Panasonic

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)	
DLP™ chip — Display method	DLP™ chip x 1 DLP™ system				
DLP™ chip — 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				
Scanning frequency — RGB (analog)	fH: 15 kHz – 100 kHz, fV: 24 Hz –120 Hz, dot clock: 165 MHz or lower				
Scanning frequency — YPBPR (YCBCR)	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)/60i], 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],	
Scanning frequency — 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)				
Terminals — COMPUTER 1 IN	D-sub HD 15-pin (female) x 1 [RGB/YPB(CB)/PR(CR) x 1]				
Terminals — COMPUTER 2 IN	D-sub HD 15-pin (female) x 1 [RGB/YPB(CB)/PR(CR) x 1]				
Terminals — MONITOR OUT	D-sub HD 15-pin (female) x 1 (The signal selected from computer input 1/2 is output.)				
Terminals — VIDEO IN	Pin jack x 1				
Terminals — SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)				
Terminals — AUDIO 1 IN	M3 x 1 (L-R x 1)				
Terminals — AUDIO 2 IN	M3 x 1 (L-R x 1)				
Terminals — AUDIO OUT	M3 x 1 (L-R x 1)				
Terminals — LAN	RJ-45 × 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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