

# Panasonic

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# PT-AE1000

Full High Definition  
Home Cinema Projector

PRELIMINARY

1080p Full HD. Professional Quality.



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# 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

<b>Power supply</b>	100–240 V AC, 50/60 Hz
<b>Power consumption</b>	240 W (Approx. 0.08 W in standby mode with fan stopped)
<b>LCD panel*2</b>	
<b>Panel size</b>	0.74" diagonally
<b>Aspect ratio</b>	16:9 aspect ratio
<b>Display method</b>	Transparent LCD panel (x 3, R/G/B)
<b>Drive method</b>	Active matrix
<b>Pixels</b>	2,073,600 (1,920 x 1,080) x 3, total of 6,220,800 pixels
<b>Lens</b>	Powered zoom (2x)/powered focus, F 1.9–3.2, f 22.4 mm–44.8 mm
<b>Lamp*3</b>	165 W UHM™ lamp
<b>Brightness</b>	1,100 lumens*4
<b>Contrast</b>	11,000:1*4 (full on/full off)
<b>Center-to-corner uniformity ratio</b>	85%
<b>Colors</b>	Full color (1,070,000,000 colors)
<b>Projection size</b>	1,016–5,080 mm (40–200 inches) diagonally, 16:9 aspect ratio
<b>Throw distance</b>	1.2 m–12.4 m (3'11"–40'8")
<b>Screen aspect ratio</b>	16:9 (4:3 compatible)
<b>Resolution</b>	RGB: 1,920 x 1,080 pixels
<b>Scanning frequency for RGB</b>	Horizontal: 30–70 kHz, Vertical: 50–87 Hz

<b>YPbPr signal compatibility</b>	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
<b>Colour system</b>	PAL, PAL-M, PAL-N, PAL 60, SECAM, NTSC, NTSC 4.43
<b>Optical axis shift*5</b>	Horizontal $\pm 40\%$ and vertical $\pm 100\%$
<b>Keystone correction range</b>	Vertical: approx. $\pm 30^\circ$
<b>Installation</b>	Ceiling/desk, front/rear (menu selection)
<b>OSD languages</b>	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Swedish, Danish, Norwegian, Polish, Czech, Hungarian, Portuguese, Thai
<b>Terminals</b>	
<b>S-VIDEO IN</b>	Mini DIN 4-pin x 1
<b>VIDEO IN</b>	RCA pin x 1
<b>PC (RGB) IN</b>	D-sub HD 15-pin (female) x 1
<b>COMPONENT IN</b>	
<b>PT-AE1000U</b>	RCA pin (Y, Pb/Cb, Pr/Cr) x 2
<b>PT-AE1000E</b>	RCA pin (Y, Pb/Cb, Pr/Cr) x 1
<b>SCART IN</b>	21-pin x 1 for PT-AE1000E only
<b>HDMI IN</b>	19-pin HDMI connector x 1
<b>SERIAL</b>	D-sub 9-pin x 2 (RS-232C based)

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