Panasonic

PT-CW331R SERIES 1-CHIP DLP™ PROJECTORS

HIGH BRIGHTNESS ULTRA-SHORT THROW PROJECTORS WITH INTERACTIVE FUNCTION

PT- CW331R	PT- CW241R	PT- CX301R
3,100 lm	2,600 lm	3,100 lm
WXGA	WXGA	XGA

A wide variety of functions expands projector possibilities.

- These projectors are effective for presentations in classrooms and meeting rooms
- Projection onto a wide 80-inch screen with a short projection distance of 0.60m [*1]
- High brightness of 3,100 lm [*2] and high contrast ratio of 8,000:1 [*3]
- 3D projection makes classes, seminars and exhibitions more impressive
- The DLP™ system maintains long-lasting, stable performance

Superb Performance

- 10 W high-output speaker meet your meeting/seminar room needs
- Lamp replacement cycle of up to 5000 hours [*4]
- 0.5 W [*5] standby power consumption
- Extensive interfaces with an HDMI input terminal
- "Crestron RoomView™" compatible

Interactive Function

- Write or draw on the projected images with the interactive pen/pointer
- 2 users can write simultaneously
- 2 interactive pens provided (interactive pointer available as option)
- Auto calibration to reduce setting time
- Half screen mode to individually select colour and line width for each screen

Convenient Functions

- "Wall Colour Setting" convenient for a classroom with no screen
- Easy to replace lamp
- "Security Bar" useful for protection against theft
- Wireless remote control is convenient when using more than one projector

*1 For PT-CW331R and PT-CW241R

*2 PT-CW241R has brightness of 2,600 lm

*3 During RGB signal input, Lamp power : normal

*4 4000 hours for PT-C331R / PT-CX301R

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

Optional Accessories

Ceiling mount bracket for high ceilings*6
ET-PKV100H

Ceiling mount bracket for low ceilings*6
ET-PKV100S

Bracket assembly
ET-PKC200B

Wall mount bracket
ET-PKC200W

Replacement lamp unit
ET-LAC300
*Exclusively for PT-CW331R/CX301R

Replacement lamp unit
ET-LAC200
*Exclusively for PT-CW241R

Interactive pen
ET-PEN100

Interactive pointer
ET-PNT100

SPECIFICATIONS

Model		PT-CW331R	PT-CW241R	PT-CX301R
Power supply		100 – 240 V AC, 50/60 Hz		
Power consumption		340 W (0.5 W when STANDBY MODE set to ECO,*1 6.0 W when STANDBY MODE set to NORMAL.)	310 W (0.5 W when STANDBY MODE set to ECO,*1 6.0 W when STANDBY MODE set to NORMAL.)	340 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/manual focus F = 2.6 f = –5.27 mm		
Lamp		280 W UHM lamp (The lamp replacement cycle is 4,000 hours*2)	240 W UHM lamp (The lamp replacement cycle is 5,000 hours*2)	280 W UHM lamp (The lamp replacement cycle is 4,000 hours*2)
Screen size (diagonal)		1.78 – 2.54 m (70 – 100 inches) (16:10 aspect ratio)		1.52 – 2.29 m (60 - 90 inch) (4:3 aspect ratio)
Colour reproducibility		Full colour (16.77 million colours)		
Brightness*3		3100 lm	2600 lm	3100 lm
Center-to-corner uniformity*3		80%		
Contrast*3		8000:1 (full on/off) (During RGB signal input, Lamp power:Normal)		
Resolution		1,280 × 800 pixels (Input signals that exceed this resolution will be converted to 1,280 × 800 pixels.)		1,024x768 pixels (Input signals that exceed this resolution will be converted to 1,024 x 768 pixels.)
Scanning frequency	HDMI	(Horizontal) 15–100 kHz; (Vertical) 24–120 Hz; (Dot clock) 25-162 MHz		
	RGB (analog)	(Horizontal) 15–100 kHz; (Vertical) 24–120 Hz; (Dot clock) 162 MHz or lower		
	YPBPR (YCBCR)	fH: 15.75 kHz, fV: 60 Hz [480i(525i)]; fH: 31.50 kHz, fV: 60 Hz [480p(525p)]; fH: 45.00 kHz, fV: 60 Hz [720(750)/60p]; fH: 33.75 kHz, fV: 60 Hz [1080(1125)/60i]; fH: 27.00 kHz, fV: 24 Hz [1080(1125)/24p]; fH: 15.63 kHz, fV: 50 Hz [576i(625i)]; fH: 31.25 kHz, fV: 50 Hz [576p(625p)]; fH: 37.50 kHz, fV: 50 Hz [720(750)/50p]; fH: 28.13 kHz, fV: 50 Hz [1080(1125)/50i]; fH: 67.50 kHz, fV: 60 Hz [1080(1125)/60p]; fH: 56.25 kHz, fV: 50 Hz [1080(1125)/50p]		
	Video/S-Video	(fH)15.75/15.63kHz (fV)50/60Hz[NTSC/NTSC4.43/PAL/PAL60/PAL-N/PAL-M/SECAM]		
Keystone correction range		Vertical: ± 15°		
Installation		Ceiling/floor, front/rear (Menu setting)		
Built-in speaker		7 cm x 3 cm Oval x1 output power 10 W (Monaural)		
Terminals	HDMI IN	(HDMI 19-pin) x 1 (Deep colour, compatible with HDCP) Audio signal Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)		
	COMPUTER IN 1	D-sub HD 15-pin (female) x 1 [RGB/YPB(CB)/PR(CR) x 1]		
	COMPUTER IN 2	D-sub HD 15-pin (female) x 1 [RGB/YPB(CB)/PR(CR) 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 × 1		
	S-VIDEO IN	Mini DIN 4-pin × 1		
	COMPUTER AUDIO IN	M3 x 2 (L-R x 1)		
	VIDEO AUDIO IN	Pin jack x 2 (L-R x 1)		
	S-VIDEO AUDIO IN	Pin jack x 2 (L-R x 1)		
	AUDIO OUT	M3 x 1 (L-R x 1)		
	SERIAL IN	D-sub 9-pin (female) × 1 for external control (RS-232C compliant)		
	LAN	(RJ-45) × 1 (for network connection, 100BASE-TX/10BASE-T, compliant with PJLink™ (class 1))		
	Mini USB	1 for servicemen (for interactive function)		
Cabinet materials		Molded plastic (PC)		
Dimensions (W × H × D)		357 x 250 x 367 mm (14-1/16" × 9-27/32" × 14-29/64") (with legs at shortest position)		
Weight		Approx.7.8 kg (17.2 lbs)*4	Approx.7.6 kg (16.7 lbs)*4	Approx.7.8 kg (17.2 lbs)*4
Noise level		37 dB (Lamp power: Normal); 33 dB (Lamp power: Eco)	35 dB (Lamp power: Normal); 30 dB (Lamp power: Eco)	37 dB (Lamp power: Normal); 33 dB (Lamp power: Eco)
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*5, Power cord cover x 1, Wireless remote control unit x 1, Lithium coin cell battery x 1, Computer cable (1.8 m) 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		

*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 power is set to Eco 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. In Normal mode, the lamp replacement cycle is 3,000 hours (3,500 hours for PT-CW241R). 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 The above values are averages. Actual values may be different according to the product. *5 Power cord (x2) for the PT-CW331REA/CW241REA/CX301REA *6 This product is used together with an optional bracket assembly (sold separately).

For more information about Panasonic projectors, please visit:
Projector Web Site – business.panasonic.co.uk/visual-system

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