Panasonic

BUSINESS

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

Only 4.4 liters!

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

210 mm
69 mm*
307 mm
* 69 mm: legs not included

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.

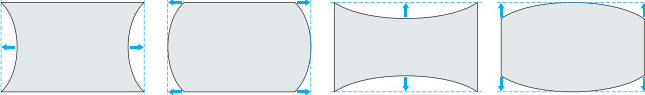Without Daylight View Basic   With Daylight View Basic

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

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 prevetion

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]

PT-SX320A/SX300A

Diagonal image size	Projection distance (L) (4:3 aspect ratio) min. (wide)	max. (tele)	Hight from the edge of screen to center of lens (H)
33˝ [0.84]	–	3.7 [1.1]	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]	0.468 [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]

PT-SW280A

Diagonal image size	Projection distance (L) (16:10 aspect ratio) min. (wide)	max. (tele)	Hight from the edge of screen to center of lens (H)
33˝ [0.84]	–	3.1 [1.2]	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]

Upper edge of projected image

L

Projected image

L

Lower edge of projected image

• 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.
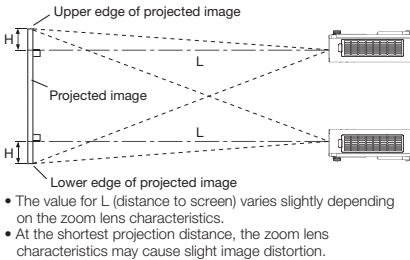
Photo shows the PT-SX320A/SX300A

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 (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 (480i)*, 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 Dot clock: 25–162 MHz (640 x 400 pixels to 1920 x 1200 pixels) * Pixel-Repetition signal (dot clock frequency 27.0 MHz) only		
	RGB	fн: 15–91 kHz, fv: 24–85 Hz, dot clock: 162 MHz or lower		
	YPʙPʀ (YCʙCʀ)	fн: 15.7 kHz, fv: 59.9 Hz [525i (480i)], fн: 45.0 kHz, fv: 60.0 Hz [750 (720)/60p], fн: 28.1 kHz, fv: 25.0 Hz [1125 (1080)/25p], fн: 67.5 kHz, fv: 60.0 Hz [1125 (1080)/60p],	fн: 15.6 kHz, fv: 50.0 Hz [625i (576i)], fн: 37.5 kHz, fv: 50.0 Hz [750 (720)/50p], fн: 27.0 kHz, fv: 24.0 Hz [1125 (1080)/24p], fн: 56.3 kHz, fv: 50.0 Hz [1125 (1080)/50p]	fн: 31.5 kHz, fv: 59.9 Hz [525p (480p)], fн: 33.8 kHz, fv: 60.0 Hz [1125 (1080)/60i], fн: 27.0 kHz, fv: 48.0 Hz [1125 (1080)/24sF],	fн: 31.3 kHz, fv: 50.0 Hz [625p (576p)], fн: 28.1 kHz, fv: 50.0 Hz [1125 (1080)/50i], fн: 33.8 kHz, fv: 30.0 Hz [1125 (1080)/30p],
	Video/S-Video	fн: 15.7 kHz, fv: 59.9 Hz [NTSC/NTSC4.43/PAL-M/PAL60], fн: 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/YPʙPʀ (YCʙCʀ)/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.)		
	YPʙPʀ	Y: 1.0 Vp-p (including sync signal), Pʙ/Pʀ: 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 x 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].) 0 °C (32 °F) to 35 °C (95 °F) (Elevation: 1,400 m (4,593 ft)–2,700 m (8,858 ft)) 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)

80 (3-5/32)
69 (2-23/32)
307 (12-3/32)
210 (8-1/4)

* 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

1. 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.
2. 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.
3. 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.
4. Due to natural characteristics of lamps, screen brightness may fluctuate. This is not an indication of faulty lamp performance.
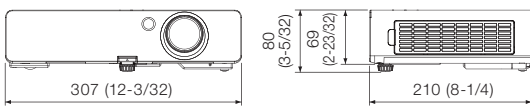
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All information included here is valid as of September 2016.

PT-SX320AG1 Printed in Japan.