |      |
|-------------------|-------|--------|------|-------|--------|------|-------|--------|--------|------|------|------|------|------|------|------|------|--------|--------|------|------|------|------|------|------|------|------|
|                   |       |        |      | Scr   | een s  | ize  |       | FL-K01 | FL-K02 | SL-  | K03  | ML-  | -K04 | LL-  | K05  | UL-  | K06  | FL-K01 | FL-K02 | SL-  | K03  | ML-  | -K04 | LL-  | K05  | UL-  | K06  |
|                   |       |        | Туре | H(m)  | H(°)   | V(m) | V(" ) | fix.   | fix.   | min. | max. | min. | max. | min. | max. | min. | max. | fix.   | fix.   | min. | max. | min. | max. | min. | max. | min. | max. |
|                   |       |        | 80   | 1.7   | 68     | 1.1  | 42    | 1.3    | -      | -    | -    | -    | -    | -    | -    | -    | -    | 51     | -      | -    | -    | -    | -    | -    | -    | -    | -    |
| CP-WU             | U13K  | Proje  | 100  | 2.2   | 85     | 1.3  | 53    | 1.6    | -      | -    | -    | 4.1  | 5.6  | -    | -    | -    | -    | 62     | -      | -    | -    | 163  | 221  | -    | -    | -    | -    |
| Asnort            | ratio | ection | 150  | 3.2   | 127    | 2.0  | 79    | 2.3    | 3.8    | 4.6  | 6.2  | 6.1  | 8.4  | -    | -    | 13.5 | 22.6 | 91     | 151    | 182  | 243  | 242  | 329  | -    | -    | 532  | 888  |
| Aspect 1<br>16:10 | Tatio | n dist | 200  | 4.3   | 170    | 2.7  | 106   | 3.0    | 5.0    | 6.1  | 8.2  | 8.2  | 11.1 | 11.1 | 18.0 | 18.0 | 30.0 | 119    | 198    | 241  | 323  | 321  | 438  | 437  | 709  | 708  | 1183 |
|                   |       | anc    | 300  | 6.5   | 254    | 4.0  | 159   | -      | 7.4    | 9.1  | 12.2 | 12.2 | 16.6 | 16.6 | 27.0 | 26.9 | 45.0 | -      | 293    | 358  | 481  | 480  | 655  | 654  | 1062 | 1061 | 1773 |
|                   |       | e a    | 400  | 8.6   | 339    | 5.4  | 212   | -      | 9.8    | 12.1 | 16.3 | 16.2 | 22.1 | 22.1 | 35.9 | 35.9 | 60.0 | -      | 388    | 476  | 640  | 639  | 872  | 871  | 1414 | 1414 | 2363 |
|                   |       |        | 500  | 10.8  | 424    | 6.7  | 265   | -      | 12.3   | 15.1 | 20.3 | 20.2 | 27.6 | 27.6 | 44.9 | 44.9 | 75.0 | -      | 483    | 594  | 799  | 797  | 1089 | 1088 | 1767 | 1767 | 2954 |
|                   |       |        | 7    | Throv | v rati | 0    |       | 0.67   | 1.12   | 1.39 | 1.87 | 1.87 | 2.56 | 2.56 | 4.16 | 4.16 | 6.96 | 0.67   | 1.12   | 1.39 | 1.87 | 1.87 | 2.56 | 2.56 | 4.16 | 4.16 | 6.96 |

# 9000 series

| Model                 |          |      | li    | tem     |      |      |      |      |      |      |              | r            | n    |      |      |      |      |      |      |      |      |      |              | incl         | h    |      |      |      |      |      |
|-----------------------|----------|------|-------|---------|------|------|------|------|------|------|--------------|--------------|------|------|------|------|------|------|------|------|------|------|--------------|--------------|------|------|------|------|------|------|
|                       |          |      | Scr   | een s   | ize  |      | USL  | -901 | SL-9 | 902  | SD-9<br>SD-9 | 903X<br>903W | ML-  | 904  | LL-9 | 905  | UL-  | 906  | USL  | -901 | SL-  | 902  | SD-9<br>SD-9 | 903X<br>903W | ML-  | 904  | LL-  | 905  | UL-  | 906  |
|                       |          | Туре | H(m)  | H(")    | V(m) | V(") | min. | max. | min. | max. | min.         | max.         | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min.         | max.         | min. | max. | min. | max. | min. | max. |
|                       |          | 80   | 1.6   | 64      | 1.2  | 48   | 1.3  | 1.7  | 2.0  | 3.0  | 2.8          | 4.2          | 4.1  | 6.2  | 5.9  | 9.5  | 9.4  | 14.9 | 53   | 66   | 78   | 116  | 109          | 164          | 160  | 245  | 232  | 376  | 371  | 588  |
| CP-X9110              | Proj.    | 100  | 2.0   | 80      | 1.5  | 60   | 1.7  | 2.1  | 2.5  | 3.7  | 3.5          | 5.2          | 5.1  | 7.8  | 7.4  | 12.0 | 11.7 | 18.6 | 66   | 82   | 98   | 146  | 136          | 205          | 200  | 306  | 291  | 471  | 462  | 732  |
| CP-X9111              | ojection | 150  | 3.0   | 120     | 2.3  | 90   | 2.5  | 3.1  | 3.7  | 5.5  | 5.2          | 7.8          | 7.6  | 11.7 | 11.1 | 18.0 | 17.5 | 27.8 | 98   | 122  | 147  | 218  | 205          | 307          | 301  | 459  | 439  | 708  | 688  | 1093 |
| Aspect ratio<br>4:3   |          | 200  | 4.1   | 160     | 3.0  | 120  | 3.3  | 4.1  | 5.0  | 7.4  | 6.9          | 10.4         | 10.2 | 15.5 | 14.9 | 24.0 | 23.2 | 36.9 | 131  | 163  | 196  | 291  | 273          | 410          | 401  | 612  | 586  | 945  | 914  | 1454 |
| 4.5                   | distance | 300  | 6.1   | 240     | 4.6  | 180  | 5.0  | 6.2  | 7.5  | 11.1 | 10.4         | 15.6         | 15.3 | 23.3 | 22.4 | 36.1 | 34.7 | 55.2 | 195  | 243  | 293  | 436  | 410          | 615          | 603  | 918  | 881  | 1419 | 1366 | 2175 |
|                       | e<br>a   | 400  | 8.1   | 320     | 6.1  | 240  | 6.6  | 8.2  | 9.9  | 14.8 | 13.9         | 20.8         | 20.4 | 31.1 | 29.9 | 48.1 | 46.2 | 73.6 | 260  | 324  | 391  | 582  | 547          | 820          | 804  | 1225 | 1176 | 1894 | 1818 | 2896 |
|                       |          | 500  | 10.2  | 400     | 7.6  | 300  | 8.2  | 10.3 | 12.4 | 18.5 | 17.4         | 26.0         | 25.5 | 38.9 | 37.4 | 60.1 | 57.7 | 91.9 | 325  | 405  | 489  | 727  | 684          | 1025         | 1006 | 1531 | 1471 | 2368 | 2270 | 3618 |
|                       |          |      | Throv | v ratio | 0    |      | 0.8  | 1.0  | 1.2  | 1.8  | 1.7          | 2.5          | 2.5  | 3.8  | 3.6  | 5.8  | 5.7  | 9.1  | 0.8  | 1.0  | 1.2  | 1.8  | 1.7          | 2.5          | 2.5  | 3.8  | 3.6  | 5.8  | 5.7  | 9.1  |
|                       |          | 80   | 1.7   | 68      | 1.1  | 42   | 1.4  | 1.8  | 2.1  | 3.2  | 3.0          | 4.5          | 4.4  | 6.7  | 6.4  | 10.3 | 10.1 | 16.0 | 57   | 70   | 84   | 125  | 117          | 176          | 172  | 263  | 250  | 404  | 399  | 631  |
| CP-WX9210             | Pro      | 100  | 2.2   | 85      | 1.3  | 53   | 1.8  | 2.2  | 2.7  | 4.0  | 3.7          | 5.6          | 5.5  | 8.3  | 8.0  | 12.9 | 12.6 | 20.0 | 71   | 88   | 105  | 156  | 147          | 220          | 216  | 329  | 314  | 506  | 496  | 786  |
| CP-WX9211             | jection  | 150  | 3.2   | 127     | 2.0  | 79   | 2.7  | 3.3  | 4.0  | 6.0  | 5.6          | 8.4          | 8.2  | 12.5 | 12.0 | 19.3 | 18.8 | 29.8 | 105  | 131  | 158  | 234  | 220          | 330          | 324  | 493  | 472  | 761  | 739  | 1173 |
| Aspect ratio<br>16:10 |          | 200  | 4.3   | 170     | 2.7  | 106  | 3.6  | 4.4  | 5.3  | 7.9  | 7.5          | 11.2         | 11.0 | 16.7 | 16.0 | 25.8 | 24.9 | 39.6 | 140  | 174  | 210  | 313  | 294          | 440          | 432  | 658  | 631  | 1016 | 982  | 1561 |
| 10:10                 | distance | 300  | 6.5   | 254     | 4.0  | 159  | 5.3  | 6.6  | 8.0  | 11.9 | 11.2         | 16.8         | 16.5 | 25.1 | 24.1 | 38.7 | 37.3 | 59.3 | 210  | 261  | 315  | 469  | 441          | 660          | 648  | 986  | 948  | 1525 | 1468 | 2336 |
|                       | e a      | 400  | 8.6   | 339     | 5.4  | 212  | 7.1  | 8.8  | 10.7 | 15.9 | 15.0         | 22.4         | 22.0 | 33.4 | 32.1 | 51.7 | 49.6 | 79.0 | 279  | 347  | 421  | 625  | 589          | 881          | 864  | 1315 | 1265 | 2035 | 1954 | 3111 |
|                       | -        | 500  | 10.8  | 424     | 6.7  | 265  | 8.9  | 11.0 | 13.4 | 19.8 | 18.7         | 28.0         | 27.4 | 41.8 | 40.2 | 64.6 | 62.0 | 98.7 | 349  | 434  | 526  | 781  | 736          | 1101         | 1080 | 1644 | 1582 | 2545 | 2440 | 3886 |
|                       |          | -    | Throv | v rati  | 0    |      | 0.8  | 1.0  | 1.2  | 1.8  | 1.7          | 2.6          | 2.5  | 3.8  | 3.7  | 5.9  | 5.8  | 9.2  | 0.8  | 1.0  | 1.2  | 1.8  | 1.7          | 2.6          | 2.5  | 3.8  | 3.7  | 5.9  | 5.8  | 9.2  |
|                       | Ī        | 80   | 1.7   | 68      | 1.1  | 42   | 1.4  | 1.7  | 2.0  | 3.0  | 2.8          | 4.3          | 4.2  | 6.4  | 6.0  | 9.8  | 9.6  | 15.3 | 54   | 67   | 80   | 119  | 111          | 167          | 164  | 250  | 238  | 385  | 380  | 601  |
| CP-WU9410             | Pro      | 100  | 2.2   | 85      | 1.3  | 53   | 1.7  | 2.1  | 2.5  | 3.8  | 3.5          | 5.3          | 5.2  | 7.9  | 7.6  | 12.2 | 12.0 | 19.0 | 67   | 84   | 100  | 149  | 140          | 209          | 205  | 313  | 298  | 482  | 472  | 749  |
| CP-WU9411             | jection  | 150  | 3.2   | 127     | 2.0  | 79   | 2.5  | 3.2  | 3.8  | 5.7  | 5.3          | 8.0          | 7.8  | 11.9 | 11.4 | 18.4 | 17.9 | 28.4 | 100  | 125  | 150  | 223  | 210          | 314          | 308  | 469  | 449  | 724  | 703  | 1118 |
| Aspect ratio<br>16:10 | on di    | 200  | 4.3   | 170     | 2.7  | 106  | 3.4  | 4.2  | 5.1  | 7.6  | 7.1          | 10.6         | 10.4 | 15.9 | 15.2 | 24.6 | 23.7 | 37.8 | 133  | 166  | 200  | 298  | 280          | 419          | 411  | 626  | 600  | 967  | 935  | 1487 |
| 16:10                 | distance | 300  | 6.5   | 254     | 4.0  | 159  | 5.1  | 6.3  | 7.6  | 11.3 | 10.7         | 16.0         | 15.7 | 23.9 | 22.9 | 36.9 | 35.5 | 56.5 | 200  | 248  | 300  | 446  | 420          | 629          | 617  | 939  | 902  | 1452 | 1397 | 2225 |
|                       | e (a)    | 400  | 8.6   | 339     | 5.4  | 212  | 6.8  | 8.4  | 10.2 | 15.1 | 14.2         | 21.3         | 20.9 | 31.8 | 30.6 | 49.2 | 47.2 | 75.2 | 266  | 331  | 400  | 595  | 560          | 838          | 823  | 1253 | 1203 | 1937 | 1860 | 2963 |
|                       | ľ        | 500  | 10.8  | 424     | 6.7  | 265  | 8.4  | 10.5 | 12.7 | 18.9 | 17.8         | 26.6         | 26.1 | 39.8 | 38.2 | 61.5 | 59.0 | 94.0 | 332  | 413  | 501  | 744  | 700          | 1048         | 1029 | 1566 | 1505 | 2422 | 2322 | 3701 |
|                       |          |      | Throv | v rati  | 0    |      | 0.8  | 1.0  | 1.1  | 1.7  | 1.6          | 2.4          | 2.4  | 3.6  | 3.5  | 5.6  | 5.5  | 8.8  | 0.8  | 1.0  | 1.1  | 1.7  | 1.6          | 2.4          | 2.4  | 3.6  | 3.5  | 5.6  | 5.5  | 8.8  |
|                       | Ī        | 80   | 1.8   | 64      | 1.0  | 48   | 1.4  | 1.8  | 2.1  | 3.1  | 2.9          | 4.4          | 4.3  | 6.5  | 6.2  | 10.0 | 9.9  | 15.7 | 55   | 69   | 82   | 122  | 115          | 172          | 169  | 257  | 245  | 395  | 390  | 618  |
| CP-HD9320             | Pro      | 100  | 2.2   | 80      | 1.2  | 60   | 1.8  | 2.2  | 2.6  | 3.9  | 3.6          | 5.5          | 5.4  | 8.2  | 7.8  | 12.6 | 12.3 | 19.5 | 69   | 86   | 103  | 153  | 143          | 215          | 211  | 322  | 307  | 495  | 485  | 769  |
| CP-HD9321             | jection  | 150  | 3.3   | 120     | 1.9  | 90   | 2.6  | 3.3  | 3.9  | 5.8  | 5.5          | 8.2          | 8.0  | 12.3 | 11.7 | 18.9 | 18.4 | 29.2 | 103  | 128  | 154  | 230  | 216          | 323          | 317  | 483  | 462  | 745  | 723  | 1148 |
| Aspect ratio          |          | 200  | 4.4   | 160     | 2.5  | 120  | 3.5  | 4.3  | 5.2  | 7.8  | 7.3          | 10.9         | 10.7 | 16.3 | 15.7 | 25.2 | 24.4 | 38.8 | 137  | 171  | 206  | 306  | 288          | 431          | 423  | 644  | 617  | 994  | 961  | 1528 |
| 16:9                  | distance | 300  | 6.6   | 240     | 3.7  | 180  | 5.2  | 6.5  | 7.8  | 11.7 | 11.0         | 16.4         | 16.1 | 24.5 | 23.5 | 37.9 | 36.5 | 58.1 | 205  | 255  | 309  | 459  | 432          | 646          | 634  | 966  | 927  | 1493 | 1436 | 2286 |
|                       | ce (a)   | 400  | 8.9   | 320     | 5.0  | 240  | 6.9  | 8.6  | 10.5 | 15.5 | 14.6         | 21.9         | 21.5 | 32.7 | 31.4 | 50.6 | 48.6 | 77.3 | 273  | 340  | 412  | 612  | 576          | 862          | 846  | 1288 | 1237 | 1991 | 1912 | 3045 |
|                       |          | 500  | 11.1  | 400     | 6.2  | 300  | 8.7  | 10.8 | 13.1 | 19.4 | 18.3         | 27.4         | 26.9 | 40.9 | 39.3 | 63.2 | 60.6 | 96.6 | 341  | 425  | 515  | 765  | 720          | 1077         | 1058 | 1610 | 1548 | 2490 | 2387 | 3803 |
|                       |          | -    | Throv | v rati  | 0    |      | 0.8  | 1.0  | 1.1  | 1.7  | 1.6          | 2.4          | 2.4  | 3.6  | 3.5  | 5.6  | 5.5  | 8.8  | 0.8  | 1.0  | 1.1  | 1.7  | 1.6          | 2.4          | 2.4  | 3.6  | 3.5  | 5.6  | 5.5  | 8.8  |
|                       | _        |      |       |         |      | _    |      |      |      |      |              |              |      |      |      |      |      |      |      |      |      |      |              |              |      |      |      |      |      |      |

# 8000 series

| Model                   | Ť         |       | Iten    | _      | _       |        |      |      |      | m    |      |      |       |       |        |      |      |      | inch |      |      |      |      |
|-------------------------|-----------|-------|---------|--------|---------|--------|------|------|------|------|------|------|-------|-------|--------|------|------|------|------|------|------|------|------|
| Model                   |           |       | Screer  |        |         | FL-701 | SL-  | 709  | ML-  |      | 11.2 | 704  | 111.  | 705   | FL-701 | SI = | 702  | ML-  |      | 11.2 | 704  | UL-  | 705  |
|                         |           |       | H(m) H( | _      | n) V(") | fix    | min. | max. | min. | max. | min. | max. | min.  | max.  | fix    | min. | max. | min. | max. | min. | max. | min. | max. |
|                         | Н         | 71    | .6 6    | +      | _       | 1.4    | 2.0  | 3.0  | 2.5  | 4.9  | 4.7  | 8.0  | 8.0   | 13.6  | 54     | 77   | 116  | 98   | 194  | 185  | 313  | 316  | 535  |
|                         | Proj.     |       | 2.0 8   | +      | _       | 1.7    | 2.5  | 3.7  | 3.1  | 6.2  | 5.9  | 10.0 | 10.0  | 16.9  | 67     | 97   | 145  | 122  | 242  | 231  | 392  | 393  | 667  |
| CP-X8170<br>CP-X8160    | oject     |       | 3.0 12  | +      | _       | 2.5    | 3.7  | 5.5  | 4.6  | 9.2  | 8.8  | 15.0 | 14.8  | 25.3  | 99     | 144  | 217  | 183  | 363  | 346  | 589  | 584  | 996  |
| Aspect ratio<br>4:3     | jection c |       | 1.1 16  | +      | _       | 3.4    | 4.9  | 7.4  | 6.2  | 12.3 | 11.7 | 20.0 | 19.7  | 33.6  | 132    | 192  | 289  | 244  | 484  | 461  | 787  | 775  | 1324 |
|                         | distance  |       | 5.1 24  | +      | _       | 5.0    | 7.3  | 11.0 | 9.3  | 18.4 | 17.6 | 30.0 | 29.4  | 50.3  | 197    | 288  | 434  | 366  | 725  | 692  | 1181 | 1157 | 1982 |
|                         | Се        |       | 3.1 32  | +      | _       | 6.7    | 9.7  | 14.7 | 12.4 | 24.6 | 23.4 | 40.0 | 39.1  | 67.1  | 262    | 383  | 578  | 487  | 967  | 922  | 1576 | 1539 | 2640 |
|                         |           |       | 0.2 40  | +      | _       | 8.3    | 12.2 | 18.3 | 15.5 | 30.7 | 29.3 | 50.0 | 48.8  | 83.8  | 327    | 478  | 722  | 609  | 1209 | 1153 | 1970 | 1921 | 3298 |
|                         | $\vdash$  |       | row ra  |        | 1       | 0.8    | 1.2  | 1.8  | 1.5  | 3.0  | 2.8  | 4.9  | 4.9   | 8.3   | 0.8    | 1.2  | 1.8  | 1.5  | 3.0  | 2.8  | 4.9  | 4.9  | 8.3  |
|                         |           |       | _       | _      |         |        | l    |      | ı    |      |      |      |       |       |        |      |      |      | l    |      |      |      |      |
|                         | ┚         |       | .7 6    | +      | +       | 1.4    | 2.1  | 3.1  | 2.6  | 5.2  | 5.0  | 8.4  | 8.5   | 14.4  | 57     | 82   | 123  | 104  | 206  | 196  | 332  | 334  | 566  |
| CP-WX8265<br>CP-WX8255A | _ಿ.       |       | 2.2 8   | +      | _       | 1.8    | 2.6  | 3.9  | 3.3  | 6.5  | 6.2  | 10.5 | 10.5  | 17.9  | 71     | 102  | 154  | 129  | 257  | 244  | 415  | 415  | 705  |
| Aspect ratio<br>16:10   | ection    |       | 3.2 12  | +      | _       | 2.7    | 3.9  | 5.8  | 4.9  | 9.8  | 9.3  | 15.8 | 15.7  | 26.7  | 105    | 153  | 230  | 194  | 385  | 366  | 624  | 617  | 1053 |
| 10.10                   | distance  |       | 1.3 17  | +      | +       | 3.5    | 5.2  | 7.8  | 6.6  | 13.0 | 12.4 | 21.1 | 20.8  | 35.6  | 140    | 203  | 306  | 259  | 513  | 488  | 833  | 819  | 1401 |
|                         |           |       | 5.5 25  | +      | _       | 5.3    | 7.7  | 11.7 | 9.8  | 19.5 | 18.6 | 31.8 | 31.1  | 53.3  | 209    | 304  | 459  | 388  | 769  | 732  | 1250 | 1224 | 2097 |
|                         | a         |       | 3.6 33  | +      | +       | 7.0    | 10.3 | 15.5 | 13.1 | 26.0 | 24.8 | 42.4 | 41.3  | 71.0  | 278    | 405  | 612  | 517  | 1025 | 976  | 1668 | 1628 | 2793 |
|                         | ⊢         |       | 0.8 42  |        | 7 265   | 8.8    | 12.9 | 19.4 | 16.4 | 32.5 | 31.0 | 53.0 | 51.6  | 88.6  | 346    | 506  | 764  | 646  | 1281 | 1220 | 2085 | 2032 | 3490 |
|                         |           | ır    | row r   | alio   | _       | 0.8    | 1.2  | 1.8  | 1.5  | 3.0  | 2.8  | 4.9  | 4.9   | 8.3   | 0.8    | 1.2  | 1.8  | 1.5  | 3.0  | 2.8  | 4.9  | 4.9  | 8.3  |
|                         |           | 80 1  | .7 6    | 8 1.   | 1 42    | 1.4    | 2.0  | 3.1  | 2.6  | 5.1  | 4.9  | 8.3  | 8.3   | 14.1  | 56     | 80   | 121  | 101  | 202  | 192  | 325  | 328  | 555  |
| CP-WU8460               | roje      | 100 2 | 2.2 8   | 5 1.3  | 3 53    | 1.7    | 2.5  | 3.8  | 3.2  | 6.4  | 6.1  | 10.3 | 10.3  | 17.6  | 69     | 100  | 151  | 127  | 252  | 240  | 407  | 407  | 691  |
| CP-WU8461<br>CP-WU8450  | jection   | 150 3 | 3.2 12  | 27 2.0 | 0 79    | 2.5    | 3.8  | 5.7  | 4.8  | 9.6  | 9.1  | 15.5 | 15.4  | 26.2  | 103    | 150  | 225  | 190  | 377  | 359  | 612  | 605  | 1033 |
| CP-WU8451<br>CP-WU8440  | distan    | 200 4 | 1.3 17  | 70 2.  | 7 106   | 3.3    | 5.1  | 7.6  | 6.4  | 12.8 | 12.2 | 20.7 | 20.4  | 34.9  | 137    | 199  | 300  | 253  | 503  | 479  | 816  | 803  | 1374 |
| Aspect ratio<br>16:10   | ance      | 300 6 | 5.5 25  | 54 4.0 | 0 159   | 5.0    | 7.6  | 11.4 | 9.6  | 19.1 | 18.2 | 31.1 | 30.5  | 52.2  | 204    | 298  | 450  | 379  | 754  | 718  | 1226 | 1200 | 2056 |
| 10.10                   | (a)       | 400 8 | 3.6 33  | +      | _       | 6.6    | 10.1 | 15.2 | 12.8 | 25.5 | 24.3 | 41.5 | 40.5  | 69.6  | 272    | 397  | 600  | 506  | 1005 | 957  | 1635 | 1596 | 2739 |
|                         | ┝         | 500 1 | 0.8 42  | 24 6.  | 7 265   | 8.3    | 12.6 | 19.0 | 16.1 | 31.9 | 30.4 | 51.9 | 50.6  | 86.9  | 340    | 496  | 749  | 632  | 1256 | 1196 | 2044 | 1993 | 3421 |
|                         | <u>_</u>  | Th    | row r   | atio   |         | 0.8    | 1.2  | 1.8  | 1.5  | 3.0  | 2.8  | 4.9  | 4.9   | 8.3   | 0.8    | 1.2  | 1.8  | 1.5  | 3.0  | 2.8  | 4.9  | 4.9  | 8.3  |
|                         |           | 80 1  | .6 6    | 4 1.5  | 2 48    | 1.4    | 2.0  | 2.9  | 2.5  | 4.9  | 4.7  | 7.9  | 8.0   | 13.5  | 53     | 77   | 115  | 97   | 193  | 183  | 311  | 314  | 531  |
| CP-SX8350               | Proje     | 100 2 | 2.0 8   | 0 1.   | 5 60    | 1.7    | 2.4  | 3.7  | 3.1  | 6.1  | 5.8  | 9.9  | 9.9   | 16.8  | 66     | 96   | 144  | 121  | 241  | 229  | 389  | 390  | 662  |
| Aspect ratio<br>4:3     | jection   | 150 3 | 3.0 12  | 20 2.3 | 3 90    | 2.5    | 3.6  | 5.5  | 4.6  | 9.2  | 8.7  | 14.9 | 14.7  | 25.1  | 99     | 143  | 216  | 182  | 361  | 344  | 585  | 579  | 988  |
|                         | dist      | 200 4 | 1.1 16  | 3.0    | 0 120   | 3.3    | 4.8  | 7.3  | 6.2  | 12.2 | 11.6 | 19.8 | 19.5  | 33.4  | 131    | 191  | 287  | 242  | 481  | 458  | 781  | 769  | 1314 |
|                         | distance  | 300 6 | 6.1 24  | 10 4.6 | 6 180   | 5.0    | 7.2  | 10.9 | 9.2  | 18.3 | 17.4 | 29.8 | 29.2  | 50.0  | 196    | 285  | 430  | 363  | 720  | 686  | 1172 | 1148 | 1967 |
|                         | (a)       | 400 8 | 3.1 32  | 20 6.  | 1 240   | 6.6    | 9.7  | 14.6 | 12.3 | 24.4 | 23.2 | 39.7 | 38.8  | 66.5  | 260    | 380  | 573  | 484  | 960  | 915  | 1563 | 1527 | 2619 |
|                         | L         | 500 1 | 0.2 40  | 00 7.6 | 6 300   | 8.3    | 12.1 | 18.2 | 15.4 | 30.5 | 29.1 | 49.6 | 48.4  | 83.1  | 325    | 475  | 717  | 605  | 1200 | 1144 | 1955 | 1906 | 3272 |
|                         |           | Th    | row r   | atio   |         | 0.8    | 1.2  | 1.8  | 1.5  | 3.0  | 2.8  | 4.9  | 4.9   | 8.3   | 0.8    | 1.2  | 1.8  | 1.5  | 3.0  | 2.8  | 4.9  | 4.9  | 8.3  |
|                         |           | 80 1  | .6 6    | 4 1.5  | 2 48    | 1.7    | 2.4  | 3.7  | 3.1  | 6.2  | 5.9  | 9.9  | 10.0  | 16.9  | 67     | 96   | 145  | 122  | 242  | 231  | 392  | 392  | 666  |
| CP-X8150                | Proj.     | 100 2 | 2.0 8   | 0 1.5  | 5 60    | 2.1    | 3.1  | 4.6  | 3.9  | 7.7  | 7.3  | 12.4 | 12.4  | 21.1  | 83     | 120  | 181  | 153  | 303  | 288  | 490  | 487  | 830  |
| Aspect ratio<br>4:3     | jectio    | 150 3 | 3.0 12  | 20 2.3 | 3 90    | 3.1    | 4.6  | 6.9  | 5.8  | 11.5 | 11.0 | 18.7 | 18.4  | 31.5  | 124    | 180  | 271  | 229  | 454  | 432  | 736  | 726  | 1240 |
|                         | -         | 200 4 | 1.1 16  | 3.0    | 0 120   | 4.2    | 6.1  | 9.2  | 7.8  | 15.4 | 14.6 | 25.0 | 24.5  | 41.9  | 164    | 239  | 361  | 305  | 605  | 576  | 982  | 964  | 1651 |
|                         | distance  | 300 6 | 6.1 24  | 10 4.6 | 6 180   | 6.2    | 9.1  | 13.7 | 11.6 | 23.0 | 21.9 | 37.5 | 36.6  | 62.8  | 246    | 359  | 541  | 458  | 907  | 863  | 1475 | 1441 | 2472 |
|                         | e<br>(a)  | 400 8 | 3.1 32  | 20 6.  | 1 240   | 8.3    | 12.1 | 18.3 | 15.5 | 30.7 | 29.2 | 50.0 | 48.7  | 83.6  | 327    | 478  | 721  | 610  | 1208 | 1151 | 1967 | 1918 | 3293 |
|                         |           | 500 1 | 0.2 40  | 00 7.6 | 6 300   | 10.4   | 15.2 | 22.9 | 19.4 | 38.4 | 36.5 | 62.5 | 60.8  | 104.5 | 408    | 597  | 901  | 762  | 1510 | 1438 | 2459 | 2395 | 4113 |
|                         |           | Th    | row ra  | atio   |         | 1.0    | 1.5  | 2.2  | 1.9  | 3.8  | 3.6  | 6.1  | 6.0   | 10.3  | 1.0    | 1.5  | 2.2  | 1.9  | 3.8  | 3.6  | 6.1  | 6.0  | 10.3 |
|                         |           | 80 1  | .7 6    | 8 1.   | 1 42    | 1.8    | 2.6  | 3.9  | 3.3  | 6.5  | 6.2  | 10.5 | 10.5  | 17.9  | 71     | 102  | 154  | 130  | 257  | 244  | 415  | 415  | 705  |
| CP-WX8240A              | Proj.     | 100 2 | 2.2 8   | 5 1.3  | 3 53    | 2.2    | 3.2  | 4.9  | 4.1  | 8.1  | 7.8  | 13.2 | 13.1  | 22.3  | 88     | 127  | 192  | 162  | 321  | 305  | 520  | 516  | 879  |
| Aspect ratio<br>16:10   | jection   | 150 3 | 3.2 12  | 27 2.0 | 0 79    | 3.3    | 4.8  | 7.3  | 6.2  | 12.2 | 11.6 | 19.8 | 19.5  | 33.4  | 131    | 191  | 287  | 243  | 481  | 458  | 780  | 769  | 1314 |
| 10.10                   |           | 200 4 | 1.3 17  | 70 2.  | 7 106   | 4.4    | 6.4  | 9.7  | 8.2  | 16.3 | 15.5 | 26.5 | 25.9  | 44.4  | 174    | 254  | 383  | 324  | 641  | 610  | 1041 | 1021 | 1749 |
|                         | distance  |       | 6.5 25  | +      | _       | 6.6    | 9.7  | 14.6 | 12.3 | 24.4 | 23.2 | 39.7 | ]38.8 | 66.5  | 260    | 380  | 573  | 485  | 961  | 915  | 1563 | 1527 | 2619 |
|                         | се (а     | 400 8 | 3.6 33  | 39 5.4 | 4 212   | 8.8    | 12.9 | 19.4 | 16.4 | 32.5 | 31.0 | 53.0 | 51.6  | 88.6  | 346    | 506  | 764  | 647  | 1281 | 1220 | 2085 | 2032 | 3490 |
|                         | ľ         | 500 1 | 0.8 42  | 24 6.  | 7 265   | 11.0   | 16.1 | 24.3 | 20.5 | 40.7 | 38.7 | 66.2 | 64.5  | 110.7 | 433    | 633  | 955  | 808  | 1601 | 1525 | 2607 | 2538 | 4360 |
|                         |           | Th    | row r   | atio   |         | 1.0    | 1.5  | 2.2  | 1.9  | 3.8  | 3.6  | 6.1  | 6.0   | 10.3  | 1.0    | 1.5  | 2.2  | 1.9  | 3.8  | 3.6  | 6.1  | 6.0  | 10.3 |
|                         | _         |       |         |        |         |        |      |      |      |      |      |      |       |       |        |      |      |      |      |      |      |      |      |

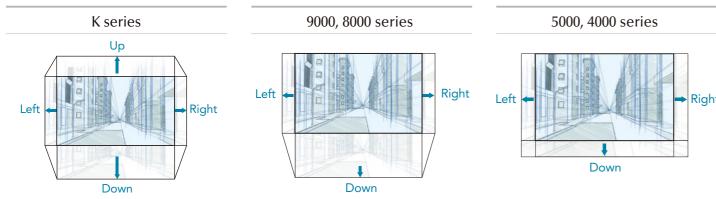
# 5000 series, 4000 series

|                            |            |             |      |       |      | •    |      |      |      |     |
|----------------------------|------------|-------------|------|-------|------|------|------|------|------|-----|
| Model                      |            | Screen size |      |       |      |      | n    | n    | inch |     |
|                            |            | Туре        | H(m) | H(")  | V(m) | V(") | min. | max. | min. | max |
|                            | Proj       | 80          | 1.6  | 64    | 1.2  | 48   | 2.4  | 4.0  | 94   | 15  |
| CP-X5022WN                 | Projection | 100         | 2.0  | 80    | 1.5  | 60   | 3.0  | 5.0  | 118  | 19' |
| CP-X4022WN<br>Aspect ratio |            | 150         | 3.0  | 120   | 2.3  | 90   | 4.5  | 7.5  | 179  | 29  |
| 4:3                        | distance   | 200         | 4.1  | 160   | 3.0  | 120  | 6.1  | 10.1 | 239  | 39  |
|                            | e<br>a     | 300         | 6.1  | 240   | 4.6  | 180  | 9.1  | 15.1 | 360  | 59  |
|                            |            | T           | hrow | ratio | )    |      | 1.5  | 2.5  | 1.5  | 2.5 |

| 1 | Model                 | Screen size |      |      |       |      |       | n    | ı    | inch |      |
|---|-----------------------|-------------|------|------|-------|------|-------|------|------|------|------|
|   |                       |             | Туре | H(m) | H(")  | V(m) | V(" ) | min. | max. | min. | max. |
|   | CP-WX4022WN           | Proj        | 80   | 1.7  | 68    | 1.1  | 42    | 2.6  | 4.3  | 103  | 171  |
| C |                       | Projection  | 100  | 2.2  | 85    | 1.3  | 53    | 3.3  | 5.5  | 129  | 215  |
| ٨ | roort ratio           | on distance | 150  | 3.2  | 127   | 2.0  | 79    | 5.0  | 8.2  | 195  | 323  |
|   | Aspect ratio<br>16:10 |             | 200  | 4.3  | 170   | 2.7  | 106   | 6.6  | 11.0 | 261  | 432  |
|   |                       | e a         | 300  | 6.5  | 254   | 4.0  | 159   | 10.0 | 16.5 | 393  | 650  |
|   |                       |             | Т    | hrow | ratio | )    |       | 1.5  | 2.5  | 1.5  | 2.5  |

# Lens Shift (for upside-down installation)

Vertical or horizontal distance from the center of the projected image to the point where the lens axis intersects the screen. The illustrations below show the range of LENS SHIFT when the projector is installed upside down, such as on a ceiling mount.



#### K series

|                |            | FL-K01 | FL-K02     | SL-K03     | ML-K04     | LL-K05     | UL-K06     |
|----------------|------------|--------|------------|------------|------------|------------|------------|
| CD 11/11/1401/ | Left/Right | n/a    | 0 - ±10%   | 0 - ±10%   | 0 - ±10%   | 0 - ±10%   | 0 - ±10%   |
| CP-WU13K       | Up/Down    | n/a    | -25 - +50% | -25 - +50% | -25 - +50% | -25 - +50% | -25 - +50% |

#### 9000 series

|           |            | USL-901  | SL-902   | SD-903W<br>SD-903X | ML-904   | LL-905   | UL-906   |
|-----------|------------|----------|----------|--------------------|----------|----------|----------|
| CP-X9110  | Left/Right | 0 - ±10% | 0 - ±10% | 0 - ±10%           | 0 - ±10% | 0 - ±10% | 0 - ±10% |
| CP-X9111  | Down       | 0 - 50%  | 0 - 55%  | 0 - 55%            | 0 - 55%  | 0 - 55%  | 0 - 55%  |
| CP-WX9210 | Left/Right | 0 - ±10% | 0 - ±10% | 0 - ±10%           | 0 - ±10% | 0 - ±10% | 0 - ±10% |
| CP-WX9211 | Down       | 0 - 55%  | 0 - 65%  | 0 - 65%            | 0 - 65%  | 0 - 65%  | 0 - 65%  |
| CP-WU9410 | Left/Right | 0 - ±10% | 0 - ±10% | 0 - ±10%           | 0 - ±10% | 0 - ±10% | 0 - ±10% |
| CP-WU9411 | Down       | 0 - 50%  | 0 - 60%  | 0 - 60%            | 0 - 60%  | 0 - 60%  | 0 - 60%  |
| CP-HD9320 | Left/Right | 0 - ±10% | 0 - ±10% | 0 - ±10%           | 0 - ±10% | 0 - ±10% | 0 - ±10% |
| CP-HD9321 | Down       | 0 - 55%  | 0 - 65%  | 0 - 65%            | 0 - 65%  | 0 - 65%  | 0 - 65%  |

#### 8000 series

|                                     |            | FL-701     | SL-702   | ML-703   | LL-704   | UL-705   |
|-------------------------------------|------------|------------|----------|----------|----------|----------|
| CP-X8170                            | Left/Right | 0% (Fixed) | 0 - ±10% | 0 - ±10% | 0 - ±10% | 0 - ±10% |
| CP-X8160                            | Down       | 0% (Fixed) | 0 - 40%  | 0 - 50%  | 0 - 40%  | 0 - 40%  |
| CP-WX8255A                          | Left/Right | 0% (Fixed) | 0-±10%   | 0 - ±10% | 0 - ±10% | 0 - ±10% |
| CP-WX8265                           | Down       | 0% (Fixed) | 0 - 50%  | 0 - 55%  | 0 - 50%  | 0 - 50%  |
| CP-WU8460<br>CP-WU8461              | Left/Right | 0% (Fixed) | 0 - ±10% | 0 - ±10% | 0 - ±10% | 0 - ±10% |
| CP-WU8450<br>CP-WU8451<br>CP-WU8440 | Down       | 0% (Fixed) | 0 - 50%  | 0 - 55%  | 0 - 50%  | 0 - 50%  |
| CP-SX8350                           | Left/Right | 0% (Fixed) | 0 - ±10% | 0 - ±10% | 0 - ±10% | 0 - ±10% |
| C1-3A0330                           | Down       | 0% (Fixed) | 0 - 40%  | 0 - 50%  | 0 - 40%  | 0 - 40%  |
| CP-X8150                            | Left/Right | 0% (Fixed) | 0 - ±50% | 0 - ±50% | 0 - ±50% | 0 - ±50% |
| CF-A0130                            | Down       | 0% (Fixed) | 0 - 60%  | 0 - 60%  | 0 - 60%  | 0 - 60%  |
| CP-WX8240A                          | Left/Right | 0% (Fixed) | 0 - ±50% | 0 - ±50% | 0 - ±50% | 0 - ±50% |
| C1 - VV X0240/X                     | Down       | 0% (Fixed) | 0 - 75%  | 0 - 75%  | 0 - 75%  | 0 - 75%  |

#### 5000 series, 4000 series

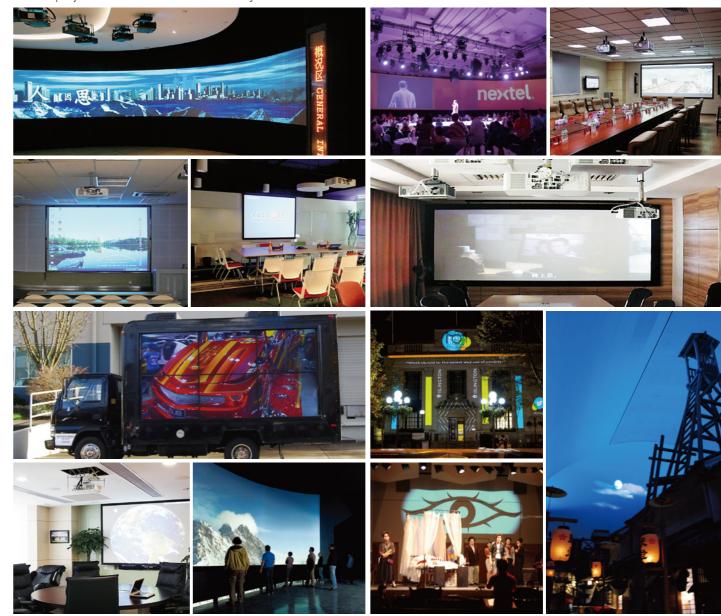
| CP-X5022WN     | Left/Right | 0 - ±5%  |
|----------------|------------|----------|
| CP-X4022WN     | Down       | 30 - 50% |
| CP-WX4022WN    | Left/Right | 0 - ±5%  |
| CF-VVA4022VVIN | Down       | 36 - 60% |

# **Option**

|  | 3-Chip DLP®  | 1-Chip DLP®  |   |  | 3 LCD  |   |   |   |  |  |
|--|--|--|---|--|--|---|---|---|--|--|
|  | K series   | 9000 series  |   |  | 8000   | series                                      | 5000 series, 4000 series                        |   |  |  |
| Model name   | CP-WU13K   | CP-X9110/CP-X9111<br>CP-WX9210/CP-WX9211<br>CP-WU9410/CP-WU9411  | CP-HD9320<br>CP-HD9321                          | CP-WU8460                              | CP-X8160<br>CP-WX8255A<br>CP-WU8450<br>CP-WU8451                     | CP-SX8350                                   | CP-X8150<br>CP-WX8240A<br>CP-WU8440             | CP-X5022WN<br>CP-X4022WN<br>CP-WX4022WN     |  |  |
| Lamp   | DT01591  | DT01581  | DT01731   | DT01471                                | DT0  | 1291  | DT01281   | DT01171 (including a filter unit)           |  |  |
| Filter set   | MU08321 (for front), MU08331 (for rear)  | UX3  | 9551  | UX38242                                | UX38241  | MUO6642                                     | MU06642   | MU07791                                     |  |  |
| Lens unit  (K/9000 series of projectors are supplied without a projection lens.) | FL-K01 (Fixed short throw lens) FL-K02 (Fixed short throw lens) SL-K03 (Short throw zoom lens) ML-K04 (Standard zoom lens) LL-K05 (Long throw zoom lens) UL-K06 (Ultra long throw zoom lens) | USL-901 (Ultra short throw lens) SL-902 (Short throw lens) SD-903W (Standard lens for CP-WX9210/CP-WX9211/ CP-WU9410/CP-WU9411/CP-HD9320/CP-HD9321) SD-903X (Standard lens for CP-X9110/CP-X9111) ML-904 (Middle throw lens) LL-905 (Long throw lens) UL-906 (Ultra long throw lens) |   |  | 701 (Fixed<br>702 (Short<br>L-703 (Midd<br>704 (Long<br>L-705 (Ultra | throw lens)<br>le throw lens<br>throw lens) | -   |   |  |  |
| Mounting accessory   | HAS-13K<br>(Bracket for ceiling mount)   | HAS-<br>(Bracket for t   |   | HAS-8150<br>(Bracket for fixing mount) |  |   | HAS-3010<br>(Bracket for fixing mount)          |   |  |  |
|  | -  |  | HAS-204L<br>(Standard adapter for fixing mount) |  |  | 204L<br>for fixing m                        | HAS-204L<br>(Standard adapter for fixing mount) |   |  |  |
|  | FS-13K<br>(Frame for stacking)   |  | HAS-304H<br>(Long adapter for fixing mount)     |  | HAS-304H<br>(Long adapter for fixing mount)                          |   |   | HAS-304H<br>(Long adapter for fixing mount) |  |  |
| USB wireless adapter   | -  | USB-WL-11N   |   |  | USB-WL   | -11N  | USB-WL-11N                                      |   |  |  |
| Others   | -  |  | -   | -                                      |  |   | RC-R008<br>(Laser remote control)               |   |  |  |

# **Installation Example**

Hitachi projectors are utilized in various ways.



#### - Design and specifications are subject to change without notice.

- $\bullet$  The projected images and comparison photos in this catalog are simulations.
- LCD panels, polarizers and other optical components, and cooling fans may need replacement after prolonged usage. For more details, please consult a Hitachi sales representative.
- 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, LCD panel, polarizing plate, PBS [polarizer beam splitter]) 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.
- LCD panel: If the projector is used continuously for six hours or more, its replacement cycle may be shortened.
- Do not turn the projector on again for ten minutes after shutdown. Neglect can shorten the lifetime of 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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