Panasonic
ideas for life

PT-AX200
High-Definition Home Cinema Projector

Easy-to-Enjoy Home Theater for Casual Lifestyles

A Bigger Picture Means Better Entertainment

The PT-AX200 is ideal for watching sports events or playing video games in bright daytime conditions in addition to viewing movies in a dark room. Powerful 2,000-lumen brightness and new Light Harmonizer 2 technology make it easy for people to enjoy vibrant, dynamic images even if they don't have a special theater room. Panasonic's advanced technologies improve color reproduction accuracy in movies, to deliver images with a refined "Hollywood picture quality," making this projector ideal as the heart of a home cinema system.

Playing video games by projecting the image onto a big screen.

Enjoying sports programs, cartoons and TV shows with family.

Watching your favorite movies in high picture quality.

PT-**AX200**

High-Definition
Home Cinema Projector

2,000-Lumen Brightness—Brightest in its Class*[1]

Panasonic specially developed an extremely powerful lamp for the PT-AX200. Combined with the high-performance optical system, it delivers 2,000-lumen brightness, brightest in its class*[1]

Light Harmoniser 2

With the PT-AX200, images are crisp, vivid and easy to see even in the kind of bright lighting that makes images from other projectors look whitish, faded or lacking in detail. Panasonic's Light Harmonizer 2 technology makes home cinema more fun than ever. Now you can get together with friends to watch movies, sports and concert performances in normal room lighting—and still enjoy clear, brilliant images with crisp detail.
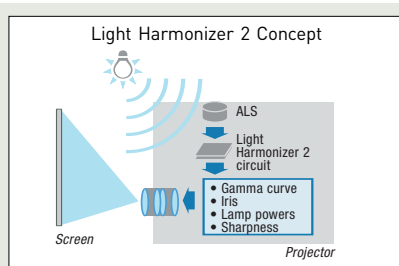
PT-AX200: Light Harmonizer 2   A 1,000-lumen class projector

With Light Harmoniser 2

Without Light Harmoniser 2

Light Harmonizer 2 Concept

ALS
Light Harmonizer 2 circuit
• Gamma curve
• Iris
• Lamp powers
• Sharpness

Screen

Projector

A built-in ambient light sensor (ALS) measures the room brightness, and the Light Harmonizer 2 circuit adjusts the gamma curve, iris setting, lamp power and picture sharpness according to both the measured brightness and the input signal*[2].

Game Mode for Stress-Free Playing

The PT-AX200 features a "Game" mode that improves signal processing for better response, allowing you to play games with minimal stress. It also enhances gradation in saturated areas to express more details.

The Game mode reveals details that are otherwise lost in very dark areas.

Competitors

Cinema 1 Mode Offers Hollywood Picture Quality

Panasonic worked with experts in Hollywood—the movie capital of the world—to create the ideal image reproduction for viewing movies. This allows the PT-AX200 to deliver true Hollywood picture quality, with images that faithfully express the director's artistic intent.

Advanced Dynamic Sharpness Control

Conventional projectors emphasise sharpness without regard for brightness differences. This can cause a halo or ring effect around object edges, reducing their three-dimensionality. Advanced Dynamic Sharpness Control sharpens only the pixels in the image areas where there is a small change in brightness level. This greatly reduces noise amplification and delivers clear, natural-looking images.

Pure Color Filter

The new Pure Color Filter was born from Panasonic's pursuit of optical technology that delivers true Hollywood picture quality. The lamp is adjusted to produce a level of light that maximizes the performance of the LCD panels, which expands the color range and produces truer blacks.

Smooth Screen Technology

Developed exclusively by Panasonic, this effectively reduces the "chicken wire effect"—the black lines between pixels that mar picture quality. The high-definition picture of the PT-AX200 is remarkably smooth and film-like, while remaining amazingly sharp and detailed.

PT-AX200   Competitors

Dynamic Iris and Dynamic Gamma

Dynamic Iris helps provide the deeper, richer blacks needed for true image reproduction. This technology adjusts the lamp power, iris, and gamma curve according to data obtained from frame-by-frame histogram analysis of the image brightness level. Dynamic Gamma boosts the brightness level of image details that would otherwise be lost in dark areas. You see the kind of true, deep blacks you've seen before only at the cinema.
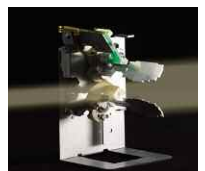
High-precision iris mechanism

*1: For LCD projectors with native resolution of 720p, as of August 1, 2007.
*2: The Light Harmonizer 2 is set to Auto at the factory. There's also a Manual mode if you want to fine-tune the picture yourself.

2x Optical Zoom Lens

The 2x optical zoom lens provides a wide throw range that gives you outstanding setup flexibility, letting you enjoy large-screen viewing in rooms large or small. Position it on a table in front of you, suspend it from the ceiling, or place it on a bookshelf behind you.

Vertical and Horizontal Lens Shift

Adjust the positioning of the picture vertically and horizontally by simply operating a joystick. The shift range is 63% of the screen height for vertical adjustment, and 25% of the screen width for horizontal adjustment.

Two HDMI Inputs

Two HDMI inputs let you connect two devices, such as a BD player and game console, at the same time, using HDMI cables. This eliminates the need for an HDMI switcher.

Simple, Convenient Remote Control

The newly redesigned remote control has fewer buttons and a more user-friendly layout. The picture mode select buttons have been divided into "Theater Room" and "Living Room" for easier use.
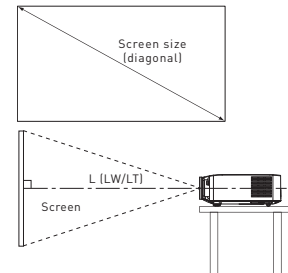
Other Features

• Seven picture modes include game, vivid cinema, normal dynamic, cinema 1, cinema 2, and natural. • User equalizing function lets you adjust the high, mid and low gamma levels. Up to three sets of adjustment settings can be stored in memory with names that make them easy to remember. • Scene-adaptive resizing LSI improves quality when resizing 480p images or those from other sources with resolution lower than the PT-AX200's native resolution. • Scene-adaptive MPEG noise reduction effectively blocks regular noise and minimizes mosquito noise. • Progressive cinema scan (3/2 pull-down) and HD IP • Quiet operation (25 dB) and front exhaust • On-screen input guidance • OSD color/position selectable • Blue/black screen function • Auto input search • HDMI signal level selectable • Off-timer • Normal/economy lamp power selection • Built-in test pattern

Image size/projection distance

Projection size (16:9)		Projection distance (L)	
Diagonal length	Min. distance (LW)	Max. distance (LT)	
1.01 m / 40″	1.2 m / 3′11″	2.4 m / 7′10″	
1.52 m / 60″	1.8 m / 5′10″	3.7 m / 12′1″	
2.03 m / 80″	2.4 m / 7′10″	4.9 m / 16′	
2.54 m / 100″	3.1 m / 10′2″	6.2 m / 20′4″	
3.05 m / 120″	3.7 m / 12′1″	7.4 m / 24′3″	
3.81 m / 150″	4.6 m / 15′1″	9.3 m / 30′6″	
5.08 m / 200″	6.2 m / 20′4″	12.4 m / 40′8″	

Screen size (diagonal)

L (LW/LT)

Screen

PT-AX200 Specifications

Power supply	100–240 V AC, 50/60 Hz
LCD panel*1	
Panel size	0.7″ (17.78 mm) diagonally
Aspect ratio	16:9 aspect ratio
Display method	Transparent LCD panel (x 3, R/G/B)
Pixels	921,600 (1280 x 720) x 3, total of 2,764,800 pixels
Lens	Manual zoom (2x)/Manual focus, F 1.9 - 3.1, f 21.7 mm - 43.1 mm
Lamp*2	220 W UHM™ lamp
Brightness	2,000 lumens*3
Contrast	6,000:1*3 (full on/full off)
Projection size	1,016–5,080 mm (40–200 inches) diagonally, 16:9 aspect ratio
Resolution	RGB: 1280 x 720 pixels (1920 x 1080 pixels with compression)
Scanning frequency (RGB)	Horizontal: 30–70 kHz, Vertical: 50–87 Hz
YPBPR signal compatibility	525i (480i), 525p (480p), 625i (576i), 625p (576p), 750 (720)/50p, 750 (720)/60p, 1,125 (1,080)/24p, 1,125 (1,080)/50i, 1,125 (1,080)/50p, 1,125 (1,080)/60i, 1,125 (1,080)/60p
Optical axis shift*4	Horizontal ±25% and vertical ±63%
Keystone correction range	Vertical: approx. ±30°
Installation	Ceiling/desk, front/rear (menu selection)
Terminals	
S-VIDEO IN	Mini DIN 4-pin x 1
VIDEO IN	RCA pin x 1, 1.0 Vp-p, 75 ohms
PC (RGB) IN	D-sub HD 15-pin (female) x 1
COMPONENT IN	RCA pin (Y, PB/CB, PR/CR) x
HDMI IN	19-pin HDMI connector x 2
SERIAL	Mini DIN 8-pin x 1 (RS-232C based)
Dimensions*5 (W x H x D)	395 x 112 x 300 mm (15-17/32″ x 4-13/32″ x 11-25/32″)
Weight	4.9 kg (10.8 lbs.)
Supplied accessories	Power cord, Wireless remote control unit, Batteries for remote control (UM-3 x 2)
Optional accessories	
ET-LAX100	Replacement lamp unit
ET-PKX100	Ceiling mount bracket
ET-ADSER	Serial adapter (DIN 8-pin/D-sub 9-pin)

*1: The projector uses a type of liquid crystal panel that typically consists of millions of pixels. This panel is built with very high-precision technology designed to provide one of the finest possible images. Occasionally, a few pixels may remain turned on (bright) or turned off (dark). Please note that this is an intrinsic characteristic of the manufacturing technology that affects all products using LCD technology.
*2: The projector uses a high-voltage mercury lamp that contains high internal pressure. This lamp may break, emitting a large sound, or fail to illuminate, due to impact or extended use. The length of time that it takes for the lamp to break or fail to illuminate varies greatly depending on individual lamp characteristics and usage conditions.
*3: In AI mode, with dynamic iris on
*4: Shift range is limited during simultaneous horizontal and vertical shifting.
*5: Excluding protrusions

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Projector Global Web Site
http://panasonic.co.jp/pavc/global/projector

Please contact Panasonic or your dealer for a demonstration.