Panasonic
ideas for life

PT-AE900U

High Definition Home Cinema Projector

Preliminary

Experience the Ultimate in Professional Quality

- New Dynamic Iris for world's first* 5500:1 contrast ratio and deeper, richer blacks
- Cinema Color Management technology
- New Smooth Screen technology
- New Dynamic Sharpness Control
- User equalizing function and seven picture modes
- Easy to set up using 2x optical zoom lens and vertical and horizontal lens shift
- One remote control does it all!
- Numerous connection options including HDMI input and serial terminal

* For an LCD projector producing 1,100 lumens or more, as of September 2005.

PT-**AE900**U

High Definition Home Cinema Projector

Producing stunning, superior images demands advanced technology

New Dynamic Iris for world's first* 5500:1 contrast ratio and deeper, richer blacks

Dynamic Iris, with scene-tracking capability, was exclusively developed by Panasonic. The iris range in the PT-AE900 is expanded by 30% compared to conventional models, delivering a stunningly high contrast ratio of 5500:1 and blacks with a richness and sharpness you'd expect to see only at the cinema.

* For an LCD projector producing 1,100 lumens or more, as of September 2005.

Cinema Color Management technology enables precise color reproduction

Advanced color correction technology controls both contrast and brightness to provide faithful reproduction of subtle hues. With Cinema Color Management technology, correction of individual colors becomes possible without affecting the colors in the surrounding parts of the picture.

New Smooth Screen technology delivers smoother and more natural images

Producing smoother images, this technology eliminates the "chicken wire effect" caused by black lines between pixels. This, combined with the new LCD panel of the PT-AE900, removes the blurriness and flickering of horizontal black lines during vertical panning.

New Dynamic Sharpness Control for crisp, natural images

Dynamic Sharpness Control adjusts the application of sharpness to neighbouring picture elements—diagonally as well as vertically and horizontally adjacent pixels—in response to differences in brightness. The PT-AE900 also has a newly redesigned sharpness filter for images with even cleaner, sharper edges.

Easy to set up using 2x optical zoom lens and vertical and horizontal lens shift

The 2x optical zoom lens allows the PT-AE900 to project a 100-inch (diagonal) big screen image from a distance of as little as 3 meters to as far as an amazing 6 meters. Vertical and horizontal lens shift allows you to adjust the positioning of the picture by simple joystick operation without moving the projector. Technologies such as these can accommodate any setup layout and screen dimensions.

One remote control does it all!

The PT-AE900 comes with a learning remote control that can memorise the functions of up to eight home theatre components. Now you can control your entire home theatre system with a single remote.

SPECIFICATIONS

Power supply:	100–240 V AC, 50/60 Hz
Power consumption:	180 W (Approx. 0.8 W in standby mode with fan stopped)
Optical system:	Dichroic mirror separation/prism synthesis system
LCD panel*1:	**Panel size:** 0.7″ (diagonal) (16:9 aspect ratio) **Display method:** Transparent LCD panel (x 3, R/G/B) **Drive method:** Active matrix **Pixels:** 921,600 (1280 x 720) x 3, total of 2,764,800 pixels **Pixel configuration:** Stripe
Lens:	Manual zoom (1 - 2.0) / Manual focus F 1.9 - 3.1, f 21.7 mm - 43.1 mm
Lamp*2:	130 W UHM™ lamp
Screen size:	1,016–7,620 mm (40–300 inches) diagonally, 16:9 aspect ratio
Colors:	Full color (1,070,000,000 colors)
Color system:	PAL, PAL-M, PAL-N, PAL 60, SECAM, NTSC, NTSC 4.43
Screen aspect ratio:	16:9 (4:3 compatible)
Brightness:	1,100 lumens*3
Center-to-corner uniformity ratio:	85%
Contrast:	5,500:1*3 (full on/full off)
Resolution:	RGB: 1280 x 720 pixels (1920 x 1080 pixels with compression)
Scanning frequency:	**RGB:** Horizontal: 30–70 kHz, Vertical: 50–87 Hz **YPBPR:** 480i (525i): fH 15.75 kHz; fV 60 Hz 576i (625i): fH 15.63 kHz; fV 50 Hz 480p (525p): fH 31.5 kHz; fV 60 Hz 576p (625p): fH 31.25 kHz; fV 50 Hz 720p (750p): fH 45 kHz; fV 50 Hz 720p (750p): fH 45 kHz; fV 60 Hz 1080i (1125i): fH 33.75 kHz; fV 60 Hz 1080i (1125i): fH 28.125 kHz; fV 50 Hz **S-Video/Video:** fH 15.625 kHz; fV 50 Hz (PAL, SECAM, PAL-N) fH 15.75 kHz; fV 60 Hz (NTSC, NTSC 4.43, PAL-M, PAL 60)
Optical axis shift:	Horizontal and Vertical
Keystone correction range:	Horizontal: approx. ±30°
Installation:	Ceiling/desk, front/rear (menu selection)
Language:	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Swedish, Danish, Norwegian, Polish, Czech, Hungarian, Portuguese, Thai
Terminals:	HDMI IN: 19-pin x 1 PC (RGB) IN: D-sub HD 15-pin (female) x 1 R, G, B: 0.7 Vp-p (1.0 Vp-p for Sync on G), 75 Ω HD/VD/SYNC: TTL, high impedance (positive/negative polarity) COMPONENT IN: RCA pin (Y, PB/CB, PR/CR) x 2, Y: 1.0 p-p, 75 Ω PB/PR (CB/CR): 0.7 Vp-p, 75 Ω VIDEO IN: RCA pin x 1, 1.0 Vp-p, 75 Ω S-VIDEO IN: Mini DIN 4-pin x 1, Y: 1.0 Vp-p, C: 0.286 Vp-p, 75 Ω SERIAL (out): Mini DIN 8-pin (female) x 1 (RS232C based)
Power cord length:	3 m
Cabinet material:	ABS/PC
Dimensions*4 (W x H x D):	13-3/16″ x 3-23/32″ x 10-5/8″ (335 x 95 x 270 mm)
Weight:	7.9 lbs. (3.6 kg)
Operating environment:	Temperature: 32°–104°F (0°–40°C) Humidity: 20%–80% (no condensation)
Remote Control Unit:	Power supply: 3 V DC (UM-3 (AAA) battery x 2) Operation range: Approx. 7 m when operated from directly in front of the signal receptor Dimensions (W x H x D): 2-1/20″ x 7-27/32″ x 1-1/8″ (52 x 200 x 28.5 mm) Weight: 6 oz. (170 g) (including batteries)
Supplied accessories:	Power cord, Wireless remote control unit, Batteries for remote control (UM-3 x 2)

*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 to provide the finest possible image. 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 *4: Excluding protrusions

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Please contact Panasonic or your dealer for a demonstration.

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