

## Immersive Large Screen Full HD 3D Excitement



The PT-AT5000E has been redesigned from the ground up to achieve higher basic 2D performance and packed with unique 3D features to deliver the 3D quality demanded by the Hollywood professionals.

### Stunning Picture Quality with Excellent Dynamic Range

- Outstanding 300,000:1 contrast ratio and 2,000 lumens of brightness.
- 1080p (1,920 x 1,080 pixel) resolution
- New 200W Red-Rich Lamp increases red luminance and output to produce brighter images with excellent colours.
- High-precision optical system features original aspherical lenses, new 480Hz compatible LCD panels with a larger aperture ratio, and fully re-engineered Pure Contrast Plates, Pure Colour Filter Pro, Dynamic Iris Pro and HD-optimised Smooth Screen.
- 7 different picture modes (normal, dynamic, Rec. 709, D-cinema, cinema 1, cinema 2 and game mode for reduced frame delay) automatically detect 2D, 3D signal for optimised picture quality

### Comfortable 3D Viewing Experience

- New 480-Hz panel drive system and carefully tuned Overdrive Technology significantly reduces 3D crosstalk (double images).
- 2D high quality image processing, including Frame Creation and Detail Clarity Processor, can now be enjoyed in 3D with the incorporation of the newly developed dual core processing engine.
- Safe 3D viewing is assured by 9-mode screen size selection, Panasonic's proprietary 3D Viewing Monitor for adjustment of depth-of-field, and 3D Picture Balance capability with dual Waveform Monitor.
- 2D-3D Conversion feature with five different 3D effect selections.
- Compatible 3D input format include frame packing, side by side, top and bottom and native signals.
- Precisely tuned 3D projection for the Panasonic VIERA 3D Eyewear (sold separately).
- A built-in 3D Eyewear shutter control IR transmitter.
- Optional 3D IR transmitter with longer transmission range for more setting flexibility.

### Customisation and Installation Flexibility

- Intelligent Lens Memory with auto detection: automatic image size optimization between 16:9 and 2.35:1 video content.
- Professional-level features for 2D images: Waveform Monitor, Advanced Gamma Adjustment, Split Adjust, Cinema Colour Management Premium, Point Colour Correction, Six Colour Correction mode.
- Three HDMI™ inputs (supporting x.v.Colour™ and Deep Colour)
- Two programmable 12-volt trigger terminals and VIERA Link®.
- 2x optical power zoom/focus
- H/V lens shift (horizontal  $\pm 26\%$ , vertical  $\pm 100\%$ )
- Environment-friendly, extremely low standby power consumption of 0.08 W.
- Easy filter/lamp replacement
- Made in Japan

## Specifications (Tentative)

<b>Power supply</b>	100–240 V AC, 50/60 Hz	<b>Terminals</b>	
<b>Power consumption</b>	285 W (0.08 W in standby mode with fan stopped.)	<b>HDMI IN</b>	HDMI connector × 3, HDMI™ (Deep Colour, x.v.Colour™*7, CEC*8), HDCP compliant, supports HDAVI Control Version 5
<b>LCD*1 panel</b>		<b>COMPUTER (RGB) IN</b>	D-sub HD 15-pin (female) × 1 (RGB/YPbPr × 1)
<b>Panel size</b>	18.7 mm (0.74 in) diagonal (16:9 aspect ratio)	<b>COMPONENT IN</b>	RCA pin × 3 (YPbPr/YCbCr)
<b>Display method</b>	Transparent LCD panel (× 3, R/G/B)	<b>TRIGGER IN/OUT</b>	12 V, max. 100 mA (input/output/3D transmitter output selectable using on-screen menu)
<b>Drive method</b>	Active matrix	<b>VIDEO IN</b>	RCA pin × 1
<b>Pixels</b>	2,073,600 (1,920 × 1,080) × 3, total of 6,220,800 pixels	<b>S-VIDEO IN</b>	Mini DIN 4-pin × 1
<b>Lamp*2</b>	200 W UHM lamp	<b>SERIAL IN</b>	D-sub 9-pin × 1 for external control (RS-232C compliant)
<b>Lens</b>	Powered zoom/focus lenses (1.35:1–2.7:1), F 1.9–3.2, f 22.4–44.8 mm	<b>Power cord length</b>	3.0 m (9 ft 10 in)
<b>Projection size</b>		<b>Cabinet materials</b>	Moulded plastic (PC+ABS)
<b>2D projection</b>	1.02–7.62 m (40–300 inches)	<b>Dimensions (W × H × D)</b>	470 mm × 137 mm × 345 mm*9 (18-17/32" × 5-13/32" × 13-19/32")*9
<b>3D projection</b>	1.02–5.08 m (40–200 inches)	<b>Weight*10</b>	Approx. 8.7 kg (19.2 lbs)
<b>Throw distance</b>	1.16–18.08 m (3 ft 10 in to 59 ft 4 in)	<b>Operating temperature</b>	0°–40°C (32°–104°F)
<b>Colours</b>	Full colour (1,073,741,824 colours)	<b>Operating humidity</b>	20%–80% (no condensation)
<b>Brightness*3</b>	2,000 lumens*4	<b>Remote control unit</b>	
<b>Centre-to-corner uniformity ratio*3</b>	85%	<b>Power supply</b>	3 V DC (R6/AA type battery × 2)
<b>Contrast ratio*3</b>	300,000:1*5 (full on/full off)	<b>Operation range*11</b>	Approx. 7 m (23 ft) when operated from directly in front of the signal receptor
<b>Resolution</b>	1,920 × 1,080 pixels	<b>Dimensions (W × H × D)</b>	48 × 138 × 28.3 mm (1-7/8" × 5-7/16" × 1-1/8")
<b>Scanning frequency</b>		<b>Weight</b>	Approx. 125 g (4.4 oz) (including batteries)
<b>RGB</b>	fh: 15 kHz–74 kHz, fv: 24 Hz–85 Hz, dot clock: 154 MHz or lower	<b>Supplied accessories</b>	Power cord (× 1) Wireless remote control unit (× 1) Batteries for remote control (R6/AA type × 2) Lens cover (× 1)
<b>YPbPr (YCbCr)</b>	480i (525i), 576i (625i), 480p (525p), 576p (625p), 720 (750)/60p, 720 (750)/50p, 1080 (1125)/60i, 1080 (1125)/50i, 1080 (1125)/24p, 1080 (1125)/60p, 1080 (1125)/50p	<b>Optional accessories</b>	
<b>Video/S-Video</b>	fh: 15.75 kHz, fv: 60 Hz [NTSC/NTSC4.43/PAL-M/PAL60] fh: 15.63 kHz, fv: 50 Hz [PAL/PAL-N/SECAM] Vertical: ±100%, horizontal: ±26% Vertical: approx. ±30°	Replacement lamp unit	ET-LAA310
<b>Optical axis shift*6</b>		Ceiling mount bracket for high ceilings	ET-PKA110H
<b>Keystone correction range</b>		Ceiling mount bracket for low ceilings	ET-PKA110S
<b>Installation</b>	Ceiling/desk, front/rear (menu selection)	3D eyewear	TY-EW3D2L*12 TY-EW3D2M*12 TY-EW3D2S*12
<b>On-screen menu languages</b>	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Swedish, Danish, Norwegian, Polish, Czech, Hungarian, Portuguese, Thai, Japanese	3D IR transmitter	ET-TRM110

- \*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 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.

- \*4 In dynamic mode, with dynamic iris on.
- \*5 In cinema 1 mode, with dynamic iris on.
- \*6 Shift range is limited during simultaneous horizontal and vertical shifting.
- \*7 Effective in Rec. 709 picture mode.
- \*8 CEC is an abbreviation for Consumer Electronics Control. Operation may not be possible with some connected equipment or settings.
- \*9 Lens and legs not included.
- \*10 Average value. May differ depending on models.
- \*11 Operation range differs depending on environments.
- \*12 Suffix to the model names differ from region to region.

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For more information about Panasonic projectors  
<http://panasonic.net/avc/projector>



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