

The Lightweight, Compact, Short Throw Projector Featuring an Extensive List of Functions, including an Interactive Feature*1



PT-TW331R	PT-TW330	PT-TW240	PT-TX301R	PT-TX300
3,100 lm	3,100 lm	2,700 lm	3,000 lm	3,000 lm
WXGA (1,280×800)	WXGA (1,280×800)	WXGA (1,280×800)	XGA (1,024×768)	XGA (1,024×768)
Interactive function	–	–	Interactive function	–

Superb Basic Performance in a Compact Body

- Short Throw projection lens; 80" at 90cm (2.95ft)*2 throw distance
- Up to 3,100 lm*3 of brightness in a compact body, weighing 2.7 kg or less
- High contrast ratio up to 4,000:1 produces images with excellent detail and depth
- A maximum 8,500-hour*4*5 lamp replacement cycle reduces your maintenance cost and time
- Quiet 29-dB*6 design does not disturb meetings or classes

Various Convenient Functions

- Interactive function*1, for presentations and lessons which are more effective and persuasive
- Many interface options, including HDMI and two sets of computer input terminals
- 8 W speaker enables audio playback directly from the projector
- "Wall Color Setting" provides five wall colors [blackboard (dark green), white, light yellow, light blue, pink], enabling easy projection on to different surfaces
- Compatible with Crestron Connected™
- Easy lamp replacement from the top of the projector
- "Security Bar" useful for protection against theft
- Projector identification system for remote control allocation of up to six projectors

Excellent and Eco Friendly Performance

- Intelligent Lamp Control System reduces power consumption
- Environmentally friendly standby power consumption of 0.5 W*7

*1 PT-TW331R/TX301R.

*2 PT-TW331R/TW330/TW240.

*3 PT-TW331R/TW330.

*4 This is the maximum value when the lamp power is set to Auto mode where the lamp is turned on for 2 hours and off for 0.25 hours. If the lamp is turned on more times or kept on for a long time, the lamp replacement cycle will shorten. The usage environment affects the duration of the lamp.

*5 PT-TW240.

*6 The lamp power is set to Eco. For PT-TW331R/TW330/TX301R/TX300, set it to Eco1 or Eco2.

*7 When [LAN (standby)] / [VGA out (standby)] / [In standby mode (Audio)] are all set to [Off].

Specifications (Tentative)

Model	PT-TW331R	PT-TW330	PT-TW240	PT-TX301R	PT-TX300
Power supply	100–240 V AC, 50/60 Hz				
Power consumption	320 W (0.5 W when STANDBY MODE set to ECO,*1 6.0 W when STANDBY MODE set to NORMAL.)				
DLP™ chip	Panel size	16.5 mm (0.65 inches) (16:10 aspect ratio)		14 mm (0.55 inches) (4:3 aspect ratio)	
	Display method	DLP™ chip x 1 DLP™ system			
	Pixels	1,024,000 (1,280 x 800) pixels		786,432 (1,024 x 768) pixels	
Lens	Fixed(0.521:1 Throw ratio), manual focus, F 2.8, f 7.51mm			Fixed(0.626:1 Throw ratio), manual focus, F 2.8, f 7.26mm	
Lamp	240 W UHM lamp		190 W UHM lamp	240 W UHM lamp	
Lamp replacement cycle (Normal / Eco1, Eco2 / AUTO)	3,000 / 4,000 / 7,500 hours*2		4,000 / 6,000 / 8,500 hours*2	3,000 / 4,000 / 7,500 hours*2	
Screen size (diagonal)	0.76–7.62 m (30– 300 inches), 16:10 aspect ratio			0.76–7.62 m (30– 300 inches), 4:3 aspect ratio	
Brightness*3	3,100 lm		2,700 lm	3,000 lm	
Center-to-corner uniformity*3	80%				
Contrast*3	4,000 : 1 (full on/off)(During RGB signal input, Color mode : Dynamic, Lamp power:Normal)				
Resolution	1,280 × 800 pixels (Input signals that exceed this resolution will be converted to 1,280 × 800 pixels.)			1,024 × 768 pixels (Input signals that exceed this resolution will be converted to 1,024 × 768 pixels.)	
Optical axis shift	10:-1.2			10:-1.5	
Scanning frequency	HDMI	fh: 15 kHz – 100 kHz, fv: 24 Hz –120 Hz, dot clock: 25 MHz –162 MHz			
	RGB (analog)	fh: 15 kHz – 100 kHz, fv: 24 Hz –120 Hz, dot clock: 165 MHz or lower			
	YPbPr (Y/C/Ca)	fh: 15.75 kHz, fv: 60 Hz [480i(525i)], fh: 45.00 kHz, fv: 60 Hz [720(750)/60p], fh: 27.00 kHz, fv: 24 Hz [1080(1125)/24p]	fh: 15.63 kHz, fv: 50 Hz [576i(625i)], fh: 37.50 kHz, fv: 50 Hz [720(750)/50p], fh: 67.50 kHz, fv: 60 Hz [1080(1125)/60p]	fh: 31.50 kHz, fv: 60 Hz [480p(525p)], fh: 33.75 kHz, fv: 60 Hz [1080(1125)/60p], fh: 56.25 kHz, fv: 50 Hz [1080(1125)/50p]	fh: 31.25 kHz, fv: 50 Hz [576p(625p)], fh: 28.13 kHz, fv: 50 Hz [1080(1125)/50i]
Video/S-Video	fh: 15.75 kHz, fv: 60 Hz [NTSC/NTSC4.43/PAL-M/PAL60] fh: 15.63 kHz, fv: 50 Hz [PAL/PAL-N/SECAM]				
Keystone correction range	Vertical: ±40° (manual)				
Installation	Ceiling/floor, front/rear				
Terminals	HDMI IN	HDMI 19-pin x 1 (Deep color, compatible with HDCP) Audio signal Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)			
	COMPUTER 1 IN	D-sub HD 15-pin (female) x 1 [RGB/YPB(Ca)/PR(Ca) x 1]			
	COMPUTER 2 IN	D-sub HD 15-pin (female) x 1 [RGB/YPB(Ca)/PR(Ca) x 1]			
	MONITOR OUT	D-sub HD 15-pin (female) x 1 (The signal selected from computer input 1/2 is output.)			
	VIDEO IN	Pin jack x 1			
	SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)			
	AUDIO 1 IN	M3 x 1 (L-R x 1)			
	AUDIO 2 IN	M3 x 1 (L-R x 1)			
	AUDIO OUT	M3 x 1 (L-R x 1)			
	LAN	RJ-45 x 1 (for network connection, 100BASE-TX/10BASE-T, compliant with PjLink™ (class 1))			
Built-in speaker	7 cm x 4 cm Oval x1 output power 8 W (Monaural)				
Cabinet materials	Molded plastic (PC)				
Dimensions (W × H × D)	288 x 99.8*4 x 220 mm (11-11/32" x 3-15/16" x 8-21/32")				
Weight	Approx.2.7 kg (6 lbs)*5	Approx.2.5 kg (5.5 lbs)*5		Approx.2.7 kg (6 lbs)*5	Approx.2.5 kg (5.5 lbs)*5
Noise level	36 dB (Lamp power: Normal); 29 dB (Lamp power: Eco1/Eco2)		35 dB (Lamp power: Normal); 29 dB (Lamp power: Eco)	36 dB (Lamp power: Normal); 29 dB (Lamp power: Eco1/Eco2)	
Operating environment	Operating temperature: 5°C – 40°C(41°F – 104°F) [Less than 750 m (2,500 ft) above sea level]; 5°C – 35°C(41°F – 95°F) [750 – 1,500 m (2,500 – 5,000 ft) above sea level] 5°C – 30°C(41°F – 86°F) [1,500 – 3,000 m(5,000 – 10,000 ft) above sea level] Operating humidity: 20% - 80% (no condensation)				
Supplied accessories	Power cord (3 m) x 1*6, Power cord cover x 1, Wireless remote control unit x 1, Lithium coin cell battery x 1, Computer cable (1.8m) x 1, Interactive pen x 2, Batteries (AAA type x 4), USB cable (5.0 m) x 1, Application software (Light Pen III) CD-ROM x 1	Power cord (3 m) x 1*6, Power cord cover x 1, Wireless remote control unit x 1, Lithium coin cell battery x 1, Computer cable (1.8m) x 1		Power cord (3 m) x 1*6, Power cord cover x 1, Wireless remote control unit x 1, Lithium coin cell battery x 1, Computer cable (1.8m) x 1, Interactive pen x 2, Batteries (AAA type x 4), USB cable (5.0 m) x 1, Application software (Light Pen III) CD-ROM x 1	Power cord (3 m) x 1*6, Power cord cover x 1, Wireless remote control unit x 1, Lithium coin cell battery x 1, Computer cable (1.8m) x 1

Optional accessories

Ceiling mount bracket*7

ET-PKV100H (for high ceilings)

ET-PKV100S (for low ceilings)

Bracket assembly

ET-PKL300B

Replacement lamp unit

ET-LAL340

(Exclusively for PT-TW331R/TW330/TX301R/TX300)

ET-LAL330

(Exclusively for PT-TW240)

Interactive pen

ET-PEN100

(Exclusively for PT-TW331R/TX301R)

Interactive pointer

ET-PNT100

(Exclusively for PT-TW331R/TX301R)

*1 When [LAN (Standby)]/[VGA Out (Standby)]/[In Standby Mode (Audio)] are all set to [Off].

*2 This is the maximum value when the lamp is turned on for 2 hours and off for 0.25 hours. If the lamp is turned on more times or kept on for a long time, the lamp replacement cycle will shorten. The usage environment affects the duration of the lamp.

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

*4 With legs at shortest position.

*5 The above values are averages. Actual values may be different according to the product.

*6 Power code (x2) for the PT-TW331REA/TW330EA/TW240EA/TX301REA/TX300EA.

*7 This product is used together with an optional bracket assembly (sold separately).

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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. The PjLink trademark is an application trademark in Japan, the United States, and other countries and regions or registered trademarks. DLP™ (Digital Light Processing), DLP™ Chip, DLP Medallion Logo and DLP™ Link™ are trademarks or registered trademarks of Texas Instruments. HDMI, the HDMI logo and High-Definition Multimedia Interface is a trademark or registered trademark of HDMI Licensing LLC. Crestron Connected is a registered trademarks of Crestron Electronics, Inc. All other trademarks are the property of their respective trademark owners. Projection images simulated. © 2013 Panasonic Corporation. All rights reserved.



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