



**MITSUBISHI
ELECTRIC**
Display Solutions

Changes for the Better

Deep blacks... Brilliant whites...
Both at levels never believed possible



NEW **HC6800**
Home Cinema



Light and dark images have never been more distinctive Contrast so impressive it takes your breath away

Finally the high-definition projector you have been waiting for! The HC6800, is a versatile projector capable of producing beautiful imagery with well-defined blacks and vividly bright whites. The secret is inside Mitsubishi Electric's advanced imaging software technology - where stark blacks reside alongside brilliant whites. Ideal for enjoying movies in vivid colour, the HC6800 offers a cinema-like experience in the comfort of your own home. Images so intense, they will take your breath away.



FULL HD 1080



HC6800



Majestic Large-screen Reproduction Regardless of the Image Source

Crystal Clear Images

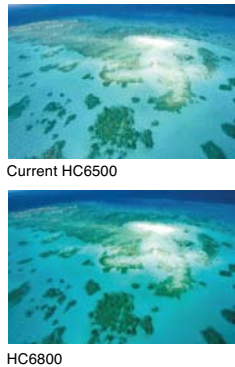
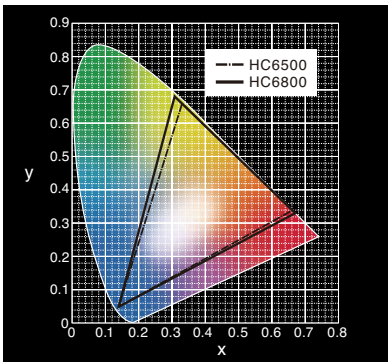
A high 1300lms for vibrant images even in well light rooms

The aperture ratio of the HC6800 is increased 20% compared to conventional LCD panels, improving the light transmittance ratio. This works to make the reproduction of even clearer, more vivid images possible by concealing the grid between pixels. Even in relatively bright living rooms with the curtains open, high-definition images are produced from terrestrial digital broadcasts, Blu-ray media and other sources.

Accurate and Vibrant Colour Reproductions

Wide-range cinema colour filter for precise colour reproduction

Even when using Cinema mode (D65), a bright 910 lumens is maintained. Equipped with an expanded colour range, the HC6800 adjusts the colour balance spanning green and cyan spectrums, so images are reproduced with greater depth and brightness. Improvements have also been made to DVD playback.



DVD Playback

Reon-VX IC – A product of IDT, Inc. (Silicon Optix)

Reon-VX IC is the perfect device for converting quality high-definition and DVD into 1,920 x 1,080 pixel images. Additionally a 10-bit calculation at the core of the high-precision I/P conversion function signals from every type of package software, from terrestrial and satellite digital broadcasts to video-recorded sources, are progressively played back with high picture quality.



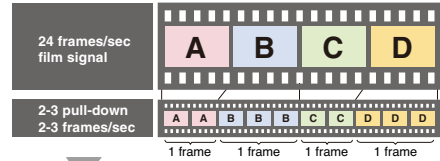
Enjoy a Home Cinema experience

Supports a native 24P signal

The HC6800 can handle an output of 48P, twice the speed of cinema film. (24 frames per second). Precise timing ensures true-to-life reproduction with original smooth movements.

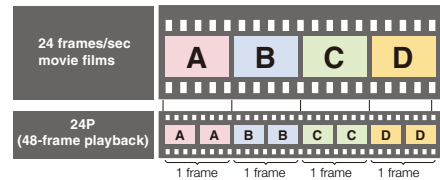
2-3 Pull-down

When converting 24 frames per second into 60 frames per second, lining up the second and third frames in sequence creates a surplus third B frame, which deteriorates movement smoothness.



24P direct output

With 24P direct output, the 24 frames per second is converted to a full 48 frames per second. This allows sequential matching of two frames at a time, thereby enabling image reproduction with the original smoothness.

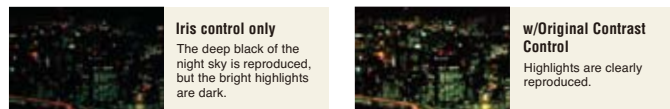


Advanced Technology and Features for More Beautiful Images

Sharp, Dynamic Images

Diamond black Iris

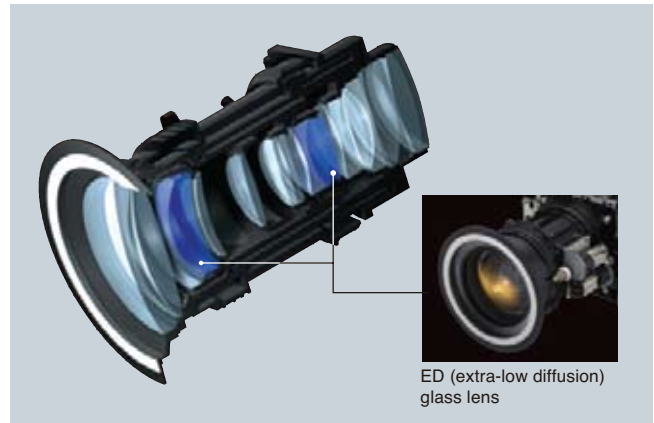
Our iris automatically controls the projected light quantity and analyzes brightness signals in units of 1/60 per second. When scenes change repeatedly between light and dark, blacks can be toned down using instantaneous tracking. Moreover, the HC6800 is equipped with our "Original Contrast Control" technology, allowing the peak expression of white while simultaneously maintaining black gradation performance.



Enjoy Full High-definition

High-performance extra-low dispersion (ED) lens

The 17-piece, 14-cluster ED lens boasts higher performance than the standard regular glass lens. Resolution is increased another level to better define image peripheries.



Designed for flexibility, picture quality and comfort; your imagination is your only limit.

Quiet sound design allows movies to be enjoyed in original sound quality.

The cooling duct design has been changed and a large fan with small-sized motor installed, for extremely quiet 20dBA operation performance. With the noise of the cooling fan silenced, the true sounds of movies can be enjoyed to the full.

"Deep Colour" compatible – Increase image depth

Equipped with HDMI Ver1.3 and two input ports - 8, 10 and 12bit transmission are possible, resulting in deep colour, rich gradation and high contrast images.



Greater flexibility for room installation

Equipped with an 1.6x ultra short-throw lens, a 100-inch screen (16:9) is possible from as a little as 3.1~5m away. Additionally, the motorised lens shift adjusts the image both horizontally and vertically, providing greater freedom for projector set-up.

Appreciate the grandeur with wide cinema scope size

A fast-growing trend in the world of home theatres is viewing in cinema scope. When equipped with the anamorphic lens (sold separately), this convenient function enables easy switching between "Normal" and "Cinema Scope" viewing modes.

Specifications

| | | | | |
|---------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------|
| Model | | HC6800 | | |
| Projection system | | Transmissive liquid crystal system | | |
| Panel specs | Panel size | 0.74type x3 Aspect ratio 16:9 D7 | | |
| | Number of pixels | 1920x1080 | | |
| | Drive system | 3 primary color liquid crystal shutter system | | |
| Optical specs | Array | Stripe pattern | | |
| | Zoom / focus operation | 1.6-power zoom / motorized | | |
| | Throw ratio | Motorized up-down 75% / right-left 5% | | |
| | f (mm) | 23.5-37.6 | | |
| | Light source lamp | 170W | | |
| Projection screen size (inches) | Optical system | Mirror color separation / prism synthesis system | | |
| | Iris | Auto-iris | | |
| Images | Brightness (lm) | 1500 (Max), 1300 (typ) | | |
| | Contrast ratio | 30000:1 (auto-iris) typ. | | |
| | Resolution | VGA 640x480 - UXGA 1600x1200 | | |
| | Scan frequency | Horizontal (kHz) | 15-100 | |
| Input signal system | Vertical (Hz) | 50-120 | | |
| | 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 | | |
| Input | PC | PC/AT compatibles, Mac | | |
| | Video | PC input | Mini D-Sub 15 pin | 1 terminal |
| | | HDMI input | 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 | Digital keystone | Vertical ±15steps | | |
| | Fan noise | 20dBA (at low mode) | | |
| | Power source voltage | AC100-240V 50/60Hz | | |
| | Power consumption (W) | 250 | | |
| | Weight (kg / lbs) | 7.5 / 16.5 | | |
| | Main unit dimensions | WxDxH | 427x440x159mm / 16.8"x17.3"x6.3" (excluding height adjustment) | |
| Other | Supplied accessories | Power source cord (2.9m), Remote control, AA batteries (x2), RGB signal cable, RS-232C cable, Lens cap, Lamp replacement tray | | |

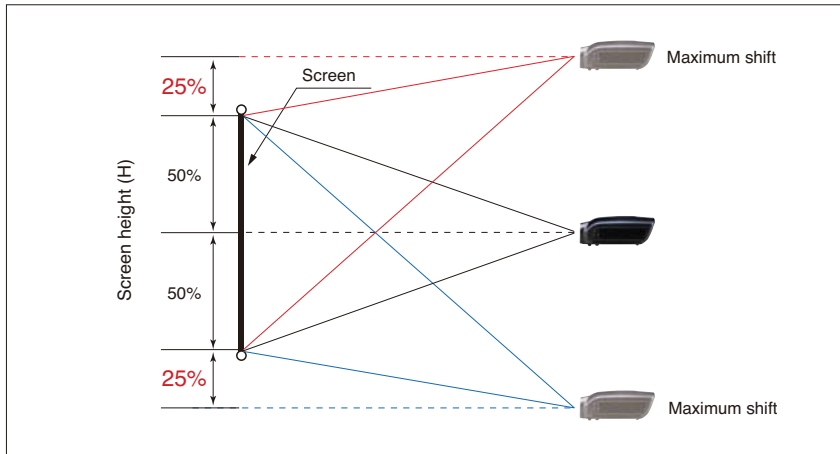
*All brand and product names are trademarks or registered trademarks of their respective companies.

Projection distance

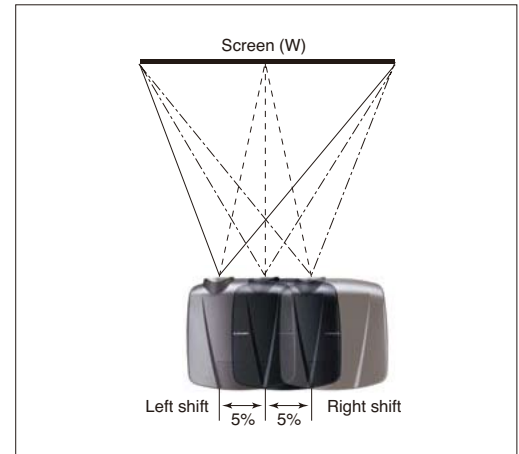
| Screen size (16:9) | | | | Projection distance | | Up-down lens shift | | Right-Left lens shift | |
|--------------------|-----------|------------|-----|---------------------|----------|--------------------|-------------|-----------------------|-------|
| Diagonal | W (width) | H (height) | | Max Zoom | Min Zoom | Down | Up | Left | Right |
| inch | cm | cm | cm | m | m | cm | cm | cm | cm |
| 50 | 127 | 111 | 62 | 1.5 | 2.5 | 47 ← 0 → 47 | 6 ← 0 → 6 | | |
| 60 | 152 | 133 | 75 | 1.8 | 3.0 | 56 ← 0 → 56 | 7 ← 0 → 7 | | |
| 70 | 178 | 155 | 87 | 2.2 | 3.5 | 65 ← 0 → 65 | 8 ← 0 → 8 | | |
| 80 | 203 | 177 | 100 | 2.5 | 4.0 | 75 ← 0 → 75 | 9 ← 0 → 9 | | |
| 90 | 229 | 199 | 112 | 2.8 | 4.5 | 84 ← 0 → 84 | 10 ← 0 → 10 | | |
| 100 | 254 | 221 | 125 | 3.1 | 5.0 | 93 ← 0 → 93 | 11 ← 0 → 11 | | |
| 110 | 279 | 244 | 137 | 3.4 | 5.5 | 103 ← 0 → 103 | 12 ← 0 → 12 | | |
| 120 | 305 | 266 | 149 | 3.8 | 6.0 | 112 ← 0 → 112 | 13 ← 0 → 13 | | |
| 130 | 330 | 288 | 162 | 4.1 | 6.5 | 121 ← 0 → 121 | 14 ← 0 → 14 | | |
| 140 | 356 | 310 | 174 | 4.4 | 7.0 | 131 ← 0 → 131 | 15 ← 0 → 15 | | |
| 150 | 381 | 332 | 187 | 4.7 | 7.6 | 140 ← 0 → 140 | 17 ← 0 → 17 | | |
| 200 | 508 | 443 | 249 | 6.3 | 10.1 | 187 ← 0 → 187 | 22 ← 0 → 22 | | |
| 250 | 635 | 553 | 311 | 7.9 | 12.6 | 233 ← 0 → 233 | 28 ← 0 → 28 | | |
| 300 | 762 | 664 | 374 | 9.5 | 15.2 | 280 ← 0 → 280 | 33 ← 0 → 33 | | |

| Screen size (4:3) | | | | Projection image size (16:9) | | | Projection distance | | Up-down lens shift | | Right-Left lens shift | | |
|-------------------|-----------|------------|-----|------------------------------|-----------|------------|---------------------|----------|--------------------|---------------|-----------------------|------|-------|
| Diagonal | W (width) | H (height) | | Diagonal | W (width) | H (height) | Black zone | Max Zoom | Min Zoom | Down | Up | Left | Right |
| inch | cm | cm | cm | cm | cm | cm | cm | m | m | cm | cm | cm | cm |
| 50 | 127 | 102 | 76 | 117 | 102 | 57 | 10 | 1.4 | 2.3 | 43 ← 0 → 43 | 5 ← 0 → 5 | | |
| 60 | 152 | 122 | 91 | 140 | 122 | 69 | 11 | 1.7 | 2.7 | 51 ← 0 → 51 | 6 ← 0 → 6 | | |
| 70 | 178 | 142 | 107 | 163 | 142 | 80 | 13 | 2.0 | 3.2 | 60 ← 0 → 60 | 7 ← 0 → 7 | | |
| 80 | 203 | 163 | 122 | 187 | 163 | 91 | 15 | 2.3 | 3.7 | 69 ← 0 → 69 | 8 ← 0 → 8 | | |
| 90 | 229 | 183 | 137 | 210 | 183 | 103 | 17 | 2.6 | 4.1 | 77 ← 0 → 77 | 9 ← 0 → 9 | | |
| 100 | 254 | 203 | 152 | 233 | 203 | 114 | 19 | 2.9 | 4.6 | 86 ← 0 → 86 | 10 ← 0 → 10 | | |
| 110 | 279 | 224 | 168 | 256 | 224 | 126 | 21 | 3.1 | 5.1 | 94 ← 0 → 94 | 11 ← 0 → 11 | | |
| 120 | 305 | 244 | 183 | 280 | 244 | 137 | 23 | 3.4 | 5.5 | 103 ← 0 → 103 | 12 ← 0 → 12 | | |
| 130 | 330 | 264 | 198 | 303 | 264 | 149 | 25 | 3.7 | 6.0 | 111 ← 0 → 111 | 13 ← 0 → 13 | | |
| 140 | 356 | 284 | 213 | 326 | 284 | 160 | 27 | 4.0 | 6.5 | 120 ← 0 → 120 | 14 ← 0 → 14 | | |
| 150 | 381 | 305 | 229 | 350 | 305 | 171 | 29 | 4.3 | 6.9 | 129 ← 0 → 129 | 15 ← 0 → 15 | | |
| 200 | 508 | 406 | 305 | 466 | 406 | 229 | 38 | 5.8 | 9.3 | 171 ← 0 → 171 | 20 ← 0 → 20 | | |
| 250 | 635 | 508 | 381 | 583 | 508 | 286 | 48 | 7.2 | 11.6 | 214 ← 0 → 214 | 25 ← 0 → 25 | | |
| 300 | 762 | 610 | 457 | 699 | 610 | 343 | 57 | 8.7 | 13.9 | 257 ← 0 → 257 | 30 ← 0 → 30 | | |

Vertical direction



Horizontal direction



 **MITSUBISHI ELECTRIC EUROPE**

New publication, effective October 2009 Specifications subject to change without notice.