### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input</strong></td>
<td></td>
</tr>
<tr>
<td>Image system</td>
<td>DL-PRO system</td>
</tr>
<tr>
<td>Panel specs</td>
<td></td>
</tr>
<tr>
<td>Brightness</td>
<td>3000lm (typical)</td>
</tr>
<tr>
<td>Resolution</td>
<td>1920x1080 (native)</td>
</tr>
<tr>
<td>Scan frequency</td>
<td>15-85 kHz</td>
</tr>
<tr>
<td>Video</td>
<td></td>
</tr>
<tr>
<td>PC</td>
<td></td>
</tr>
<tr>
<td>Image</td>
<td></td>
</tr>
<tr>
<td>Serial</td>
<td></td>
</tr>
<tr>
<td>Picture mode</td>
<td>4 patterns + 3 AV memories</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td></td>
</tr>
<tr>
<td>Power source voltage</td>
<td>AC100-240V 50/60Hz</td>
</tr>
<tr>
<td>Weight</td>
<td>12.6lbs</td>
</tr>
<tr>
<td>Main unit dimensions (WxDxH)</td>
<td>15.6&quot;x12.9&quot;x5.6&quot; (Not including protrusion)</td>
</tr>
<tr>
<td>Supplied accessories</td>
<td>Power cord (1.8m), Remote control, AA batteries (x2), Emitter cable (3m), RGB signal cable, Lens cap, Lamp replacement attachment, Extra Replacement Lamp (VLT-HC7800LP)</td>
</tr>
<tr>
<td>Warranty</td>
<td>3-Years of Parts/Labor, 3-Years of Express Replacement Assistance (ERA), 1-year or 500 hours lamp warranty (whichever comes first)</td>
</tr>
</tbody>
</table>

**3D Viewing Precautions**

- Make sure the pupil area of 3D glasses is smaller than the actual area of the screen in order to avoid double vision.
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- When watching 3D programs, be sure to take occasional breaks and do not watch continuously for long periods of time.
- The viewing of 3D images is recommended for adults and children over the age of 5-8.
- The proper viewing form for 3D images is to view 3D Glasses and have both eyes horizontal to the screen as much as possible.
- 3D Glasses are fragile and may break if the frames are twisted or if handled roughly. Do not wash 3D programs if the 3D Glasses are defective or there is a problem with them.
- When viewing 3D images, it is recommended to sit at a viewing distance equal to at least three times the effective screen size.

**Eco Changes**

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.
True Cinema Pleasure Delivered in the Privacy of Your Home

There is nothing more pleasing and relaxing than being in the comfort of your own home, sitting in your favorite seat and watching movies and other programs reproduced in cinema-level imagery. For people seeking such times of blissful enjoyment, Mitsubishi Electric introduces the new HC8000D-BL. Incorporating our latest original image-processing technologies, the high picture quality of images projected has never been more beautiful. Especially notable are advancements in resolving annoying 3D phenomena such as crosstalk, judder, flicker and loss of brightness, and achieving brighter, sharper, clearer 3D performance. If not satisfied simply by dynamics, now is your time and this is the projector!
Black Liquid-crystal 3D Glasses with High-speed Shutter Realizing Overwhelming 3D Performance and Comfort

A high-speed black liquid-crystal shutter is the latest innovation added to our 3D glasses. Through overlap of the TN liquid-crystal “normally black” and “normally white” modes, a high-speed response comparable to that of ferroelectric liquid-crystal and close to ten times faster than that of conventional liquid-crystal has been achieved. Contrast has also been dramatically improved, allowing viewers to sit back and enjoy amazing 3D-playback performance and stunning high-definition images. To top off the enhanced viewing experience, the weight of the glasses has been reduced for greater comfort.

Minimal Crosstalk
Quick-response DLP™ pixel elements prevent the mixing of left and right eye images, realizing sharp picture reproduction.

Brightness Maintained
The high-speed opening/closing operation of the shutters in the newly developed 3D glasses results in remarkable brightness by suppressing the loss of luminance.

Minimal Judder
Combined with a 3D-compatible frame rate converter (FRC), high-definition images with nominal image lag are achieved.

Minimal Flicker
Flicker when the screen is white has been reduced through use of a 120Hz conversion process in addition to that of the conventional horizontal 96Hz display. (minimal judder and minimal flicker cannot be applied simultaneously).

General-use 3D glasses can also be used
This 3D experience can also be enjoyed using commercially available 3D glasses for general-use.
* Some types of glasses may not work with this unit. Please confirm compatibility at the retail store before purchase. Wireless glasses cannot be used.

The newly developed black liquid-crystal glasses with high-speed shutter are designed to fully concur with the high-speed response of the digital light processing (DLP™) element itself. In addition, Mitsubishi Electric’s long-cultivated image technologies, such as the 3D-compatible frame rate converter (FRC), have been brought together to realize an awe-inspiring level of 3D image beauty. The amazingly sharp (minimal crosstalk), bright (brightness maintained), clear (minimal judder) and smooth (minimal flicker) images allow unbridled enjoyment of 3D content.

Black Liquid-crystal 3D Glasses with High-speed Shutter Realizing Overwhelming 3D Performance and Comfort

Enjoy Favorite Movies of the Past in 3D - Built-in high-precision conversion feature

Thanks to motion-vector analysis technology, the position of a person can be distinguished from the background and a moderate parallax added to produce the sensation of depth used in 3D images. Unlike simple 2D-to-3D conversion where the entire screen is shifted, 3D images with a natural sensation of depth are reproduced, making it possible to bring even classic films back to life in vivid 3D.
New optical engine with comprehensively improved contrast and light leakage realizing high contrast of 320,000:1
An optimized Variable Iris is equipped within the DLP® element. As a result, true blacks can be clearly depicted even during bright-dark scene intervals. Additionally, the projection system is equipped with a fixed Iris for the lens and two other fixed iris for cutting surplus light. The result is dramatically improved contrast.

Iris-1

Iris-2

Iris-3

New Variable Iris

True Video Mode
Blurriness is suppressed using video image motion interpolation.

New frames are created from previous and succeeding images.

True Film Mode
While retaining the clicking sensation unique to film, sharp clear images are projected.

Interpolation while maintaining the 24-frame film-like texture.

Possible to set high-speed (6x) drive
As well as the conventional drive speed, a high-speed (6x) drive can be set exclusively for the 24P signal in 2D. This feature minimizes the color breaking noise that is produced due to color-wheel-based color separation methods.

FRC installed – Reproduce content supplemented with optimal frame number
Applying motion-vector analysis technology, data from the previous and succeeding images are used to produce highly accurate image frames. The optimal number of frames is supplemented to match the contents and the final image is reproduced. As a result, motion blur in the vertical, horizontal and diagonal directions is suppressed.

Variable Iris

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HC8000D

The Latest Image Technologies Brought Together for Cinema-like Quality in 2D or 3D

High-performance extra-low-dispersion lens for full high-definition resolution (with V-lens shift)
Compared to commonly used glass lenses, the projector is equipped with a high-performance extra-low-dispersion (ED) lens system comprised of a total of 13 lenses in four groups. Chromatic aberration is minimized to the latest and image resolution is improved throughout, including the periphery.

High 1300lm (Max.) luminance with clear, high-definition images
In addition to Variable Iris, a high-power lamp is adopted, providing both enhanced image brightness and contrast. The high 1300-lumen (Max.) brightness ensures that, in both 2D and 3D, high-resolution images are cleaner, sharper and more vivid than ever.

3D images reproduced in full high-definition with fine gradation
• Equipped with ten full 10-bit panel drivers (DDP3021)
• PNX 5120 chip of FRC installed.

High-quality coloration faithful to image source reproduced
The HC8000D incorporates the color reproduction performance of the HC9000D, vastly expanding the color range. Colors such as the greens of trees and cyan shades of oceans that were previously hard to produce are now included, enabling the reproduction of images with deeper, more vivid hues.

Color management function for easy fine-tuning of colors
The projector is equipped with a new color management function for independent color R (red), G (green), B (blue), C (cyan), M (magenta) and Y (yellow) adjustment of "Hue," "Saturation" and "Brightness." It is also possible to adjust a specific color; when a color is selected only the objects of that color are shown in color (others are in monotone), making it possible to tune colors to preference more easily.

HD-3D Emitter 3D Glasses

HD-3D EM72H

 REPLACEMENT<br> LAMP

EY-5DSG-85U

EY-5D-EM72H

VLT-HC7000LP

3D Emitter

2D Glasses

Options

*Not including protrusion. *The lens focus point is the default set all the areas at home from the factory.

External Dimensions (unit: mm)

Screen Size and Projection Distances

<table>
<thead>
<tr>
<th>Screen size</th>
<th>Distance from Screen (cm)</th>
<th>Movable V position from default position (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>360</td>
<td>249</td>
<td>0</td>
</tr>
<tr>
<td>300</td>
<td>187</td>
<td>−20</td>
</tr>
<tr>
<td>244</td>
<td>137</td>
<td>−45</td>
</tr>
<tr>
<td>197</td>
<td>92</td>
<td>−92</td>
</tr>
<tr>
<td>155</td>
<td>443</td>
<td>−165</td>
</tr>
<tr>
<td>111</td>
<td>244</td>
<td>−270</td>
</tr>
<tr>
<td>62</td>
<td>87</td>
<td>−337</td>
</tr>
</tbody>
</table>

New Panel Drivers

Equipped with two full 10-bit panel drivers (DDP3021)

Enhanced image brightness and clarity in both 2D and 3D

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