## Specifications

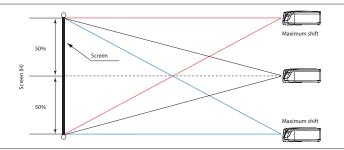
эрсспіс												
Model				HC5500								
Projection syst	tem			Transmissive liquid crystal system								
	Panel	size		0.74 type x 3 Aspect ratio 16:9								
Panel specs	Numb	er of pixels		1920 x 1080								
	Drive s	system		3 primary color liquid crystal shutter system								
	Array			Stripe pattern								
Optical specs	Zoom	focus opera	ation	1.2-power zoom/motorized								
	Lens s	hift		Motorized up-down 50%								
	Throw	Ratio		1.57 - 1.9								
	f(mm)			24-29								
	Light s	ource lamp		160W								
	Optica	l system		Mirror color separation / prism synthesis system								
	Iris			Auto-iris								
Projection scre	een size (	inches)		50-250								
Images	Bright	ness (Im)		1200								
	Contra	st ratio		14,000:1 (auto-iris) typ.								
	Resolution		PC input	VGA* 640 x 480 - UXGA* 1600 x 1200								
	Scan F	requency	Horizontal (Hz)	15-100								
	Scurri	requeries	Vertical (kHz)	50-120								
Input signal	Video\	/ideo		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								
system	PC			PC/AT compatibles, Mac								
	Video	PC Input	Mini D-Sub 15 pin	1 terminal								
		HDMI Inpu	ıt HDMI terminal	2 terminals								
la a ca		Composite	es RCA terminal	1 terminal								
Input		S	S-Video terminal	1 terminal								
		Compone	nts RCA terminal	1 terminal (component can be also input to Mini D-Sub 15 pin)								
	Serial /	RS-232C sta	ndard	1 terminal (D-Sub 9 pin)								
Output	Trigge	r terminal		1 terminal								
Functions	Digita	Keystone		Vertical ±15step								
	Fan no	ise		19dBA (at low mode)								
	Power	source volt	age	AC100V 50/60Hz								
	Power	consumpti	on (W)	250 (at waiting 7W)								
	Weigh	t (kg / lbs)		5.6 / 12.3								
	Main u	nit dimension	s WxDxH(mm/inch)	334 x 352 x 125 / 13.1 x 13.9 x 49.2 (excluding height adjustment)								
Other	Warra	nty		2-years limited parts and labor, 1-year or 500hrs (whichever comes first) lamp warranty								
	Suppl	ied Accesso	ries	Power source cord (2.9m), remote control, AA batteries (x 2), RGB signal cable, RS-232C cable, lens cap (attached to projector), lamp replacement tray, 3D Micro Surface Structure Air Filter (air intake filter)								
	Optio	nal Accesso	ries	Replacement Lamp (VLT-HC5000LP), Ceiling mount (XL6000CM)								
				<del></del>								

## ■ Projection distance

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

	Screen size (16:9)				distance	Up-down lens shift			Screen size (4:3)				Projection image size (16:9)					Projection distance		Up-down lens shift		
Diagonal		W (width)	H (height)	Max Zoom	Min Zoom	Down	Up	Down	Up	Diag	jonal	W (width)	H (height)	inch	Diagonal (type designation)	W (width)	H (height)	Black zone	Max Zoom	Min Zoom	Down Up	Down Up
inch	cm	cm	cm	m	m	inch	inch	cm	cm	inch	cm	cm	cm	cm	cm	cm	cm	cm	m	m	inch inch	cm cm
50	127	111	62	1.6	1.9	12 ← 0 →	12	31 ← 0 −	<b>→</b> 31	60	152	122	91	55	140	122	69	11	1.7	2.1	14 ← 0 → 14	34 ← 0 → 34
60	152	133	75	1.9	2.3	15 ← 0 →	15	37 ← 0 −	<b>→</b> 37	70	178	142	107	64	163	142	80	13	2.0	2.5	16 ← 0 → 16	40 ← 0 → 40
70	178	155	87	2.2	2.7	17 ← 0 →	17	44 ← 0 −	<b>→</b> 44	80	203	163	122	73	187	163	91	15	2.3	2.8	18 ← 0 → 18	46 ← 0 → 46
80	203	177	100	2.5	3.1	20 ← 0 →	20	50 ← 0 −	→ 50	90	229	183	137	83	210	183	103	17	2.6	3.2	20 ← 0 → 20	51 ← 0 → 51
90	229	199	112	2.9	3.5	22 ← 0 →	22	56 ← 0 -	<b>→</b> 56	100	254	203	152	92	233	203	114	19	2.9	3.5	23 ← 0 → 23	57 ← 0 → 57
100	254	221	125	3.2	3.9	25 ← 0 →	25	62 ← 0 -	<b>→</b> 62	110	279	224	168	101	256	224	126	21	3.2	3.9	25 ← 0 → 25	63 ← 0 → 63
110	279	244	137	3.5	4.3	27 ← 0 →	27	68 ← 0 −	<b>→</b> 68	120	305	244	183	110	280	244	137	23	3.5	4.3	27 ← 0 → 27	69 ← 0 → 69
120	305	266	149	3.8	4.6	29 ← 0 →	29	75 ← 0 -	→ 75	150	381	305	229	138	350	305	171	29	4.4	5.3	34 ← 0 → 34	86 ← 0 → 86
150	381	332	187	4.8	5.8	37 ← 0 →	37	93 ← 0 −	→ 93	200	508	406	305	184	466	406	229	38	5.9	7.1	45 ← 0 → 45	114 ← 0 → 114
200	508	443	249	6.4	7.8	49 ← 0 →	49	125 ← 0 -	<b>→</b> 125	250	635	508	381	229	583	508	286	48	7.4	-	56 ← 0 → 56	143 ← 0 → 143
250	635	553	311	8.0	-	61 ← 0 →	61	156 ← 0 -	<b>→</b> 156													

## Vertical direction



Options

Replacement lamp



# MITSUBISHI DIGITAL ELECTRONICS AMERICA, INC.

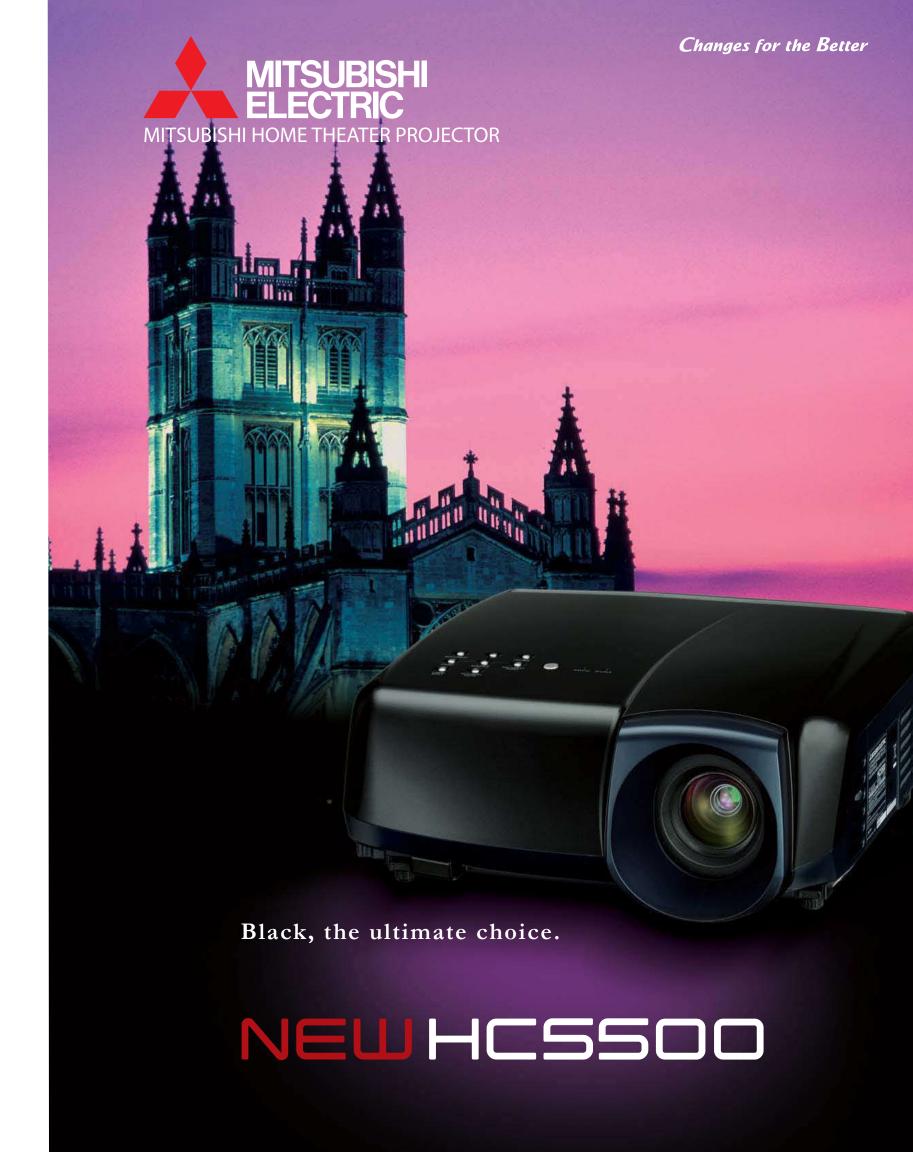
Presentation Products Division Phone: 888.307.0349 Email: ppdinfo@mdea.com www.mitsubishi-presentations.com



## MITSUBISHI ELECTRIC SALES CANADA, INC.

Information Technologies Group Phone: 905.475.7728 www.mitsubishielectric.ca

Specifications subject to change without notice.





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

The Mitsubishi HC5500 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 HC5500 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. This faithfully reproduces every scene detail with vivid clarity.

The auto-iris coupled with its adjustable contrast control will produce deep blacks, bright whites and rich vividness to all colors in between.





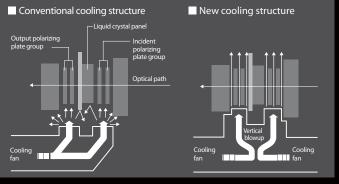
## Motorized zoom and focus adjustments with lens shift function greatly enhances ease of set-up

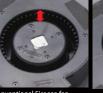
Impressive big-screen images can be enjoyed even in a small room with the 1.2x powered zoom and focus lens. In addition, the motorized lens shift simplifies vertical adjustments, providing maximum flexibility wherever you place the HC5500.



#### Hushed 19dBA low mode noise level

The HC5500 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.









## Unparalleled 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 Optix, 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 HC5500 HD projector.

■ High-precision I/P conversion, serving all sources With 10-bit image processing, I/P (interlace/progressive) conversion in the HC5500 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 HC5500 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, HC5500 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

## Equipped with two HDMI v1.3 inputs for Deep Color.

Allows for 10 and 12 bit video in addition to conventional 8-bit for reproduction of full color gradients and high contrast



## 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.

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

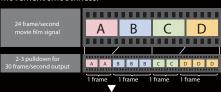
The HC5500 is equipped with a new generation inorganic LCD panel. This new LCD panel generates high definition images that produce rich blacks and vivid colors. Rated to last approximately 10 times longer than conventional organic film panels, this panel translates to years of viewing enjoyment with 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 HC5500 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.

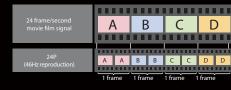
## 2-3 pulldown

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



## 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.





- 3D Micro Surface Structure Air Filter
- Side-Loading, Long Life Lamp, Up to 5,000 Hours ■ Trigger Terminal

The Mitsubishi HC5500 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.