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Ultra Short-Throw and a 3D-Ready Design Expand Projector Possibilities





PT-CW230 2,500 lm WXGA (1,280 × 800)

PT-CX200 2,000 lm XGA (1,024 × 768)

Ultra Short-Throw Projection and 3D-Ready Design

- An innovative ultra short-throw mirror projection optical unit enables large 80-inch projection from an amazingly short distance of about 32/38.3 cm (12.6/15.1 in)*1 The distance between the unit and the screen surface can be as short as 2.4 cm (1 in).
- The projector can be placed next to the screen, which allows a presenter to stand in front of the image without his/her shadow being cast on the image.
- Flexible projection settings for versatile applications, including tabletop installation for wall projection, floor projection, ceiling projection, and wall-mounted installation for wall projection.
- 3D ready (frame sequential display format).

Superb Performance

- High 2,500 Im*² of brightness.
- High-output 10 W speaker built-in.
- Long replacement cycle of up to 3,000 hours*3 for the lamp and up to 4,000 hours*4 for the air filter.
- Quiet, 28 dB^{*5} operating noise does not interrupt classes or meetings.
- Environment-friendly, low standby power consumption of 0.49 W (STANDBY MODE: ECO*6).
- Abundant terminals including HDMI and two sets of RGB input terminals. RGB 2 IN can be switched to RGB 1 OUT for loop-through monitorina.

Convenient Functions

- Direct Power Off allows the room's main power to be turned off immediately after use.
- The filter and lamp are easily replaced from the top even when the projector is installed on the ceiling.
- Presentation support/control tools such as Presentation Timer, Freeze Function, and Digital Zoom.
- Color board mode: red, blue, yellow, green, and black board)*7

 $32\ \text{cm}\ (12.6\ \text{ft})$ for the PT-CW230 and $38.3\ \text{cm}\ (15.1\ \text{ft})$ for the PT-CX200. With the LAMP POWER set to NORMAL, and PICTURE MODE to DYNAMIC.

^{*2} *3

The usage environment affects the lamp replacement cycle. *4 The usage environment affects the duration of the filter.

^{*5} *6 With the LAMP POWER set to ECO.

When the STANDBY MODE is set to ECO, network functions such as standby on via LAN are not available. Also, only certain commands can be received for external control using the serial terminal. *7

The colors of images projected onto a color board may vary from those of the original input signal.

Specifications (Tentative)

Model	PT- CW230	PT-CX200
Power supply	100-240 V AC, 50/60 Hz	
Power consumption	350 W (0.49 W with STANDBY MODE set to ECO,*1 11.5 W with STANDBY MODE set to NORMAL. Both with fan stopped.)	
DLP™ chip Panel size Display method Pixels	16.3 mm (0.64") diagonal (16:10 aspect ratio) DLP™ chip × 1, DLP™ projection system 1,024,000 (1,280 × 800) pixels	13.8 mm (0.54") diagonal (4:3 aspect ratio) DLP™ chip × 1, DLP™ projection system 786,432 (1,024 × 768) pixels
Lens	Fixed (0.19:1 throw ratio), manual focus, F 2.5, f 4.83 mm	Fixed (0.24:1 throw ratio), manual focus, F 2.5, f 4.83 mm
Lamp	275 W UHM lamp × 1	
Lamp replacement cycle	2,000 hours*2 (LAMP POWER: NORMAL), 3,000 hours*2 (LAMP POWER: ECO)	
Screen size (diagonal)	1.52-2.79 m (60-110 in), 16:10 aspect ratio	1.40-2.29 m (55-90 in), 4:3 aspect ratio
Brightness*3	2,500 Im (LAMP POWER: NORMAL, PICTURE MODE: DYNAMIC)	2,000 Im (LAMP POWER: NORMAL, PICTURE MODE: DYNAMIC)
Center-to-corner uniformity*3	80 %	
Contrast*3	2,000:1 (full on/off, LAMP POWER: NORMAL, PICTURE MODE: DYNAMIC)	
Resolution	1,280 \times 800 pixels (Input signals that exceed this resolution will be converted to 1,280 \times 800 pixels.)	$1,024\times768$ pixels (Input signals that exceed this resolution will be converted to $1,024\times768$ pixels.)
Scanning frequency RGB (analog) YPBPR (YCBCR) Video/S-Video	fH: 15-93 kHz, fv: 50-120 Hz, dot clock: 150 MHz or lower (Signals exceeding the dot clock rate of 150 MHz are downsampled.) fH: 15.75 kHz, fv: 60 Hz [480i (525i)] fH: 31.25 kHz, fv: 50 Hz [576p (625p)] fH: 31.50 kHz, fv: 60 Hz [480p (525p)] fH: 45.00 kHz, fv: 60 Hz [720 (750)/60p] fH: 35.75 kHz, fv: 50 Hz [480p (525p)] fH: 45.00 kHz, fv: 60 Hz [720 (750)/60p] fH: 5.75 kHz, fv: 50 Hz [576i (625i)] fH: 45.75 kHz, fv: 50 Hz [720 (750)/50p] 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: ±5° (manual)	
Installation	Ceiling/floor, front/rear, vertical upwards/downwards	
Terminals HDMI IN COMPUTER 1 COMPUTER 2 COMPUTER 1/ COMPUTER 1/ COMPUTER 2 AUDIO IN VIDEO IN S-VIDEO IN VIDEO IN VIDEO AUDIO IN SERIAL IN	HDMI 19-pin × 1 (Deep Color, compatible with HDCP) D-Sub HD 15-pin (female) × 1 (RGB/YPBPR/YCeCR/Scart RGB × 1) D-Sub HD 15-pin (female) × 1 (RGB × 1) (input/output selectable using on-screen menu) M3 (L, R) × 1 M3 (L, R) × 1 RCA × 1 (composite video) Mini DIN 4-pin × 1 (S-Video) RCA (L, R) × 1 for VIDE0/S-VIDE0 D-sub 9-pin (female) × 1 for external control (RS-232C compliant)	
LAN	RJ-45 × 1 (for network connection, 10Base-T/100Base-TX, compliant with PJLink™)	
Built-in speaker	10 W (monaural) output power	
Operating noise*4	36 dB (lamp power: normal), 28 dB (lamp power: eco)	
Filter	imes 1, recommended replacement cycle: 3,000 hours (LAMP POWER: NORMAL), 4,000 hours (LAMP POWER: ECO)	
Cabinet materials	Molded plastic (PC)	
Dimensions (W \times H \times D)	$321 \times 178^{*5} \times 385$ mm (12-5/8 $\times 7^{*5} \times 15$ -5/32 in) (protruding parts not included)	
Weight*4	Approximately 6.2 kg (13.7 lbs)	
Operating environment	Operating temperature: 0 °C-40 °C (32 °F-113 °F)*6, operating humidity: 20%-80% (no condensation)	
Supplied accessories	Power cord with secure lock, wireless remote control unit, batteries (R03/LR03/AAA type × 2), RGB cable	

Optional accessories

Wall mount bracket ET-PKC100W

Bracket assembly ET-PKC100B

Ceiling mount bracket ET-PKV100H (for high ceilings) ET-PKV100S (for low ceilings)

Replacement lamp unit ET-LAC100

Replacement filter unit ET-RFC100

- When the STANDBY MODE is set to ECO, network functions such as standby on via LAN are not available. Also, only certain commands can be received for external control using the serial terminal. The usage environment affects the lamp replacement cycle. *1
- *2 *3 *4 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. Average value. May differ depending on models.
- With legs at shortest position.
- *5 *6 The operature range is 0 °C to 30 °C (32 °F to 86 °F) when the fan control is set to HIGH ALTITUDE mode (for altitudes from 1,000 m to 2,700 m (3,280 ft to 8,858 ft) above sea level).

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