



**mitsubishi
electric**

MITSUBISHI HOME THEATER PROJECTOR

Changes for the Better

The Finest in Black Levels Inspired
by Mitsubishi Innovation



NEW HC6000(BL)

Every point, every detail, shown with optimal clarity...

Clearly a superior reproduction of black levels,

white levels and all other colors

Mitsubishi HC6000(BL) boasts an innovative black reproduction that is a pure expression of excellence.

Show off breathtakingly vivid images with stunning color saturation and depth.

Heighten the excitement of your visual sense with high contrast pictures brought on by a ratio of 15000:1.

With automatic contrast control of the HC6000(BL), deep blacks harmonize with peak whites easily such that a quick shift from a bright scene to a low-light or even night scene comes with instant dynamic richness in each display.

Mitsubishi HC6000(BL) is a visual stimulation realized with our newly perfected auto iris and lens aperture algorithms.

Bring one home today and enjoy a new dimension of excellence in high definition.

Auto Iris and Lens Aperture Algorithm at Work

Auto Iris and Lens Aperture Algorithm not at Work

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Auto Iris and Lens Aperture Algorithm at Work



NEW HC6000(BL)





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Featuring our newly developed auto-iris algorithm that enables control in increments as swift as 1/60th of a second...

Mitsubishi HC6000(BL) offers a swift auto-iris control algorithm that is often found in higher priced models... It automatically controls the light intensity on the pixel level of each screen displayed in high precision and speed for swift transitions from scene to scene. With this breakthrough, the Mitsubishi HC6000(BL) gives instant tracking capacity that tones down dark scenes to black levels even when the scene sequence is set against a backdrop of continuous bright-dark scene changes, faithfully reproducing every scene detail with vivid clarity. The auto-iris coupled with the original contrast control featured in Mitsubishi HC6000(BL), you are sure to have the richest blacks, the brightest whites, and the vivid richness of all the colors in between.

■ New auto-iris HC6000(BL)



■ Former auto-iris

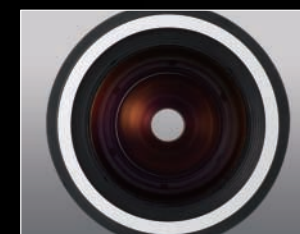


A Statement of Innovation in Visual Expression With Mitsubishi HC6000(BL) Auto-Iris and Lens Aperture Control

Designed with Extra-Low Dispersion Glass Lens, Mitsubishi HC6000(BL) is 1080p High Definition in its Full Glory.

The Mitsubishi HC6000(BL) is built for the demanding optical standards incorporating a lens system designed for the 14-group/17 lens system. By incorporating an extra-low dispersion glass lens, superior performance is achieved over conventional lenses. Chromatic aberration is also eliminated, resulting in resolution improvement across the whole picture, all the way to the peripheral sections of the displayed image. Finally, the addition of a fixed aperture to lens of the Mitsubishi HC6000(BL) further enhances the full depth of black levels on screen.

■ Lens aperture OFF



■ Lens aperture ON



The HC6000(BL) is pushing image quality to the next level

Unparallel HQV next generation performance

● Reon-VX next-generation high-performance processor

This high-performance chip carries on the legacy of the REALTA made popular by Silicon Optics, whose known for visual performance using the name HQV™ (Hollywood Quality Video). It excels behind the scenes as the genuine core of fine visual expression in our HC6000(BL) HD projector.

● High-precision I/P conversion, serving all sources

With 10-bit image processing, I/P (interlace/progressive) conversion in the HC6000(BL) is rendered extremely accurate. Even with video-film mixed sources, specific materials are detected and processed with top speed and precision. This ensures progressive reproduction of higher picture quality. For terrestrial or satellite digital movies broadcasts, 2-3 pull-down zaps out most jaggies, making the image look perfect. High-precision 3D processing and 24P new generation discs are also supported.

● High-performance video scaler

In addition to I/P conversion, the Reon-VX in the Mitsubishi HC6000(BL) packs high-precision image scaling (pixel conversion) capabilities into a single chip. The result is impressive up-conversion of 720 X 480 display to 1920 X 1080 images.

● Reduced chroma up-sampling errors

With the Reon-VX chip, HC6000(BL) properly compensates for color data compressed at the production level of most DVD titles. This results in a more faithful reproduction of high-definition images without color blur or loss, including subtle contours.



High Definition (1920x1080) Equipped with a New Generation Liquid Crystal Panel

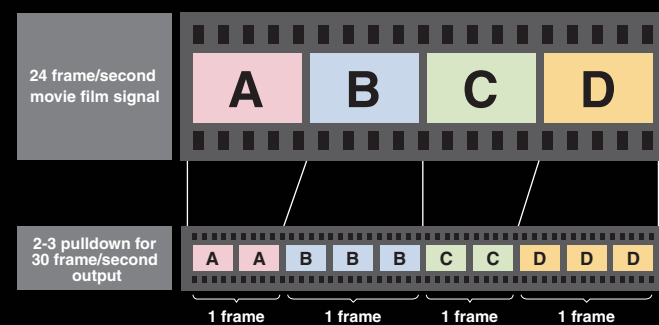
The HC6000(BL) is equipped with a new generation inorganic LCD panel. This new LCD panel generates high definition images that produce rich blacks and vivid colors. Rated to last approximately 10 times longer than conventional organic film panels, this panel translates to years of viewing enjoyment with high definition colors that stay vibrant and come alive every time you play your movies.

Compatible with 24P Blu-ray direct input for reproduction of original images movements

The HC6000(BL) is compatible with direct Blu-ray's 24P next generation optical disk. With output of 48P (liquid crystal panel 96Hz drive) at twice the integer of movie film (24 frames/second), duplication of speed, smoothness, as well as detailed textures mirrors the original.

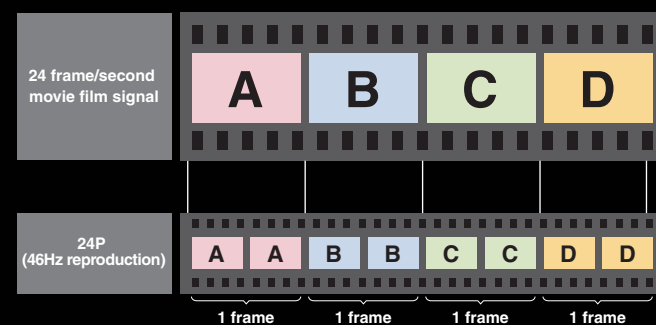
■ 2-3 pulldown

When screening images at 60 frames/second, lining up in 2-frame or 3-frame sequences caused a surplus in the third B-frame, detracting from movement smoothness.



■ 24P direct output

With the integer multiple of 24 frames/second moved up to 48 frames/second, a sequence is created with groups of two frames lined up. The bottom line is a smooth and fluid reproduction of the original image.



Equipped with 14-bit digital gamma correction (liquid crystal panel driver)

Our 14-bit gamma correction processing function expands gradation expression power 16-fold over the conventional 10-bit version. This dramatically raises the capacity to express the subtleties of dark images.

Motorized zoom and focus adjustments with lens shift function greatly enhances ease of set-up

Impressive big-screen images can be enjoyed even in a small room with the 1.6x powered zoom and focus lens. In addition, the motorized lens shift simplifies vertical and horizontal adjustments, providing maximum flexibility wherever you place the HC6000(BL).

Lens shift right-left motor drive



Lens shift up-down motor drive

Focus motor

Zoom motor

Dual HDMI v1.3

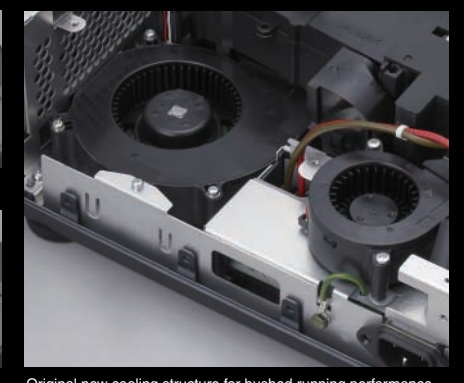
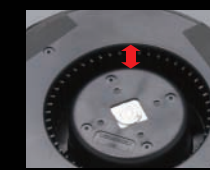
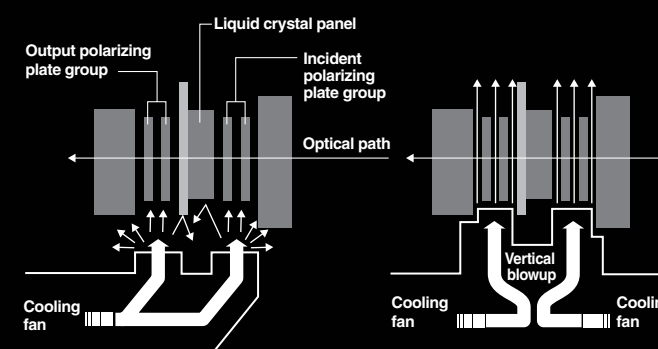
The HC6000(BL) is equipped with dual HDMI v1.3 inputs supporting transmission speeds up to 225MHz for pure high definition enjoyment.



Hushed 19dBA low mode noise level

The HC6000(BL) is designed with a newly structured cooling duct to improve liquid crystal panel cooling efficiency. It is also equipped with a low-noise fan (large-size Sirocco fan) mobilizing a downsized motor that secures an ample air inlet for improved air intake efficiency, all while slashing the overall noise level to only 19dBA.

■ Conventional cooling structure ■ New cooling structure



Ease of User Interface Heightens Your Home Theater Enjoyment

3D Micro Surface Structure Air Filter

Augmented on to the air-intake vent of the Mitsubishi HC6000(BL) where minute particles such as dust can easily penetrate, is a 3-dimensional micro surface structure air filter equipped with static charges meant to prevent micro particles from flowing past the vent into the system. This especially configured charged film is designed with a solid honeycomb structure, maximizing the cooling needs of the HC6000(BL) while providing the optimal dust collection efficiency.



Side-Loading, Long Life Lamp, Up to 5000 Hours

Improved temperature control plus Mitsubishi's unique lighting timing extends the useful life of the HC6000(BL) lamp up to 5000 hours at low mode, thus equating to years of enjoyment.

The side-loading feature allows users to leave the projector in place, and with maximum convenience and flexibility, replace the lamp almost effortlessly.



Illuminated Remote Control Unit

A back light automatically illuminates the buttons on the remote control unit when any button is activated. It allows convenient operations even in darkened rooms or theater environment. The versatile remote control of the HC6000(BL) also allows you to adjust the picture directly for maximum convenience.



Trigger Terminal

The Mitsubishi HC6000(BL) is built for the most sophisticated home theaters or for integration with the simplest home entertainment systems. A trigger connector commonly used to control motorized screen retraction is part of the projector, enabling a quick-start and a faster approach to your total home theater enjoyment.

Options

Color domain expansion filter
CF6000



Replacement lamp
VLT-HC5000LP



Specifications

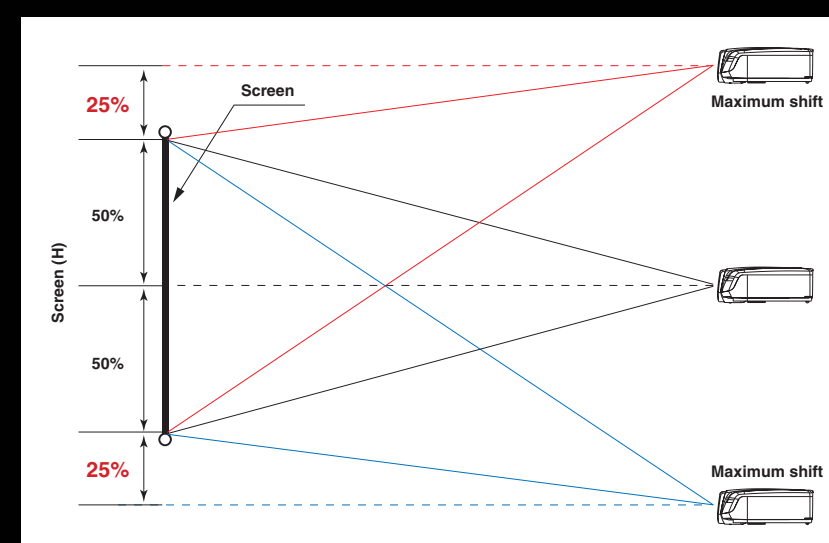
| Mode | | HC6000(BL) | |
|---------------------------------|------------------------------------|---|---|
| Projection system | | Transmissive liquid crystal system | |
| Panel specs | Panel size | 0.74 type x 3 Aspect ratio 16:9 | |
| | Number of pixels | 1920 x 1080 | |
| | Drive system | 3 primary color liquid crystal shutter system | |
| | Array | Stripe pattern | |
| Optical specs | Zoom/focus operation | 1.6-power zoom/motorized | |
| | Lens shift | Motorized up-down 75% / right-left 5% | |
| | f(mm) | 23.5-37.6 | |
| | Light source lamp | 160W | |
| | Optical system | Mirror color separation / prism synthesis system | |
| | Iris | Auto-iris | |
| Projection screen size (inches) | | 50-300 | |
| Images | Brightness (lm) | 1000 | |
| | Contrast ratio | 15000:1 (auto-iris) | |
| | Resolution | PC input VGA* 640 x 480 - UXGA* 1600 x 1200 | |
| | Scan Frequency | Horizontal (kHz) Vertical (kHz) | 15-100 50-120 |
| Input signal system | Video | NTSC, NTSC4.43, PAL (including PAL-M and N), SECAM, PAL-60 Video input: 480i/p, 576i/p, 1080i 60/50, 1080p 60/50/24, 720p 60/50 | |
| | PC | PC/AT compatibles, Mac | |
| Input | Video | Analog RGB Mini D-Sub 15 pin | 1 terminal |
| | | Digital RGB HDMI terminal | 2 terminals |
| | | Composites RCA terminal | 1 terminal |
| | | S S-Video terminal | 1 terminal |
| | | Components RCA terminal | 1 terminal (component can be also input to Mini D-Sub 15 pin) |
| | Serial / RS-232C standard | 1 terminal (D-Sub 9 pin) | |
| Output | Trigger terminal | 1 terminal | |
| Functions | Fan noise | 19dBA (at low mode) | |
| | Power source voltage | AC100V 50/60Hz | |
| | Power consumption (W) | 250 (at waiting 7W) | |
| | Weight (kg / lbs) | 5.6 / 12.3 | |
| | Width x depth x height (inch / mm) | 13.2 x 13.9 x 4.9 / 334 x 352 x 125 (excluding height adjustment) | |
| Other | Supplied Accessories | Power source cord (2.9m), power source plug adaptor, remote control, AA batteries (x 2), RGB signal cable RS-232C cable, lens cap (attached to projector), lamp replacement tray, air intake filter | |

*VGA is a registered trademark of IBM Corporation of the United States

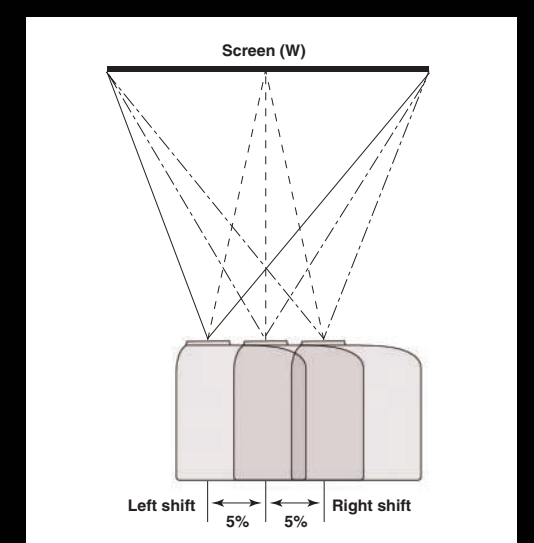
Projection distance

| Screen size (16:9) | | | | Projection distance | | | | Up-down lens shift | | | | Screen size (4:3) | | | | Projection image size (16:9) | | | | Projection distance | | | | Up-down lens shift | | | | Right-left lens shift | | | |
|--------------------|-----------|------------|----------|---------------------|------|---------------|-------------|--------------------|----------|-----------|------------|-----------------------------|-----------|------------|------------|------------------------------|----------|---------------|-------------|---------------------|-------|----------|-----------|--------------------|----------|----------|------|-----------------------|------|---------------|-------------|
| Diagonal | W (width) | H (height) | Max Zoom | Min Zoom | Down | Up | Left | Right | Diagonal | W (width) | H (height) | Diagonal (type designation) | W (width) | H (height) | Black zone | Max Zoom | Min Zoom | Down | Up | Left | Right | Diagonal | W (width) | H (height) | Max Zoom | Min Zoom | Down | Up | Left | Right | |
| 50 | 127 | 44 | 25 | 60 | 98 | 18 ← 0 → 18 | 2 ← 0 → 2 | 50 | 127 | 40 | 30 | 46 | 40 | 23 | 4 | 55 | 89 | 17 ← 0 → 17 | 2 ← 0 → 2 | 60 | 152 | 48 | 36 | 55 | 48 | 27 | 5 | 66 | 108 | 20 ← 0 → 20 | 2 ← 0 → 2 |
| 60 | 152 | 52 | 29 | 73 | 118 | 22 ← 0 → 22 | 3 ← 0 → 3 | 60 | 152 | 48 | 36 | 55 | 48 | 27 | 5 | 66 | 108 | 20 ← 0 → 20 | 2 ← 0 → 2 | 70 | 178 | 61 | 34 | 64 | 56 | 32 | 5 | 78 | 126 | 24 ← 0 → 24 | 3 ← 0 → 3 |
| 80 | 203 | 70 | 39 | 98 | 157 | 29 ← 0 → 29 | 3 ← 0 → 3 | 80 | 203 | 64 | 48 | 73 | 64 | 36 | 6 | 89 | 144 | 27 ← 0 → 27 | 3 ← 0 → 3 | 90 | 229 | 78 | 44 | 83 | 72 | 41 | 7 | 101 | 163 | 30 ← 0 → 30 | 4 ← 0 → 4 |
| 90 | 229 | 78 | 44 | 110 | 177 | 33 ← 0 → 33 | 4 ← 0 → 4 | 90 | 229 | 72 | 54 | 83 | 72 | 41 | 7 | 101 | 163 | 30 ← 0 → 30 | 4 ← 0 → 4 | 100 | 254 | 87 | 49 | 90 | 80 | 45 | 8 | 112 | 181 | 34 ← 0 → 34 | 4 ← 0 → 4 |
| 100 | 254 | 87 | 49 | 123 | 197 | 37 ← 0 → 37 | 4 ← 0 → 4 | 100 | 254 | 80 | 60 | 92 | 80 | 45 | 8 | 112 | 181 | 34 ← 0 → 34 | 4 ← 0 → 4 | 110 | 279 | 96 | 54 | 101 | 88 | 50 | 8 | 124 | 199 | 37 ← 0 → 37 | 4 ← 0 → 4 |
| 110 | 279 | 96 | 54 | 135 | 217 | 40 ← 0 → 40 | 5 ← 0 → 5 | 110 | 279 | 88 | 66 | 101 | 88 | 50 | 8 | 124 | 199 | 37 ← 0 → 37 | 4 ← 0 → 4 | 120 | 305 | 105 | 59 | 110 | 96 | 54 | 9 | 135 | 218 | 41 ← 0 → 41 | 5 ← 0 → 5 |
| 120 | 305 | 105 | 59 | 148 | 237 | 44 ← 0 → 44 | 5 ← 0 → 5 | 120 | 305 | 96 | 72 | 110 | 96 | 54 | 9 | 135 | 218 | 41 ← 0 → 41 | 5 ← 0 → 5 | 130 | 330 | 113 | 64 | 119 | 104 | 59 | 10 | 147 | 236 | 44 ← 0 → 44 | 5 ← 0 → 5 |
| 130 | 330 | 113 | 64 | 160 | 257 | 48 ← 0 → 48 | 6 ← 0 → 6 | 130 | 330 | 104 | 78 | 119 | 104 | 59 | 10 | 147 | 236 | 44 ← 0 → 44 | 5 ← 0 → 5 | 140 | 356 | 122 | 69 | 129 | 112 | 63 | 11 | 158 | 254 | 47 ← 0 → 47 | 6 ← 0 → 6 |
| 140 | 356 | 122 | 69 | 173 | 277 | 51 ← 0 → 51 | 6 ← 0 → 6 | 140 | 356 | 112 | 84 | 129 | 112 | 63 | 11 | 158 | 254 | 47 ← 0 → 47 | 6 ← 0 → 6 | 150 | 381 | 131 | 74 | 138 | 120 | 68 | 11 | 170 | 273 | 51 ← 0 → 51 | 6 ← 0 → 6 |
| 150 | 381 | 131 | 74 | 185 | 297 | 55 ← 0 → 55 | 7 ← 0 → 7 | 150 | 381 | 120 | 90 | 138 | 120 | 68 | 11 | 170 | 273 | 51 ← 0 → 51 | 6 ← 0 → 6 | 200 | 508 | 174 | 98 | 184 | 160 | 90 | 15 | 227 | 365 | 68 ← 0 → 68 | 8 ← 0 → 8 |
| 200 | 508 | 174 | 98 | 248 | 397 | 74 ← 0 → 74 | 9 ← 0 → 9 | 200 | 508 | 160 | 120 | 184 | 160 | 90 | 15 | 227 | 365 | 68 ← 0 → 68 | 8 ← 0 → 8 | 250 | 635 | 218 | 123 | 229 | 200 | 113 | 19 | 285 | 456 | 84 ← 0 → 84 | 10 ← 0 → 10 |
| 250 | 635 | 218 | 123 | 311 | 497 | 92 ← 0 → 92 | 11 ← 0 → 11 | 250 | 635 | 200 | 150 | 229 | 200 | 113 | 19 | 285 | 456 | 84 ← 0 → 84 | 10 ← 0 → 10 | 300 | 762 | 261 | 147 | 275 | 240 | 135 | 23 | 342 | 548 | 101 ← 0 → 101 | 12 ← 0 → 12 |
| 300 | 762 | 261 | 147 | 373 | 597 | 110 ← 0 → 110 | 13 ← 0 → 13 | 300 | 762 | 240 | 180 | 275 | 240 | 135 | 23 | 342 | 548 | 101 ← 0 → 101 | 12 ← 0 → 12 | | | | | | | | | | | | |

Vertical direction



Horizontal direction



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To find out more about HC6000(BL) and our projectors, visit us at

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