Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>HC4000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projection system</td>
<td>DLP™ system</td>
</tr>
<tr>
<td>Panel size</td>
<td>0.65 DMD, Aspect ratio 16:9</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>1920x1080</td>
</tr>
<tr>
<td>Drive system</td>
<td>DMD reflection system</td>
</tr>
<tr>
<td>Based on</td>
<td>Time-division color separation/composition system</td>
</tr>
<tr>
<td>Contrast ratio*1</td>
<td>4000:1 (ON/OFF), 750:1 (ANSI)</td>
</tr>
<tr>
<td>Brightness*1</td>
<td>1300 lumens</td>
</tr>
<tr>
<td>Lens</td>
<td>1.5x manual zoom / manual operation</td>
</tr>
<tr>
<td>Light source lamp</td>
<td>230W (at standard mode), 190W (at low mode)</td>
</tr>
<tr>
<td>Resolution</td>
<td>640x480 - UXGA1600x1200, 1920x1080</td>
</tr>
<tr>
<td>Scan frequency</td>
<td>50-85</td>
</tr>
<tr>
<td>Video input:</td>
<td>480i/p, 576i/p, 1080i 60/50, 1080p 60/50/24, 720p 60/50</td>
</tr>
<tr>
<td>Gamma mode</td>
<td>3 patterns + 2 users</td>
</tr>
<tr>
<td>Digital keystone (Vertical)</td>
<td>±15 steps</td>
</tr>
<tr>
<td>Power source voltage</td>
<td>100-240V AC, 50/60Hz</td>
</tr>
<tr>
<td>Power consumption (W)</td>
<td>340 (at waiting)</td>
</tr>
<tr>
<td>Weight</td>
<td>7.9lbs</td>
</tr>
<tr>
<td>Main unit dimensions (WxDxH)</td>
<td>13.6”x5.1”x10.6” (excluding height adjustment)</td>
</tr>
<tr>
<td>Supplied accessories</td>
<td>Power source cord (1.8m), Remote control, AA batteries (3), RGB signal cable, Lens cap, Lamp replacement attachment</td>
</tr>
<tr>
<td>Optional accessories</td>
<td>Ceiling Mount (PROJ-UCM-PRO2), Ceiling Mount Accessory (PROJ-FCA), Replacement Lamp (VLT-HC3800LP), Remote Control (HC3800REM)</td>
</tr>
</tbody>
</table>

For a greener tomorrow

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.
Movies, TV programs, games and more
Enjoy it all in high-definition on 100”+ screens

Imagine it—the HC4000 bringing you hours of viewing pleasure in the comfort of your own home. Easy to set-up and operate – the HC4000 reproduces beautiful, high-definition (HD) imagery, bringing movies and TV programs to life with vivid, sharp colors, and adding new meaning to the word “excitement” when playing games. Enjoy it all on a large 100”+ screen while relaxing on your living room sofa.

Finally, an affordable full-HD projector that spares nothing to ensure a new dimension in viewing pleasure. An amazing level of beauty and excitement you need to experience with your own eyes.

High-performance 0.65-in DLP® DarkChip3™
A key feature of the HC4000 is the latest Digital Light Processing (DLP®) chip incorporating a new digital micro-mirror device (DMD) comprised of densely embedded micromirrors. A smaller mirror cavity diameter and narrower gaps between the mirrors improve the aperture ratio of the innovative chip, and reflective light diffusion has been greatly reduced by improving the wiring below the mirror section. The mirrors are controlled to tilt repeatedly several thousand times per second, enabling smooth, true reproduction of the digital source into finely detailed images with no noise or deterioration.

1300lm, contrast: 750:1 ANSI, 4000:1 (ON/OFF)
A fixed iris is adopted, realizing both enhanced brightness and contrast for images. Even in a relatively bright living room with the curtains closed, movies, sports and other programs from high-definition broadcasting and Blu-ray sources can be fully enjoyed in high-definition images.

Full High-definition-compatible 1.5x Short-throw Zoom Lens
A newly developed short-throw zoom lens has been adopted. The 4-cluster, 13-piece all-glass lens provides excellent focusing performance with 1.5x magnification of high-definition images. Improvements in image depth and the lens aperture make it possible for deep blacks to be expressed.

High-output, Long-life Lamp & Quiet performance
The light source is a 230W high-output lamp capable of a long estimated lifetime of up to 5000 hours when operating in low mode. The low-noise fan is specially designed for cooling efficiency taking factors such as fan and color wheel shape into consideration, yet ensuring impressively low 25dB quietness when operating in low mode.

DDP3021 Full 10-bit Panel Driver
The built-in DDP3021 full 10-bit panel driver realizes approximately four times the gradation of 8-bit models, providing smooth expression of dark gradation subtleties.

Blu-ray 24P direct output compatible
Capable of handling an output of 48P, twice the speed of cinema film (24 frames per second), precise timing ensuring true-life reproduction with original, smooth movement.

Blu-ray 24P compatibility

2-3 Pull-down

At the time of converting 24 frames per second into 25 frames per second, there is a surplus third B frame, which deteriorates image quality.

2-3 Pull-down

2-3 Pull-down

R frame D frame A frame B frame C frame

At the time of converting 24 frames per second into 25 frames per second, there is a surplus third B frame, which deteriorates image quality.

24P (10-frame playback)

24 frames/sec
2-3 Pull-down

2 frames 1 frame 1 frame 1 frame 1 frame 2 frames 1 frame 2 frames

A new color processing algorithm and improvements in system-level color signal picture quality enable the reproduction of the many mid-range colors in video and natural scenery.

Anamorphic Lens Compatibility - Choose Setting Based on Media Played
The anamorphic lens compatibility of the HC4000 widens the projection range of cinema-scope images. Mode 1 proves extended projection, and Mode 2 is for images other than cinema-scope, which mirror the original with the anamorphic lens attached.

Anamorphic Mode 1

Anamorphic Mode 2

Cinema-scope screen

Original image

Anamorphic Mode 1 Cinema-scope screen

Anamorphic Mode 2

Original image

Anamorphic Mode 1

Anamorphic Mode 2

A new color processing algorithm and improvements in system-level color signal picture quality enable the reproduction of the many mid-range colors in video and natural scenery.

Adjustable Overscan
For images such as those from DVD sources, the overscan ratio can be varied between 90 and 100% in 1% intervals when HDMI/components are connected.

One-touch projection
The projector power switch and electric screen (roll down/retract) control are linked, providing a convenient one-touch operation trigger.

Screen Distortion Correction
Correct screen distortion using the shape distortion correction function for digital models. Vertical distortion correction of ±15 steps (1 step approximately 1°) is possible.

Richer, More True-to-life Colors
The HC4000 is equipped with a six-segment color wheel capable of reproducing a standard illumination at the color temperature of D65 (6.5 million). Signals from video sources are reproduced with more true-to-life colors and richer gradation.

Color Management for Preferred Color Adjustment
Adjust images to your color preferences. R (red), G (green), B (blue), C (cyan), M (magenta), and Y (yellow) can each be adjusted individually with the built-in color management function.

Before adjustment

After adjustment

A new color processing algorithm and improvements in system-level color signal picture quality enable the reproduction of the many mid-range colors in video and natural scenery.

BrilliantColor™
A new color processing algorithm and improvements in system-level color signal picture quality enable the reproduction of the many mid-range colors in video and natural scenery.