Specifications

Model				HC6500
Projection system				Transmissive liquid crystal system
Panel specs	Panel size			0.74type x3 Aspect ratio 16:9
	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
	Lens shift			Motorised up-down 75% / right-left 5%
	Throw ratio			1.40-2.26
	Projection lens			f=23.5-37.6mm / 0.9"-1.5" F1.8-2.3
	Light source lamp**			160W (Shut Off Time 2000Hrs) with Low Mode (128W:Shut Off Time 5000Hrs)
	Optical system			Mirror colour separation / prism synthesis system
	Iris			Auto-iris
Projection screen size (inches)				50-300
Images	Brightness (maximum)			1200 lumens
	Contrast ratio			15000:1 (auto-iris) typ.
	Resolution		PC input	VGA* 640x480 - UXGA* 1600x1200
	Scan frequency		Horizontal (kHz)	15-100
			Vertical (Hz)	24, 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		PC input	Mini D-Sub 15 pin	1 terminal
	Video	HDMI input	HDMI terminal	2 terminals
		Composite	RCA terminal	1 terminal
		S	S-Video terminal	1 terminal
		Component	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			17dBA (at low mode)
	Power source voltage			AC100V 50/60Hz
	Power consumption (W)			250 (in standby 7W)
	Weight (kg / lbs)			7.5 / 16.5
	Main unit dimensions	WxHxD		427 x 159 x 440mm (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

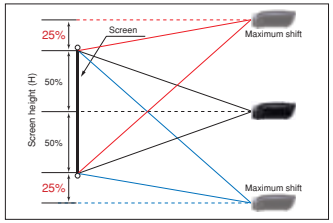
*: SVGA,XGA,WXGA,SXGA,UXGA are registered trademarks of IBM Corporation of the United States
**Approximate figure representing average operational life cycle

Projection distance

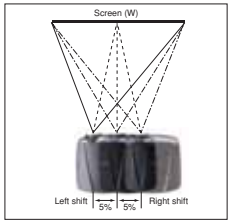
Screen size (16:9)				Projection distance		Up-down lens shift		Right-Left lens shift	
Diagonal		W (width)	H (height)	Max Zoom	Min Zoom	Down	Up	Left	Right
inch	cm	cm	cm	m	m	cm	cm	cm	cm
50	127	111	62	1.5	2.5	47 ← 0 →	47	6 ← 0 →	6
60	152	133	75	1.8	3.0	56 ← 0 →	56	7 ← 0 →	7
70	178	155	87	2.2	3.5	65 ← 0 →	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



Option

Colour domain expansion filter

CF6000

Replacement lamp

VLT-HC7000LP

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To find out more about HC6500 and our projectors, visit us at

www.MitsubishiElectric.com.au

Changes for the Better

MITSUBISHI ELECTRIC

MITSUBISHI HOME THEATRE PROJECTOR

Functionality meets Beauty

HC6500

Excellent Performance
Exceptional Design

That's exactly what you'll find with the new HC6500 home theatre projector.
Exquisite colours, high-contrast images and impressive picture reproduction are ensured with Mitsubishi's innovative hybrid D6 drive and Auto Iris technologies.
These and other advanced functions are packaged into an ergonomic and aesthetically pleasing black chassis that blends easily with any room environment.
Stylish and Powerful - Mitsubishi Electric is pioneering the future of home theatre systems.

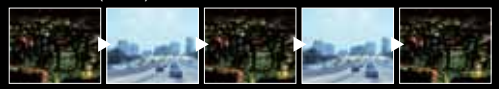
HC6500

FULL HD 1080 HQV HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE 3LCD Made in Japan

Newly Developed Auto-Iris Algorithm with Quick 1/60-sec Control

Astoundingly beautiful colour reproduction is what the HC6500 offers thanks to the incorporation of the Auto-Iris control algorithm, a feature commonly found in higher priced models. Recent advances have made this technology faster and more accurate, and it now provides picture reproduction at a maximum high-contrast ratio of 15,000:1. The light intensity at the pixel level for each image displayed on the screen is calculated precisely so that dark scenes are toned down to the appropriate black level even when a scene shifts continuously between bright and dark images. This ensures the faithful reproduction of every scene detail with vivid clarity. Combined with Mitsubishi's original contrast control function, the Auto-Iris delivers the richest blacks, the brightest whites, and the vivid richness of every colour in between.

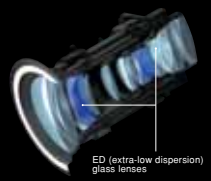
■ New Auto-Iris (HC6500)



■ Previous Auto-Iris (HC5000)

Extra-low Dispersion Glass Lenses for Full High-definition Resolution (1920x1080)

Superior image reproduction is achieved as the result of adopting a 17-lens/14-group optical system equipped with extra-low dispersion (ED) glass lenses. Far exceeding the performance of conventional glass lenses, improved resolution is obvious across the entire screen and chromatic aberration is virtually eliminated, right to the edges of the displayed picture.



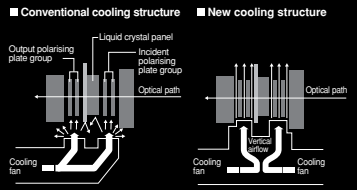
Power Zoom/Focus Adjustment and Lens Shift Functions Greatly Simplify Set-up

The HC6500 is equipped with a powered 1.6x zoom/focus lens, making it easy to set-up and show impressive big-screen images even in the smallest of rooms. A powered Lens Shift function is included as well, making vertical and horizontal adjustment as simple as pressing a button regardless of where the unit is located.

Quiet 17dBA Operation (at low mode)

The new cooling duct design contributes to improved cooling performance, and a smaller fan motor is adopted to secure a larger air-intake area and better intake-air efficiency for the large (low-noise) Sirocco fan. Furthermore, the seemingly seamless structure of the new chassis was designed to effectively prevent sound permeation.All these features combine for a hushed 17dBA operation – one of the quietest in the industry.

■ Conventional cooling structure ■ New cooling structure



New cooling structure for quiet operation

HQV – Unparalleled Image Reproduction Performance

■ **Reon-VX: Next-generation high-performance processor**

Reon-VX is the successor to the Realta chip manufactured by Silicon Optics Inc., renowned for its Hollywood Quality Video (HQV) technology. This high-performance chip excels behind the scenes as the genuine core of the superior high picture quality and visual impact of the HC6500.

■ **High-precision I/P conversion for all signal sources**

Extremely accurate rendering is provided by Mitsubishi's 10-bit interlace/progressive (I/P) conversion image processing technology. Regardless of the source, signals are detected and processed quickly and with the utmost precision – even signals from mixed video/film media. Signals received from terrestrial or broadcast satellite digital movies are processed using 2-3 pulldown technology, which removes the "jaggies" (jagged outlines) for vivid, clear images. Highly precise three-dimensional (3D) processing is included to convert video signals into scenes with meticulous picture quality, and new-generation 24P discs are supported as well.

■ **High-performance video scaler**

This ultra-precise image scaling function guarantees superior pixel conversion processing when converting resolution up from 720x480p to 1920x1080p. A unique filtering technique enables adaptive switching to a total of 1024 filter tabs each horizontally and vertically, further contributing to the high-definition picture quality of the images.

■ **Chromatic up-sampling errors reduced**

The Reon-VX chip also properly compensates for the loss of colour data resulting from signal compression at the production level of most DVD titles. This function enables a more faithful reproduction of the full colour spectrum in high-definition images without colour blur or loss.

Two HDMI 1.3 Input Terminals Compatible with "Deep Colour"

The HC6500 is capable of processing 10- and 12-bit video signals in addition to conventional 8-bit signal, thereby reproducing high-contrast images with full-colour gradation.

14-bit Digital Gamma Correction

Mitsubishi's original 14-bit gamma correction processing function expands gradation expression power 16-fold over the conventional 10-bit technology. This dramatically raises the projector's ability to reproduce the subtleties in dark images.

Next-generation High-definition Liquid crystal Panel (1920x1080)

This next-generation inorganic liquid crystal panel generates high-definition images with the richest blacks and sharpest colours. The rated panel service life is approximately 10 times longer than that of conventional organic film panels, translating into years of enjoyment viewing high-definition images that come to life through vibrant colour reproduction.

24P Blu-ray Direct Input Compatibility Reproduction of Original Images and Motion

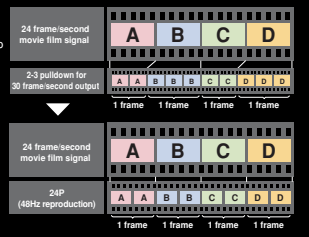
The HC6500 can play signals from most media, including the next-generation Blu-ray 24P optical disk. Compatible with an output of up to 48P (96Hz liquid crystal panel driver), twice the speed of conventional movie signals (24 frames/sec), amazingly life-like images and motion are reproduced with a smoothness and texture detail that mirror the original.

2-3 pulldown

When processing images at 60 frames/sec, lining up the signals up in 2- or 3-frame sequences causes overflow into the third B-frame, thereby detracting from motion smoothness.

24P direct output

With the signal processing speed of 24 frames/sec increased to 48 frames/sec, a sequence is created that aligns the signals. The bottom line is a smooth and fluid reproduction of the original image.



3D Micro-surface Structure Air Filter

Side-loading, Long-life Lamp (max.5000 hours)

Trigger Terminal

The Mitsubishi HC6500 is designed to match the needs of the most sophisticated home theatre, yet can be quickly integrated into the simplest of entertainment systems as well. A trigger connector for controlling a powered-screen drive is included, enabling quick set-up and operation and contributing further to your home theatre enjoyment.