

Panasonic
ideas for life

PT-AE1000
Full High Definition
Home Cinema Projector

PRELIMINARY

1080p Full HD. Professional Quality.



HOLLYWOOD TUNING

PT-AE1000 Full High Definition Home Cinema Projector

The PT-AE1000 is a full-HD compatible home cinema projector featuring 1,080p LCD panels. Extensive research and development was conducted on the optical system, image processing engine, and other major components to bring high-resolution, full-HD images into the home for full and easy enjoyment. The development team collaborated with leading Hollywood colorists to further increase imaging precision through the "Hollywood tuning" process. The result is a full high definition home cinema projector that packs comprehensive Panasonic technologies into a compact, stylish cabinet.

- 1,920 x 1,080 full-HD panels with perpendicularly aligned liquid crystals
- Outstanding 11,000:1 contrast ratio—highest in its class*1
- Newly developed lens system with original aspherical lenses
- Pure Color Filter adjusted to professional specifications for rich, deep blacks and vivid colors
- 14-bit gamma processing original LSI
- HD-optimized Dynamic Iris with new algorithm
- Waveform monitor function
- HD-optimized Smooth Screen
- Cinema Color Management
- Progressive Cinema Scan (3/2 pull-down)
- Scene-adaptive MPEG noise reduction

- Lens-centered symmetrical design
- 2x powered optical zoom and powered focus
- H/V lens shift (horizontal $\pm 40\%$, vertical $\pm 100\%$)
- Learning remote control
- Two HDMI inputs
- Built-in test pattern
- Optional cable cover (ET-PCE1000)
- Easy filter/lamp replacement



Specifications

Power supply	100–240 V AC, 50/60 Hz
Power consumption	240 W (Approx. 0.08 W in standby mode with fan stopped)
LCD panel*2	
Panel size	0.74" diagonally
Aspect ratio	16:9 aspect ratio
Display method	Transparent LCD panel (x 3, R/G/B)
Drive method	Active matrix
Pixels	2,073,600 (1,920 x 1,080) x 3, total of 6,220,800 pixels
Lens	Powered zoom (2x)/powered focus, F 1.9–3.2, f 22.4 mm–44.8 mm
Lamp*3	165 W UHM™ lamp
Brightness	1,100 lumens*4
Contrast	11,000:1*4 (full on/full off)
Center-to-corner uniformity ratio	85%
Colors	Full color (1,070,000,000 colors)
Projection size	1,016–5,080 mm (40–200 inches) diagonally, 16:9 aspect ratio
Throw distance	1.2 m–12.4 m (3'11"–40'8")
Screen aspect ratio	16:9 (4:3 compatible)
Resolution	RGB: 1,920 x 1,080 pixels
Scanning frequency for 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)/50p, 1,125 (1,080)/60p, 1,125 (1,080)/50i, 1,125 (1,080)/60i, 1,125 (1,080)/60p
Colour system	PAL, PAL-M, PAL-N, PAL 60, SECAM, NTSC, NTSC 4.43
Optical axis shift*5	Horizontal $\pm 40\%$ and vertical $\pm 100\%$
Keystone correction range	Vertical: approx. $\pm 30^\circ$
Installation	Ceiling/desk, front/rear (menu selection)
OSD languages	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Swedish, Danish, Norwegian, Polish, Czech, Hungarian, Portuguese, Thai
Terminals	
S-VIDEO IN	Mini DIN 4-pin x 1
VIDEO IN	RCA pin x 1
PC (RGB) IN	D-sub HD 15-pin (female) x 1
COMPONENT IN	
PT-AE1000U	RCA pin (Y, Pb/Cb, Pr/Cr) x 2
PT-AE1000E	RCA pin (Y, Pb/Cb, Pr/Cr) x 1
SCART IN	21-pin x 1 for PT-AE1000E only
HDMI IN	19-pin HDMI connector x 1
SERIAL	D-sub 9-pin x 2 (RS-232C based)

Power cord length	3 m (9'10")
Cabinet material	ABS/PC
Dimensions*6	
(W x H x D)	460 x 130 x 300 mm (18-1/8" x 5-1/8" x 11-25/32")
Weight	7.2 kg (15.9 lbs.)
Operating environment	Temperature: 0°–40°C (32°–104°F) Humidity: 20%–80% (no condensation)
Remote control unit	
Power supply	3 V DC (UM-3 (AA) battery x 2)
Operation range	Approx. 7 m (23') when operated from directly in front of the signal receptor
Dimensions	52 x 200 x 28.5 mm
(W x H x D)	(2-1/16" x 7-27/32" x 1-1/8")
Weight	170 g (6 oz.) (including batteries)
Supplied accessories	Power cord, Wireless remote control unit, Batteries for remote control (UM-3 x 2)
Optional accessories	
ET-LAE1000	Replacement lamp unit
ET-PKE1000S	Ceiling mount bracket
ET-PKX100	Ceiling mount bracket for high ceilings
ET-PCE1000	Cable cover

*1: For an LCD projector with 1,100 lumens of brightness or more, as of September 2006.

*2: 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.

*3: 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.

*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>

Please contact Panasonic or your dealer for a demonstration.



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