Panasonic
ideas for life

Home Theatre Made Easy to Meet Your Lifestyle

HD ready

A Bigger Picture Brings Images to Life!

The PT-AX200E 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 Harmoniser 2 technology make it easy for people to enjoy vibrant, dynamic images even if they don't have a special Theatre room. Panasonic's advanced technologies improve colour 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 favourite movies in high picture quality.

PT-**AX200**E

High-Definition
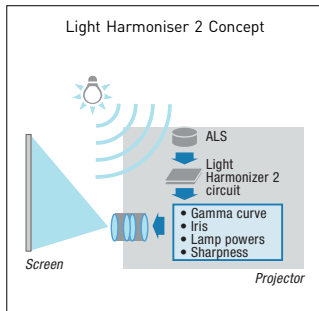Home Cinema Projector

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

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

Light Harmoniser 2 Brings Crisp Picture in Various Lightings

Together with the 2,000-lumens brightness, Panasonic's Light Harmoniser 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 optimise the picture quality at different lighting conditions.*[2] Light Harmoniser 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 Harmoniser 2 Concept

ALS
Light Harmonizer 2 circuit
- Gamma curve
- Iris
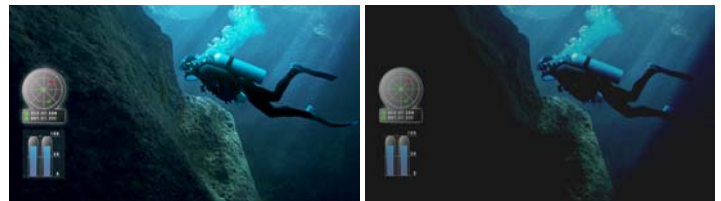- Lamp powers
- Sharpness
Screen
Projector

PT-AX200E: Light Harmoniser 2

A 1,000-lumen class projector

Game Mode for Stress-Free Playing

The PT-AX200E 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 details that are otherwise lost in very dark areas.

The Game mode reveals more details in dark areas.

Conventional

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-AX200E to deliver true Hollywood picture quality, with images that faithfully express the director's artistic intent.
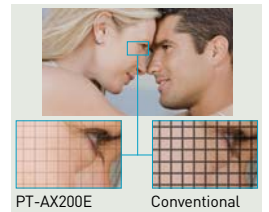
Pure Colour Filter

The Pure Colour 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 maximises the performance of the LCD panels, which expands the colour 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-AX200E is remarkably smooth and film-like, while remaining amazingly sharp and detailed.
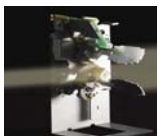
PT-AX200E   Conventional

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 Harmoniser 2 is set to Auto at the factory. There is also a Manual mode if you want to fine-tune the picture yourself.
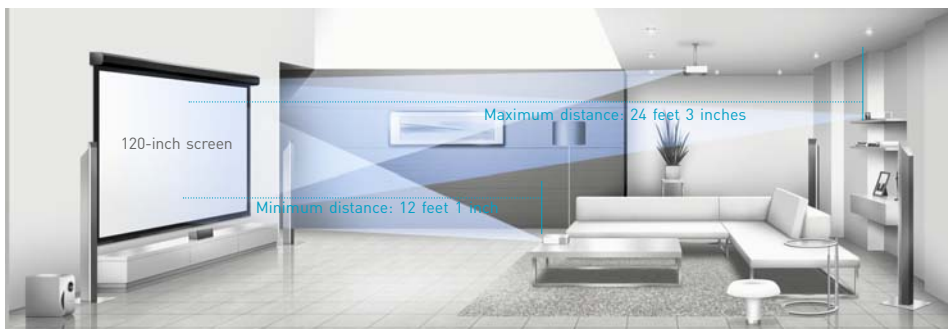
2x Optical Zoom Lens

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.

120-inch screen

Maximum distance: 24 feet 3 inches

Minimum distance: 12 feet 1 inch

Simple, Convenient Remote Control

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

Back-lit buttons

Other Features

• Seven picture modes include game, vivid cinema, normal, dynamic, cinema 1, cinema 2 and natural. • User equalising function lets you adjust the high, mid and low gamma levels. • Up to eight sets of adjustment set-

tings can be stored in memory with custom names that make them easy to remember.
• Scene-adaptive residing LSI improves quality when residing 480p images or those from other sources with resolution lower than the PT-AX200's native resolution. • Cinema Colour Management allows individual colour correction • Scene-adaptive MPEG noise reduction effectively blocks regular noise and minimises 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
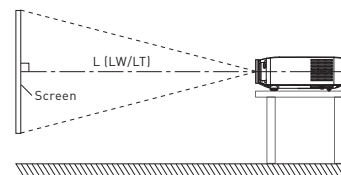• Normal/economy lamp power selection
• Built-in test pattern

PT-AX200E 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)
YPBPR 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
Colour 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	
HDMI IN	HDMI connector x 2
COMPUTER IN	D-sub HD 15-pin (female) x 1
COMPONENT IN	RCA pin (Y, PB/CB, PR/CR) x 1
S-VIDEO IN	Mini DIN 4-pin x 1
VIDEO IN	RCA pin x 1
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 (AA type 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)

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″

L (LW/LT)

Screen

*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

For detailed explanation of features please visit our Projector Global Web Site **http://panasonic.co.jp/pavc/global/projector**

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PT-AX200E1-07SEP50K Printed in Japan.