Panasonic

ideas for life

Home Theater Made Easy to Meet Your Lifestyle

A Bigger Picture Brings Images to Life!

The PT-AX200 is ideal for watching sports events or playing video games in daytime conditions and surely for 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.

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

Enjoy sports programs, cartoons and TV shows with family.

Watch your favorite movies in high picture quality.

PT-**AX200**

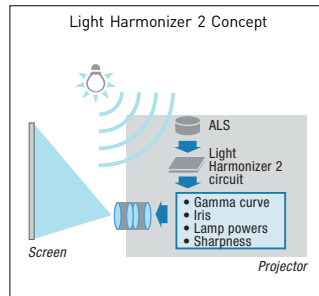High-Definition
Home Cinema Projector

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

Panasonic developed an extremely powerful lamp to realize an outstanding brightness of 2,000 lumens, brightest in its class.*[1]

Light Harmonizer 2 Brings Crisp Picture in Various Lightings

Together with the 2,000-lumens brightness, Panasonic's Light Harmonizer 2 technology produces vivid and easy to see images even in the kind of bright lighting that makes images from other projectors look whitish, faded or lacking in detail. In addition, it has a built-in ambient light sensor (ALS) that measures the amount of light in your room to optimize the picture quality at different lighting conditions.*[2] Light Harmonizer 2 circuit not only adjusts the gamma curve, but also controls iris setting, lamp power, and picture sharpness to maintain easy, comfortable viewing at all times.
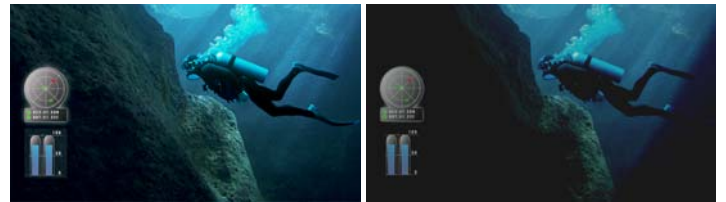
Light Harmonizer 2 Concept

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

Screen
Projector

PT-AX200: Light Harmonizer 2

A 1,000-lumen class projector

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 reveals gradation in saturated areas to show detail that are otherwise lost in very dark areas.

The Game mode reveals more details in 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.
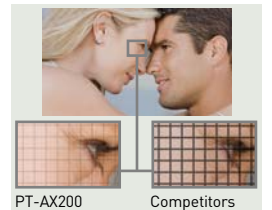
Pure Color Filter

The Pure Color Filter was born from Panasonic's pursuit of optical technology that delivers true Hollywood picture quality. The light spectrum 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 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

Dynamic Iris has been refined to provide deeper, richer blacks needed for true image reproduction with stunning smoothness. 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.

High-precision iris mechanism

Advanced Dynamic Sharpness Control

The new Advanced Dynamic Sharpness Control determines image areas that need to be sharpened at varying degrees by examining small changes in brightness levels within the image. This greatly reduces noise amplification and delivers clear and natural looking images.

*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 is 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 different sized rooms. 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 remote control is intuitively laid out for ease of use. The picture mode select buttons are divided into "Theater Room" and "Living Room" to separate the modes into those recommended for dark room viewing and bright room viewing respectively.
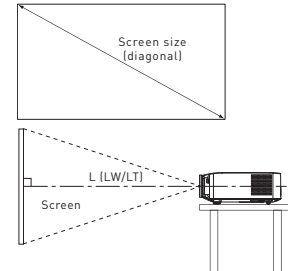
Other Features

• Seven picture modes include game, vivid cinema, normal, dynamic, cinema 1, and cinema 2. • User equalizing function lets you adjust the high, mid and low gamma levels.

• Up to eight sets of adjustment settings can be stored in memory with custom 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. • Cinema Color Management allows individual color correction • Scene-adaptive MPEG noise reduction effectively blocks regular noise and minimizes mosquito noise. • 24p compatible
• Progressive cinema scan (3/2 pulldown) and HD IP • Quiet operation (25 dB) and front exhaust • On-screen input guidance • Auto input search • 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
Power consumption	290 W (Approx. 0.08 W in standby mode with fan stopped)
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[*3]	2,000 lumens[*4]
Contrast[*3]	6,000:1[*4] (full on/full off)
Resolution	RGB: 1280 x 720 pixels (1920 x 1080 pixels with compression)
YP_BP_R signal compatibility	480i (525i), 480p (525p), 576i (625i), 576p (625p), 720 (750)/50p, 720 (750)/60p, 1,080 (1,125)/24p, 1,080 (1,125)/50i, 1,080 (1,125)/50p, 1,080 (1,125)/60i, 1,080 (1,125)/60p
Color system	NTSC, NTSC 4.43, PAL, PAL-M, PAL-N, PAL 60, SECAM
Optical axis shift[*5]	Horizontal ±25% and vertical ±63%
Keystone correction range	Vertical: approx. ±30°
Terminals	
S-VIDEO IN	Mini DIN 4-pin x 1
VIDEO IN	RCA pin x 1
COMPUTER IN	D-sub HD 15-pin (female) x 1
COMPONENT IN	RCA pin (Y, P_B/C_B, P_R/C_R) x 1
HDMI IN	HDMI connector x 2
SERIAL	Mini DIN 8-pin x 1 (RS-232C based)
Dimensions[*6] (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.)
Operating environment	Temperature: 0°–40°C (32°–104°F), Humidity: 20%–80% (no condensation)
Supplied accessories	Power cord, Wireless remote control unit, Batteries for remote control (UM-3 x 2)
Optional accessories	
ET-LAX100	Replacement lamp unit
ET-PKX200	Ceiling mount bracket
ET-ADSER	Serial adapter (DIN 8-pin/D-sub 9-pin)

Ecology-Conscious Design

Panasonic strives to minimize environmental impact caused by its products through careful consideration of design, production, delivery, process and product life cycle. The PT-AX200 reflects the following ecological considerations.

• Lead-free solder is used to mount components on the printed circuit boards.
• No halogenated flame retardants are used in the cabinet.
• No polystyrene foam is used in the packing materials.
• Lead-free glass is used for the lens.
• The packing case and operating manual are made from recycled paper.
• Lamp power switching further reduces power consumption.
• Standby power consumption is a mere 0.08 watts in the standby mode.

*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: Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.
*4: In AI mode, with dynamic iris on
*5: Shift range is limited during simultaneous horizontal and vertical shifting.
*6: Excluding protrusions

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

PT-AX200G-07AUG10K Printed in Japan.