



# PLUS Piano

## HE-3200

Here's what the critics said about the original Piano HE-3100:

"...a huge step toward bringing front-projected DLP™ images to the masses."  
—Home Theater

"...a superb projector at a terrific price."  
— HomeTheaterSound.com

"...a mega-value that substantially raises the bar for what we can expect in terms of performance and price."  
— Stereophile Guide to Home Theater

"...for an impressively large, beautifully detailed, projected image, Piano is almost perfect."  
— OnHomeTheater.com

"...a great match for DVD movies."  
— E-Gear

## Introducing the newly enhanced Piano HE-3200

It's the sequel to the award-winning home theater projector all the critics praised for establishing a new benchmark in performance and value. With Piano HE-3200, the benchmark is raised again!

Still the smallest and lightest home theater projector that delivers true large-screen, film-like picture quality to any size room, new Piano HE-3200 also features built-in HDTV compatibility, a zoom lens, and a whole lot more!

Best of all, it's available now for only

# \$3,299!



**PLUS** [www.PlusHomeTheater.com](http://www.PlusHomeTheater.com)  
1 (800) 289-7587



Piano HE-3100 now available for just \$2,699!

The PLUS® Piano HE-3100 established a new benchmark in video projection value by offering outstanding picture quality at an affordable price. Now, PLUS® does it again with the new Piano HE-3200. All of the features and benefits that earned multiple awards and critical acclaim for the original Piano are found in the HE-3200, along with enhancements that allow the new Piano to redefine value in home theater projectors. These include:

- HDTV compatibility for enjoying big-screen high definition programming
- Zoom lens for flexibility in projector placement
- Support for both interlaced and progressive scan signals to deliver the best possible picture from all DVD players and satellite/cable TV sources
- Component, S-video, composite and RGB-15 inputs for use with a wide range of video playback devices, and a DVI-D input for use with compatible PCs
- Remote control with luminous buttons for easy operation in a darkened room

**And best of all, it costs just \$3,299!**

What hasn't changed is that the PLUS® Piano is the smallest and lightest home theater projector, so it can be used to turn any room in the house into a home theater. No larger than the average dictionary and lighter than an audio boom-box, the PLUS® Piano delivers a big-screen theater experience without the need for a dedicated room. And to ensure that it complements any room's décor, the Piano is available in five colors: silver, black, white, red and yellow.

Specifications	
Model Name	HE-3200
Display Method	Single Chip Digital Micromirror Device (DMD™)
DMD Panel:	Size: 0.7" Picture element: 508,800 Pixels (848 x 600)
Lens	Manual Zoom (x 1.2), Manual Focus F=3.0-3.3, f=21.5-25.8mm
Lamp	130W High Performance Compact Lamp
Image Size	Min. 34" (projection distance 1.2m/3.9 feet) Max. 224" (projection distance 6.9m/22.6 feet)
Color Reproduction	Full color, 16.7 million colors simultaneously
Brightness	450 ANSI Lumens (normally white)
Contrast Ratio	700:1 (full on/off)
Scanning Frequency	Horizontal: 15 – 85 kHz Vertical: 50 – 85 Hz
Functions	Zoom/Focus (Manual), Projection Angle, Source Select (Video/S-Video/YCbCr/YPbPr/RBG/DVI), Aspect, Standby On/Off, Projection Orientation, Digital Keystone Correction, Brightness, Contrast, Color,* Tint,* Sharpness,* Color Temperature, Gamma Correction, RGB Signal Auto Adjustment
Horizontal Resolution	NTSC: 400 Lines or More
Power Requirement	100 – 240 V AC, 50/60 Hz
Power Consumption	200W (standby 18 W)
Dimensions	235 (W) x 91 (H) x 198 (D) mm (not including protrusion) 9.3 (W) x 3.6 (H) x 7.8 (D) Inches (not including protrusion)
Weight	2.0 kg/4.4 lbs
Accessories	Wireless Remote Control, Battery (AA x 2), AC Power Cord (1.8m/5.9'), S-Video Cable (3m/9.8'), Adjuster x 2, Operation Manual, Quick Reference Sheet, Warranty Card

Input	
Digital RGB Input	T.M.D.S (single link only)
Input Terminal	DVI-D 24-pin x 1
RGB Signal	VGA (640 x 480) Expansion/SVGA (800 x 600) Full, XGA (1024 x 768) Compressed
Analog RGB Input	Separate
Image Signal	Analog: 0.7 Vp-p/75Ω
Synchronized Signal	Separate: TTL level (Positive/Negative)
Input Terminal	RGB Mini D-Sub (15 pin) x 1
RGB Signal	VGA (640 x 480) Expansion/SVGA (800 x 600) Full, XGA (1024 x 768) Compressed
DTV Input	Component (YPbPr)
Image Signal	Y: 1.0Vp-p/75Ω, PbPr: 0.7Vp-p/75Ω
Input Terminal	RCA x 3
DTV Input	480p, 576p, 720p, 1080i
Video Input	Composite, S-Video, Component (YCbCr)
Color System	NTSC 3.58, NTSC 4.43, PAL, PAL N, PAL M, PAL60, SECAM
Image Signal	Composite: 1.0Vp-p/75Ω S-Video: Y (1.0Vp-p/75Ω), C (0.286Vp-p/75Ω) Component: Y (1.0Vp-p/75Ω), CbCr: (0.7Vp-p/75Ω)
Input Terminal	Composite: RCA x 1 (Use it both as composite and component-Y) S-Video: Mini DIN 4-Pin x 1 Component: RCA x 3

\* Not available on DVI input

Digital Light Processing, DLP, Digital Micromirror Device and DMD are trademark of Texas Instruments. Design and specifications are subject to change without notice.

**PLUS® Piano HE-3100 Now Available for \$2,699!**

The home theater projector that the critics raved about is now a better value than ever before. From June 1, 2002, the original, award-winning Piano HE-3100 can be purchased at a new lower price.

Visit [www.PlusHomeTheater.com](http://www.PlusHomeTheater.com) for details.