

# MITSUBISHI ELECTRIC

## MITSUBISHI HOME THEATER PROJECTOR

### Specifications

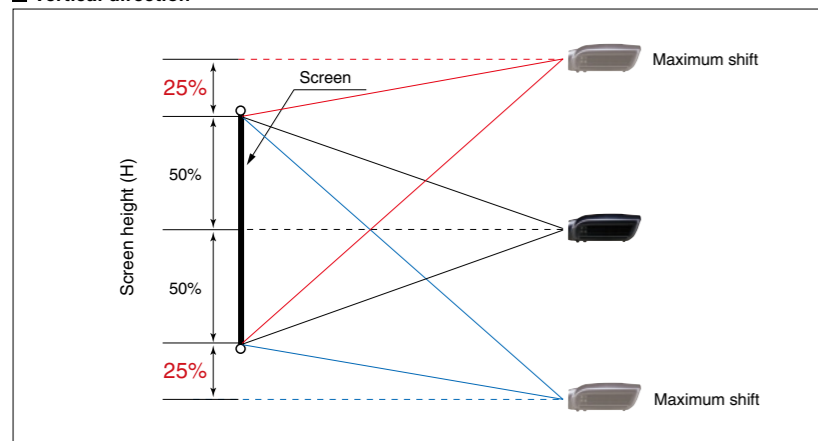
Model		HC6800	
Projection system		Transmissive liquid crystal system	
Panel specs	Panel size	0.74type x3 Aspect ratio 16:9 D7	
	Number of pixels	1920x1080	
	Drive system	3 primary color liquid crystal shutter system	
	Array	Stripe pattern	
Optical specs	Zoom / focus operation	1.6-power zoom / motorized	
	Throw ratio	Motorized up-down 75% / right-left 5%	
	f (mm)	23.5-37.6	
	Light source lamp	170W	
	Optical system	Mirror color separation / prism synthesis system	
Iris		Auto-iris	
Projection screen size (inches)		50-300	
Images	Brightness (lm)	1500 (Max), 1300 (typ)	
	Contrast ratio	30000:1 (auto-iris) typ.	
	Resolution	PC input	VGA 640x480 - UXGA 1600x1200
	Scan frequency	Horizontal (kHz)	15-100
Vertical (Hz)		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	PC input	Mini D-Sub 15 pin
		HDMI input	HDMI terminal
		Composites	RCA terminal
		S	S-Video terminal
		Components	RCA terminal
		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	AC100V 50/60Hz	
	Power consumption (W)	250 (at waiting 7W)	
	Weight (kg / lbs)	7.5 / 16.5	
	Main unit dimensions	WxDxH	
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.

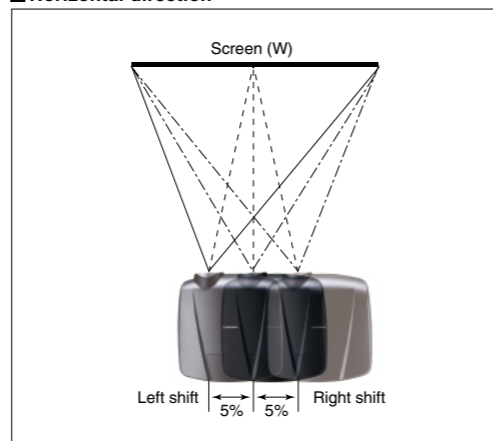
### Projection distance

Screen size (16:9)										Screen size (4:3)																	
Diagonal		W (width)	H (height)	Projection distance		Up-down lens shift		Right-Left lens shift		Diagonal		W (width)	H (height)	Black zone	Projection distance		Up-down lens shift		Right-Left lens shift								
inch	cm	cm	cm	Max Zoom	Min Zoom	Down	Up	Left	Right	inch	cm	cm	cm	cm	Max Zoom	Min Zoom	Down	Up	Left	Right							
50	127	111	62	1.5	2.5	47	0	47	6	0	6	50	127	102	76	117	102	57	10	1.4	2.3	43	0	43	5	0	5
60	152	133	75	1.8	3.0	56	0	56	7	0	7	60	152	122	91	140	122	69	11	1.7	2.7	51	0	51	6	0	6
70	178	155	87	2.2	3.5	65	0	65	8	0	8	70	178	142	107	163	142	80	13	2.0	3.2	60	0	60	7	0	7
80	203	177	100	2.5	4.0	75	0	75	9	0	9	80	203	163	122	187	163	91	15	2.3	3.7	69	0	69	8	0	8
90	229	199	112	2.8	4.5	84	0	84	10	0	10	90	229	183	137	210	183	103	17	2.6	4.1	77	0	77	9	0	9
100	254	221	125	3.1	5.0	93	0	93	11	0	11	100	254	203	152	233	203	114	19	2.9	4.6	86	0	86	10	0	10
110	279	244	137	3.4	5.5	103	0	103	12	0	12	110	279	224	168	256	224	126	21	3.1	5.1	94	0	94	11	0	11
120	305	266	149	3.8	6.0	112	0	112	13	0	13	120	305	244	183	280	244	137	23	3.4	5.5	103	0	103	12	0	12
130	330	288	162	4.1	6.5	121	0	121	14	0	14	130	330	264	198	303	264	149	25	3.7	6.0	111	0	111	13	0	13
140	356	310	174	4.4	7.0	131	0	131	15	0	15	140	356	284	213	326	284	160	27	4.0	6.5	120	0	120	14	0	14
150	381	332	187	4.7	7.6	140	0	140	17	0	17	150	381	305	229	350	305	171	29	4.3	6.9	129	0	129	15	0	15
200	508	443	249	6.3	10.1	187	0	187	22	0	22	200	508	406	305	466	406	229	38	5.8	9.3	171	0	171	20	0	20
250	635	553	311	7.9	12.6	233	0	233	28	0	28	250	635	508	381	583	508	286	48	7.2	11.6	214	0	214	25	0	25
300	762	664	374	9.5	15.2	280	0	280	33	0	33	300	762	610	457	699	610	343	57	8.7	13.9	257	0	257	30	0	30

### Vertical direction



### Horizontal direction



**NEW HC6800**

**MITSUBISHI ELECTRIC CORPORATION**  
 HEAD OFFICE : TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

To find out more about HC6800 and our projectors, visit us at  
[Global.MitsubishiElectric.com/projectors/](http://Global.MitsubishiElectric.com/projectors/)

# Lights and darks has never more distinctive. Contrasts so impressive they take your breath away!

Finally, the full high-definition projector you've been waiting for.

Beautiful imagery reproduced with well-defined blacks and lustrously bright whites that make the full color spectrum stand out.

The secret is inside Mitsubishi Electric's advanced imaging software technologies, where the paradox of enabling opposites to be achieved simultaneously has been resolved.

Ideal for enjoying movies in vivid color, it's cinema theater-like reproduction in the comfort of your own home.

Excitement so powerful, it'll take your breath away.



京都 FULL HD 1080 3LCD NEW HC6800

## Majestic Large-screen Reproduction Regardless of the Image Source

Strikingly clear images increase the excitement.

### A high 1300lm for clear reproduction even in brightly lit 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.

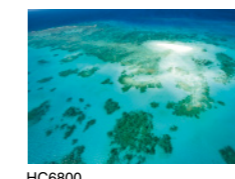
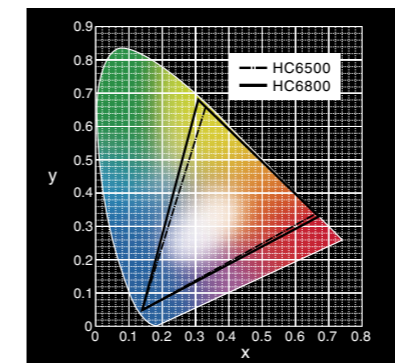
Even in the relative brightness of a living room with the curtains closed, high-definition images played back from terrestrial digital broadcasts, Blu-ray media or other sources can be enjoyed to the fullest.

High-quality reproduction of colors true to the image source.

### Wide-range cinema color filter for precise reproduction of colors

Even when using Cinema mode (D65), a bright 910lm is maintained.

An expansive color reproduction range that enables the adjustment of color balance spanning the green and cyan spectrums enables image colors to be reproduced with greater depth and brightness. Even improvements in DVD contents will be noticed.



Even when playing DVDs with high picture quality

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

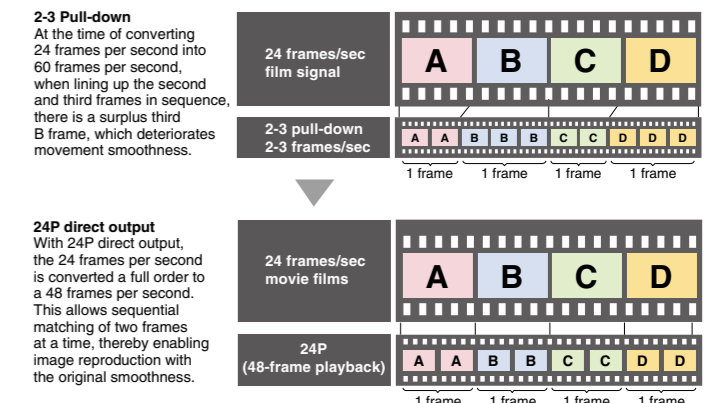
The ideal device for converting quality high-definition and DVD into 1,920 x 1,080 pixel images. Additionally, owing to a 10-bit calculation at the core of the high-precision I/P conversion function, signals from every type of package software, from terrestrial and satellite digital broadcasts to video-recorded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



Enjoy the true expression of movie images

### 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 ensure true-to-life reproduction with original, smooth movement.

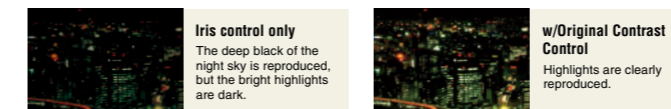


## Diverse Adjustment Functions for Images More Beautiful Than Ever Before

Sharp, dynamic images

### Diamond Black Iris - Mitsubishi Electric original

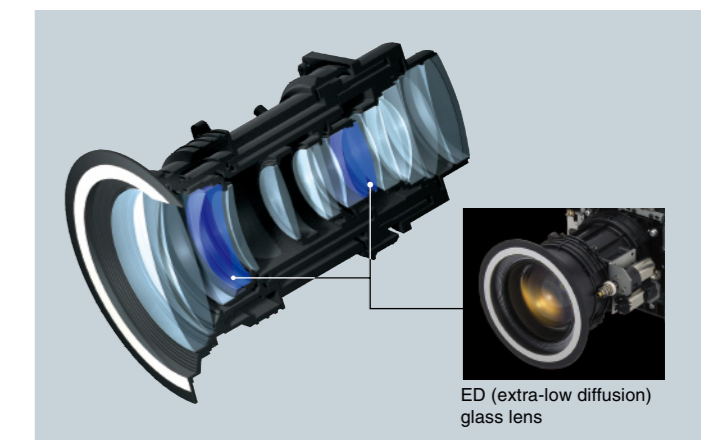
This artificial iris automatically controls the projected light quantity and analyzes brightness signals in units of 1/60 per second. When scenes change repeatedly between light and dark, blacks can be toned down using instantaneous tracking. Moreover, the HC6800 is equipped with our "Original Contrast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



For the enjoyment of 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.



## Performance for "comfort appreciation". Your imagination is the 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, realizing extremely quiet 20dBA operation performance. With the noise of the cooling fan silenced, the true sounds of movies can be further enjoyed.

### "Deep Color" compatible - Increase image depth

Equipped with HDMI Ver1.3 and two input ports. In addition to 8bit, 10 and 12bit transmission are also possible. Compatible with Deep Color, rich gradation and high contrast have been realized.



### High selection flexibility for room installation

Equipped with an 1.6x ultrashort-throw lens, when used with a 100-inch screen (16:9), projection from as close as 3.1-5m is possible, making a room floor space of approximately 10m<sup>2</sup> more than sufficient. Additionally, the electric shift lens can adjust 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 theaters 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.