

MITSUBISHI HOME THEATRE 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 colour liquid crystal shutter system	
	Array	Stripe pattern	
Optical specs	Zoom / focus operation	1.6-power zoom / motorised	
	Throw ratio	Motorised up-down 75% / right-left 5%	
	f (mm)	23.5-37.6	
	Light source lamp	170W	
	Optical system	Mirror colour separation / prism synthesis system	
Iris		Auto-iris	
Projection screen size (inches)		50-300	
Images	Brightness (lm)	1500 (Maximum)	
	Contrast ratio	30000:1 (auto-iris) typ.	
	Resolution	VGA 640x480 - UXGA 1600x1200	
	Scan frequency	PC input	15-100
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	PC input	Mini D-Sub 15 pin	1 terminal
		HDMI input	2 terminals
	Video	Composites	1 terminal
		S-Video	1 terminal
	S	S-Video terminal	1 terminal (component can be also input to Mini D-Sub 15 pin)
		Components	RCA terminal
Output	Trigger terminal	1 terminal	
Functions	Digital keystone	Vertical ±15steps	
	Fan noise	20dB(A) (at low mode)	
	Power source voltage	AC100V 50/60Hz	
	Power consumption (W)	250 (at waiting 7W)	
	Weight (kg / lbs)	7.5 / 16.5	
Other	Main unit dimensions	WxDxH 427x440x159mm / 16.8"x17.3"x6.3" (excluding height adjustment)	
	Supplied accessories	Power source cord (2.9m), Remote control, AA batteries (x2), RGB signal cable, RS-232C cable, Lens cap, Lamp replacement tray	

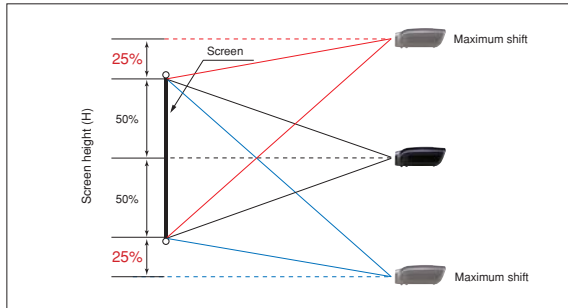
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■ Projection distance

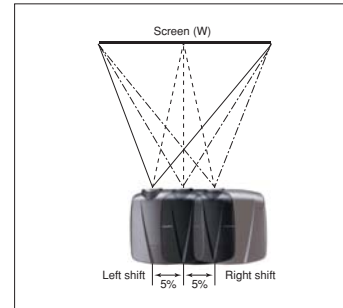
Screen size (16:9)				Projection distance				Up-down lens shift		Right-Left lens shift		
Diagonal	W (width)	H (height)	Max Zoom	Min Zoom	Down	Up	Left	Right	Down	Up	Left	Right
inch	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm
50	127	111	62	1.5	2.5	47	-0	47	6	-0	6	6
60	152	133	75	1.8	3.0	56	-0	56	7	-0	7	7
70	178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

■ Vertical direction



■ Horizontal direction



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To find out more about HC6800 and our projectors, visit us at

www.MitsubishiElectric.com.au



HC6800



Light and dark has never been more distinctive. Contrasts so impressive they'll 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 colour spectrum stand out.

Enjoy glorious moving images with cinema-like reproduction in the comfort of your own home.

Excitement so powerful it'll take your breath away.



HC6800



Majestic Large-screen Reproduction Regardless of the Image Source

Strikingly clear images increase the excitement.

A high 1500lm brightness for clear image reproduction

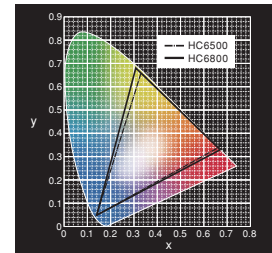
The aperture ratio of the HC6800 is increased 20% compared to conventional LCD panels, improving the light transmittance ratio. This works to make the reproduction of even clearer, more vivid images possible by concealing the grid between pixels.

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 colours true to the image source.

Wide-range cinema colour filter for precise reproduction of colours

Even when using Cinema mode (D65), a bright 910lm is maintained. An expansive colour reproduction range that enables the adjustment of colour balance spanning the green and cyan spectrums enables image colours to be reproduced with greater depth and brightness. Even improvements in DVD content will be noticed.



Advanced image processing for greater picture quality

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

The ideal device for upscaling quality high-definition and DVD images to full HD 1,920 x 1,080 pixel resolution. Thanks to a 10-bit calculation at the core of the high-precision I/P conversion function, signals from every type of source, from terrestrial and satellite digital broadcasts to video-recorded images are progressively played back with higher picture quality.



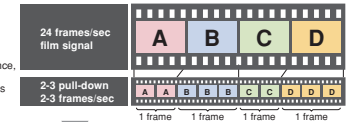
Enjoy the true expression of movie images

Blu-ray 24P direct output compatible

Capable of handling an output of 48P - twice the speed of cinema film (24 frames per second). This precise timing ensures true-to-life reproduction with original, smooth movement.

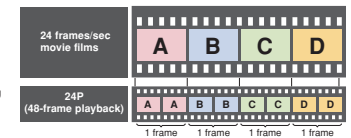
2-3 Pull-down

At the time of converting 24 frames per second into 60 frames per second, when lining up the second and third frames in sequence, there is a surplus third B frame, which deteriorates movement smoothness.



24P direct output

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



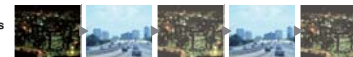
Diverse Adjustment Functions for Images More Beautiful Than Ever

Sharp, dynamic images

Diamond Black Iris - Unique to Mitsubishi Electric

This artificial iris automatically controls the projected light quantity and analyses 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.

Previous Auto-iris (HC5000)



New Auto-iris (HC6800)



Iris control only
The deep black of the night sky is reproduced, but the bright highlights are dark.



w/Original Contrast Control
Highlights are clearly reproduced.

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. Images retain their sharpness right to the edges of the screen.



Performance Enhancing Features take the Cinema Experience to Even Higher Levels

Quiet sound design allows movies to be enjoyed to the fullest

The cooling duct design has been changed and a large fan with small-sized motor installed for an extremely quiet 20dBA operation. With the noise of the cooling fan silenced, the movies audio track can be fully enjoyed.

"Deep Colour" compatible for increased image depth

The HC6800 is equipped with two HDMI Ver1.3 input ports. In addition, 8bit, 10 and 12bit transmission are also possible. Compatible with Deep Colour, rich gradation and high contrast images have been realised.



High flexibility for room installation

Equipped with an 1.6x ultrashort-throw lens, projection from as close as 3.1~5m is possible when used with a 100-inch screen (16:9), making a room floor space of approximately 10m² more than sufficient. Additionally, the motorised shift lens can adjust the image both horizontally and vertically, providing greater freedom for projector set-up.

Appreciate the grandeur of wide cinema scope

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