


**Panasonic**  
BUSINESS


**PT-SX320A Series**  
LCD Projectors  
PT-SX320A/SX300A/SW280A

Go-Anywhere  
LCD Portable Projector




 **A4-file-size and approx. 2.3 kg body**




 **Clear images in bright places**



 **Projects in various locations**



 **Easy projection from a wireless device**



# Excellent Performance and Flexibility in a Compact Body

The PT-SX320A Series are stylish, compact projectors for corporate users. They provide the ideal level of brightness for use in brightly lit places. They also offer wireless option\* and other excellent functions. \* The optional ET-WML100E Wireless Module is required.

## Easy to Carry

The PT-SX320A Series provide portability with an A4-file-size, approximately 2.3 kg stylish compact body.



Only 4.4 liters!

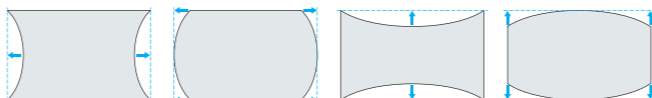
## Easy Operation

### Corner Keystone Correction Enables Angled Projection

All you need to do is designate four points as the corners of the projected image, and this function easily carries out horizontal and vertical keystone correction.

### Curved Screen Correction

Barrel and pincushion distortions are easily corrected when projecting onto a curved screen.



### Easy Lamp and Filter Replacement

For easier maintenance, you can replace the lamp from the top of the unit and the air filter from the side, even after the projector is installed on the ceiling. This eliminates the need to detach the projector from its mounting bracket in ceiling-mounted applications.



## Flexible Usability

### Easy Wireless Projection by Optional Module

Simply inserting the optional ET-WML100E Wireless Module into the USB port on the projector enables easy wireless projection from Windows PCs, iOS devices, or Android devices on which the proper firmware is installed.



### Presenter Light 1.0 for Windows® PCs

- Pictures, videos, and any documents including PDF files/Power Point files, whatever are displayed on the PC screen can be projected.
- The images from up to four PCs can be projected simultaneously.

### 4-Window Multi Style



### VueMagic™ Pro\* for iOS/Android Devices

- Pictures, some documents including PDF files can be projected.
  - Live camera mode / Annotate mode can be used.
  - The images from up to four devices can be projected simultaneously.
- \*VueMagic™ Pro is a product of Pixelworks, Inc. For detailed information, refer to the following website: <http://vuemagic.pixelworks.com>

### Memory Viewer Light Function

Just insert a USB memory device into the projector and start projection straight away. There is no need for a PC. JPEG, BMP, PNG, GIF and TIFF images can be projected.

## Intelligent Power Management Allows Resistance to Sudden Voltage Fluctuations\*1

Momentary power outages\*2 or voltage drops\*3 can cause the projector to shut down, interrupting the projection. The PT-SX320A Series equipped with the Intelligent Power Management function controls the power supply to cope with power fluctuations, to enable continued projection.

\*1 Fluctuations may occur in the electricity power supply except the power outage. \*2 Continuing 0 V power supply during several tens of milliseconds. \*3 Power supply voltage reduction. Excluding momentary power outage.

## Direct Power Off

Unplug the power cord right after use by Direct Power Off. The internal cooling fan keeps operating using the internal power supply and automatically stops when cooled.



## Excellent Performance

### Daylight View Basic

This function ensures easy, comfortable viewing of presentations in bright rooms. Using a built-in ambient light sensor, it adjusts halftone colors and brightness levels to match ambient lighting.



## A Variety of Useful Features

### Equipped with an HDMI Input Terminal and Abundant Interfaces

Supports a wide range of system architectures. Include an HDMI input terminal, a computer input terminal, and a USB connector.



### Other Useful Features

- White board Mode
- Startup logo
- Built-in 1 W speaker
- Security bar for theft prevention

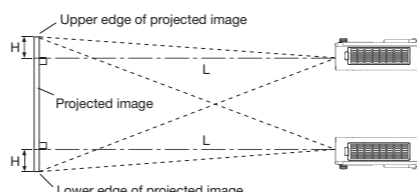
### Eco-friendly

- Ecology-conscious design
- No halogenated flame retardants are used in the cabinet
- Lead-free glass is used for the lens.
- Coating-free cabinet for easy recycling.
- Switchable lamp mode

## Projection distance unit: feet [meters]

| Diagonal image size | Projection distance (L) (4:3 aspect ratio) |             | Height from the edge of screen to center of lens (H) |
|---------------------|--|-------------|--|
|                     | min. (wide)                                | max. (tele) |  |
| 33" [0.84]          |  |             | 0.259 [0.084]  |
| 40" [1.02]          | 3.7 [1.1]                                  | 4.7 [1.4]   | 0.314 [0.102]  |
| 50" [1.27]          | 4.7 [1.4]                                  | 5.6 [1.7]   | 0.391 [0.127]  |
| 60" [1.52]          | 5.6 [1.7]                                  | 6.1 [2.1]   | 0.448 [0.152]  |
| 70" [1.78]          | 6.6 [2.0]                                  | 7.1 [2.4]   | 0.548 [0.178]  |
| 80" [2.03]          | 7.6 [2.3]                                  | 9.2 [2.8]   | 0.625 [0.203]  |
| 90" [2.29]          | 8.6 [2.6]                                  | 10.2 [3.1]  | 0.706 [0.229]  |
| 100" [2.54]         | 9.6 [2.9]                                  | 11.5 [3.5]  | 0.783 [0.254]  |
| 120" [3.05]         | 11.5 [3.5]                                 | 13.9 [4.2]  | 0.940 [0.305]  |
| 150" [3.81]         | 14.4 [4.4]                                 | 17.0 [5.2]  | 1.174 [0.381]  |
| 200" [5.08]         | 19.0 [5.8]                                 | 22.1 [7.0]  | 1.565 [0.508]  |
| 250" [6.35]         | 23.1 [7.3]                                 | 28.6 [8.7]  | 1.956 [0.635]  |
| 300" [7.62]         | 28.6 [8.7]                                 | 34.5 [10.5] | 2.348 [0.762]  |

| Diagonal image size | Projection distance (L) (16:10 aspect ratio) |             | Height from the edge of screen to center of lens (H) |
|---------------------|--|-------------|--|
|                     | min. (wide)                                  | max. (tele) |  |
| 33" [0.84]          |  |             | 0.136 [0.044]  |
| 40" [1.02]          | 3.1 [1.2]                                    | 4.1 [1.5]   | 0.166 [0.054]  |
| 50" [1.27]          | 4.1 [1.5]                                    | 5.1 [1.8]   | 0.206 [0.067]  |
| 60" [1.52]          | 5.1 [1.8]                                    | 7.2 [2.2]   | 0.250 [0.081]  |
| 70" [1.78]          | 6.1 [2.1]                                    | 8.6 [2.6]   | 0.290 [0.094]  |
| 80" [2.03]          | 8.2 [2.5]                                    | 9.6 [2.9]   | 0.333 [0.108]  |
| 90" [2.29]          | 9.2 [2.8]                                    | 10.1 [3.3]  | 0.373 [0.121]  |
| 100" [2.54]         | 10.1 [3.1]                                   | 12.2 [3.7]  | 0.416 [0.135]  |
| 120" [3.05]         | 12.2 [3.7]                                   | 14.4 [4.4]  | 0.499 [0.162]  |
| 150" [3.81]         | 15.1 [4.6]                                   | 18.1 [5.5]  | 0.622 [0.202]  |
| 200" [5.08]         | 20.4 [6.2]                                   | 24.3 [7.4]  | 0.829 [0.269]  |
| 250" [6.35]         | 25.3 [7.7]                                   | 30.6 [9.3]  | 1.038 [0.337]  |
| 300" [7.62]         | 30.6 [9.3]                                   | 36.5 [11.1] | 1.245 [0.404]  |



- The value for L (distance to screen) varies slightly depending on the zoom lens characteristics.
- At the shortest projection distance, the zoom lens characteristics may cause slight image distortion.



Photo shows the PT-SX320A/SX300A



Photo shows the PT-SW280A

- PT-SX320A**  
XGA 3,200 lm
- PT-SX300A**  
XGA 3,000 lm
- PT-SW280A**  
WXGA 2,800 lm

| Specifications                   |   |   |   |
|----------------------------------|---|---|---|
| Model                            | PT-SX320A Series  |   |   |
|                                  | PT-SX320A   | PT-SX300A   | PT-SW280A   |
| Power supply                     | AC100-240 V 50 Hz/60 Hz   |   |   |
| Power consumption                | 295 W (0.5 W when STANDBY MODE set to ECO, 8W when STANDBY MODE set to Normal.)   |   |   |
| LCD panel                        | Panel size  | 16 mm (0.63 inches) diagonal (4:3 aspect ratio)   | 15.0 mm (0.59 inches) diagonal (16:10 aspect ratio)   |
|                                  | Display method  | Transparent LCD panel (× 3, R/G/B)  |   |
|                                  | Drive method  | Active matrix   |   |
|                                  | Pixels  | 786,432 (1,024 × 768) pixels  | 1,024,000 (1,280 × 800) pixels  |
| Lens                             | Manual zoom (1.2 ×), Manual focus lens, F=1.65-1.93, f=18.53-22.18 mm, Throw Ratio: 1.4-1.7:1   |   |   |
| Screen size                      | 0.84-7.62 m (33-300 inches) diagonally  |   |   |
| Resolution                       | 1,024 × 768 pixels<br>(Input signals that exceed this resolution will be converted to 1,024 × 768 pixels.)  |   | 1,280 × 800 pixels (Input signals that exceed this resolution will be converted to 1,280 × 800 pixels.) |
| Brightness* (Lamp power: Normal) | 3,200 lm  | 3,000 lm  | 2,800 lm  |
| Lamp                             | 230 W UHM lamp  |   |   |
| Lamp replacement cycle           | Normal: 4000 h/Eco: 5000 h (This value is calculated by continuously turning the lamp on for 3.5 hours and off for 0.5 hours.)  |   |   |
| Center-to-corner uniformity*     | 80 %  |   |   |
| Contrast*                        | 2,000:1 (Lamp control: Normal, Image mode: Dynamic, Auto Powersave: Off)  |   |   |
| Scanning frequency               | HDMI  | 525i (480p)*, 625i (576i)*, 525p (480p), 625p (576p), 750 (720)/60p, 750 (720)/50p, 1125 (1080)/24p, 1125 (1080)/24sF, 1125 (1080)/60i, 1125 (1080)/50i, 1125 (1080)/25p, 1125 (1080)/30p, 1125 (1080)/60p, 1125 (1080)/50p<br>Dot clock: 25-162 MHz (640 × 400 pixels to 1920 × 1200 pixels) * Pixel-Repetition signal (dot clock frequency 27.0 MHz) only   |   |
|                                  | RGB   | fr: 15-91 kHz, fv: 24-85 Hz, dot clock: 162 MHz or lower  |   |
|                                  | YPbPr (YCaCa)   | fr: 15.7 kHz, fv: 59.9 Hz [525i (480i)], fr: 15.6 kHz, fv: 50.0 Hz [625i (576i)], fr: 31.5 kHz, fv: 59.9 Hz [525p (480p)], fr: 31.3 kHz, fv: 50.0 Hz [625p (576p)], fr: 45.0 kHz, fv: 60.0 Hz [750 (720)/60p], fr: 37.5 kHz, fv: 50.0 Hz [750 (720)/50p], fr: 33.8 kHz, fv: 60.0 Hz [1125 (1080)/60i], fr: 28.1 kHz, fv: 50.0 Hz [1125 (1080)/50i], fr: 28.1 kHz, fv: 25.0 Hz [1125 (1080)/25p], fr: 27.0 kHz, fv: 24.0 Hz [1125 (1080)/24p], fr: 27.0 kHz, fv: 48.0 Hz [1125 (1080)/24sF], fr: 33.8 kHz, fv: 30.0 Hz [1125 (1080)/30p], fr: 67.5 kHz, fv: 60.0 Hz [1125 (1080)/60p], fr: 56.3 kHz, fv: 50.0 Hz [1125 (1080)/50p] |   |
|                                  | Video/S-Video   | fr: 15.7 kHz, fv: 59.9 Hz [NTSC/NTSC4.43/PAL-M/PAL60], fr: 15.6 kHz, fv: 50.0 Hz [PAL/SECAM/PAL-N]  |   |
| Keystone correction range        | Vertical  | ±30°  |   |
|                                  | Horizontal  | ±30°  |   |
| Installation                     | Ceiling/floor, front/rear   |   |   |
| Terminals                        | HDMI IN   | HDMI 19-pin × 1, Deep Color, compatible with HDCP, Audio signal: Linear PCM (sampling frequencies: 48 kHz, 44.1 kHz, 32 kHz)  |   |
|                                  | COMPUTER IN   | D-sub HD 15-pin (female) × 1, compatible with RGB/YPbPr (YCaCa)/YC  |   |
|                                  | RGB   | 0.7 Vp-p, 75 ohms (SYNC IN GREEN: 1.0 Vp-p, 75 ohms), SYNC/HD: TTL high impedance, automatic positive/negative polarity compatible, VD: TTL high impedance, automatic positive/negative polarity compatible (The SYNC/HD and VD terminals do not support 3 value SYNC.)   |   |
|                                  | YPbPr   | Y: 1.0 Vp-p (including sync signal), Pb/Pr: 0.7 Vp-p, 75 ohms   |   |
|                                  | Y/C   | Y: 1.0 Vp-p, C: 0.286 Vp-p, 75 ohms   |   |
|                                  | VIDEO IN  | Pin jack × 1, 1.0 Vp-p, 75 ohms   |   |
|                                  | AUDIO IN  | M3 jack × 1   |   |
|                                  | SERIAL IN   | D-sub 9-pin (female) × 1 For external control (RS-232C compatible)  |   |
| VIEWER/WIRELESS                  | USB type A × 1 (output DC 5 V, max.500 mA) Memory Viewer / Wireless module (Model No.: ET-WML100E) compatible   |   |   |
| Built-in speaker                 | 1 W (monaural)  |   |   |
| Cabinet color                    | White   | Champagne gold  |   |
| Dimensions (W × H × D)           | 307 mm × 80 mm (when legs at shortest position) × 210 mm (12-3/32 × 3-5/32 × 8-1/4 inches)  |   |   |
| Weight                           | Approx. 2.3 kg (5.1 lbs)  |   |   |
| Operating environment            | Operating environment temperature: Normal use: 0 °C (32 °F) to 40 °C (104 °F) (Elevation: below 1,400 m (4,593 ft); When the ambient operating temperature is 35-40 °C (95-104 °F), [Lamp Power] will switch automatically to [Eco mode].)<br>0 °C (32 °F) to 35 °C (95 °F) (Elevation: 1,400 m (4,593 ft)-2,700 m (8,858 ft))<br>Operating environment humidity: 20-80 % (no condensation) |   |   |
| Supplied accessories             | • Wireless remote control unit (× 1) • Power cord (× 2) • Power cord safety hook • CD-ROM (× 1) --- Logo Transfer Software • Batteries for remote control (R03/LR03/AAA type battery (× 2)) • RGB signal cable (× 1)  |   |   |
| Optional accessories             | Ceiling Mount Bracket   | ET-PKB2   |   |
|                                  | Replacement Lamp Unit   | ET-LAL600   |   |
|                                  | Conversion Cable  | D-SUB/S-Video Conversion Cable: ET-ADSV   |   |
|                                  | Wireless Module   | ET-WML100E  |   |

## Optional accessories

Ceiling Mount Bracket  
ET-PKB2



Replacement Lamp Unit  
ET-LAL600



D-sub/S-Video Conversion Cable  
ET-ADSV

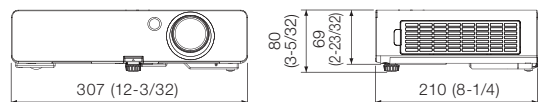


Wireless Module  
ET-WML100E



## Dimensions

unit: mm (inches)



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

## Caution

Do not install the projector in locations that are subject to excessive water, humidity, steam or oily smoke. Doing so may result in fire, malfunction or electric shock.

## NOTES ON USE

- The projector uses a high-voltage mercury lamp under high internal pressure. This lamp may break, emitting a popping sound, or fail to illuminate, due to impact or extended use.
- The high-wattage lamp becomes very hot during operation. Please observe the following precautions:
  - Never place objects on top of the projector while it is in operation.
  - Make sure there is an unobstructed space of 1000 mm (3 ft 3 in) or more around the projector's exhaust openings.
  - If the projector is placed in a box or enclosure, the temperature of the air surrounding the projector must match the operating temperature listed in the specifications table during use. Also, make sure the projector's intake and exhaust

- openings are not blocked. Ensure there is sufficient ventilation to prevent hot air from the exhaust openings being recirculated into the intake opening.
- The lamp replacement cycle duration becomes shorter if the projector is operated repeatedly for short periods.
  - The lamp replacement cycle varies greatly depending on individual lamp characteristics and usage conditions.
  - The brightness of the lamp will gradually decrease with use.
- Due to natural characteristics of lamps, screen brightness may fluctuate. This is not an indication of faulty lamp performance.

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Weights and dimensions shown are approximate. Specifications and appearance are subject to change without notice. Product availability differs depending on region and country. This product may be subject to export control regulations. The projection distances and throw ratios given in this brochure are for use only as guidelines. For more detailed information, please consult the dealer from whom you are purchasing the product. Windows® and Power Point® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. HDMI, the HDMI logo and High-Definition Multimedia Interface is a trademark or registered trademark of HDMI Licensing LLC. All other trademarks are the property of their respective trademark owners. Projection images simulated.  
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[http://panasonic.net/avc/visual\\_system/](http://panasonic.net/avc/visual_system/)

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