



Video Processing

The scaler used takes any specified input resolution, both i and p, up to 1920 x 1080 progressive. 24 Hz input, if provided by a DVD, HD-DVD or BluRay player, is rate doubled to 48 Hz. This preserves true film motion without the associated flicker. And gives you a viewing experience that has to be seen to be believed.



Specifications		SP-A800B		
Display Device		Texas Instruments DMD, single chip, 1920 x1080		
Screen Format		16:9		
System	NTSC	■		
	AV-NTSC (MIT)	■		
	PAL/SECAM	■		
Power	Supply	100V~240V, 50 Hz – 60 Hz AC		
Picture	Brightness (Marketing value)	1000 ANSI Lumens		
	Contrast Ratio (Marketing value)	10,000:1 (Full on/off)		
	Lamp Type	300W Philips UHP		
	Lamp Life	2000 Hours		
	Dynamic Black	■		
	Reference Color Temp.	6500K		
	Color Temp. Variation	5500K/6500K/8000K/9300K		
	Resolution	1920 x 1080		
	Scan System	Progressive (1080p)		
	3D Y/C Comb	■		
	Digital N/R	■		
	3 to 2 Pull Down	■		
Functions	PC Input	Multi Mode		
	Blue Screen	■		
	Multi Language	English/German/Spanish/Dutch/French/Italian/Portuguese/Chinese/Swedish/Korean		
	DTV Ready	Input: 1080p/1080i/720p/576p/576i/480p/480i		
	Multi Format	Full/Zoom1/Zoom2/Wide Fit/4:3		
	Picture Mode	7 (Dynamic/Standard/Movie1~2/User1~3)		
	LED Lamp Off	■		
	Lens Focus	Manual		
	Lens Shift	Manual (vertical only)		
	Zoom Lens	Manual		
	Throw Ratio	1.72~2.24		
	Image Size (inches)	40" to 300"		
	H-Sync Range	15.0 - 80.0kHz		
	V-Sync Range	48 - 100Hz		
	Fan Noise	24 dBA Theater mode, 30 dBA Bright mode		
	Remote	Type	TM-90	
	Terminal	Rear Input	HDMI	2
Composite In			1	
S-Video			1	
Component			2 (1080p/1080i/720p/576p/576i/480p/480i)	
PC (D-sub 15-Pin)			1	
RS-232C (S/W Upgrade+Function control)			1	
Dimensions		18" x 8.5" x 19"		
Weight		21.6 lbs.		

Dimensions



www.samsung.com/proav

1-800-SAMSUNG

©2008 Samsung Electronics America, Inc. Samsung is a registered mark of Samsung Electronics Corp., Ltd. Specifications and designs are subject to change without notice. Non-metric weights and measurements are approximate. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective manufacturers and companies. Simulated screen images. Printed in USA. PRJ-SPA800BPBROC-May08T



imagine the most advanced evolution
of color projection on the planet.

Samsung SP-A800B

1080p Full HD Home Theater Projector



Experience the Samsung SP-A800B 1080p Full HD Home Theater Projector.

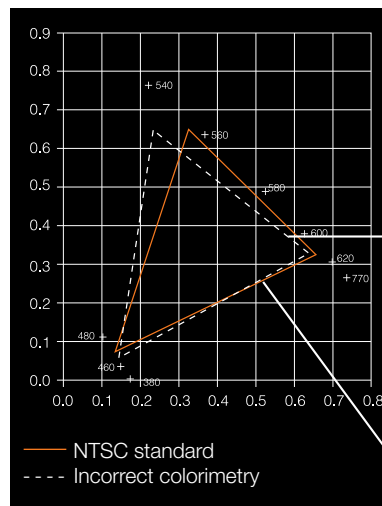
Once again, Samsung has pushed the bounds of engineering. Introducing the SP-A800B 1080p Full HD home theater projector. Offering the very latest Samsung picture technologies, the SP-A800B delivers a premium home theater experience through studio-quality color and Gamma control. It's the most image-critical projector in its class. And it's the home theater projector for those who demand nothing less than the best performance on the planet.



Color Reproduced Exactly the Way it was Intended

When Hollywood directors and cinematographers adjust the colors during the creation of their movies and TV shows, they scrutinize every scene. They agonize over minute color shifts. They spend a week or more in front of broadcast-grade CRT monitors that cost upwards of \$50,000.

But if you don't have a \$50,000 CRT monitor, how will you ever get to see the color precisely the way it was intended? The answer is the Samsung SP-A800B. Not only is the SP-A800B capable of reproducing broadcast-standard colorimetry, the color gamut can be calibrated to HD, SMPTE-C and ECU standards, coming to within an astounding ± 0.001 in both x and y coordinates for red, green and blue.



Distorted colors



Exact colors



Uncompromising 1080p Full HD Resolution

Equally as important as the very finest color is the resolution. The SP-A800B offers the highest HDTV resolution available, 1080p. It's a true high-definition picture, for more detailed and more natural-looking car chases, pirate ship fights and world-threatening cosmic catastrophes.



Conventional

Samsung

Joe Kane Productions-Endorsed



What happens when two industry leaders, esteemed for their history of ground-breaking technologies, share points of view? You get a projector capable of delivering a sensory experience unlike any other. With the SP-A800B, Samsung and Joe Kane Productions have set the standard in home theater projection excellence.

About Joe Kane Productions

Joe Kane Productions (JKP) was founded in 1982 with the intent of assisting the video industry in improving the quality of video. Since then, the company has been actively involved in lectures, training, writing, and consulting on topics of display standards, including such diverse topics as screen specification for projection displays and specifications for all sorts of equipment used to drive displays. The company's clients include most of the television networks; many post production facilities, a large number of equipment manufacturers, and home theater installers. For more information, please visit <http://www.videoessentials.com>.

The rest of the picture.

A breathtaking viewing experience depends on more than just color and clarity. It's the details that make the difference.

High 10,000:1 Dynamic Contrast Ratio



The Samsung SP-A800B delivers more detailed blacks and whites through a constantly shifting contrast ratio. The SP-A800B can continually monitor the video signal and dynamically varies the iris, so blacks don't plug up and whites don't blow out. Dark scenes hold scarier details. Snowmobile chases are more exciting.



Conventional



Samsung

24-Frame True Film Mode

Movies are shot at the film speed of 24 frames per second, but are typically displayed at the video speed of 30 frames per second. Where do those extra six frames per second come from? They're interpolated by a technique called 3/2 pulldown. But the SP-A800B offers 24-frame True Film mode, to allow movies to be viewed exactly the way they were filmed.



Conventional



Samsung

Extremely Quiet Operating Sound Levels

A soaring musical score. A moving deathbed love scene. Even a simple teen comedy. These can all be ruined by a loud projector. The SP-A800B operates at a virtually inaudible 24 dBA in Theater mode, and 30dBA in Bright mode. The focus will remain on the movie, where it belongs.

Enhanced HDMI 1.3 Connectivity



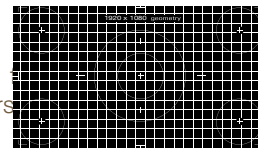
Enhanced HDMI 1.3 provides a broader bandwidth, for full support of all existing Dolby and DTS compressed audio formats. The faster frame rates of up to 120Hz (1080p) and 240Hz (720p/1080i) also deliver the highest sound and picture quality available.

Organic Design

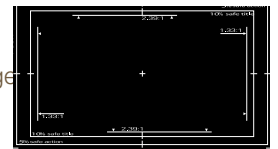
The SP-A800B's uniquely elegant design tucks discretely out of the way, or adds contemporary styling to any environment. Finished in a luxurious high-gloss black, the SP-A800B can be either ceiling- or table-mounted.

Easy Set-Up

The SP-A800B is ready to go, practically right out of the box. Set-up patterns are built in, which enables easy focusing and alignment. And a Picture Size pattern controls aspect ratio, overs



Crosshatch Pattern



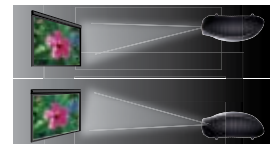
Picture Size Pattern

Distortion-Free Display

Whether the SP-A800B is mounted on the ceiling or on a table, the image should be skew- and distortion-free. To aid in this, Lens Shift makes it easy to optimize the vertical location of the image on the screen, while Install Position Shift compensates for mounting position.



Lens Shift



Install Position Shift

User-Adjustable Settings

While the SP-A800B provides the most exacting color, there's still room for personal preference. Dynamic iris, brightness, contrast and color temperature adjustment options ensure that the picture displayed is always the perfect picture.



User Settings