Enhanced Lineup of High-brightness Ultra-short Throw Projectors

Panasonic

PT-CW330 Series
Ultra-short Throw 1-Chip DLP™ Projectors

PT-CW331R
PT-CW330
PT-CW241R
PT-CW240
PT-CX301R
PT-CX300

Write the names of the solid figures A–D.

A Circular cylinder
B Hexagonal
C Circular cone

3D PROFESSIONAL

PICTURE BY DLP™
Adding New Models with Interactive Function*1 to High-brightness Ultra-short Throw Projectors

These ultra-short throw projectors with a high-brightness of 3,100 lm*2, which allow you to project images onto a large 80-inch screen with a short projection distance of 0.60 m, are newly equipped with an interactive function*1. These projectors are especially effective in schools and business. Their 3D projections make events and exhibitions more impressive and effective, providing a new range of application.

<table>
<thead>
<tr>
<th>Model</th>
<th>Brightness (lm)</th>
<th>Resolution</th>
<th>Interactive Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-CW331R</td>
<td>3,100</td>
<td>WXGA</td>
<td>Interactive function</td>
</tr>
<tr>
<td>PT-CW330</td>
<td>3,100</td>
<td>WXGA</td>
<td></td>
</tr>
<tr>
<td>PT-CW241R</td>
<td>2,600</td>
<td>WXGA</td>
<td>Interactive function</td>
</tr>
<tr>
<td>PT-CW240</td>
<td>2,600</td>
<td>WXGA</td>
<td></td>
</tr>
<tr>
<td>PT-CX301R</td>
<td>3,100</td>
<td>XGA</td>
<td>Interactive function</td>
</tr>
<tr>
<td>PT-CX300</td>
<td>3,100</td>
<td>XGA</td>
<td></td>
</tr>
</tbody>
</table>

Wider Range of Applications

- Classes to improve understanding
- Compelling presentations
- Exhibitions and events with promotional effects

The interactive function makes your classes and presentations effective and enables better information sharing. The powerful large-screen 3D projection in a limited space adds dramatic impact to your events and exhibitions.
A Wide Variety of Functions Expands Projector Possibilities

Ultra-short Throw

Projection onto a wide 80-inch screen with a short projection distance of 0.60 m*3

The ultra-short throw projector can be wall-mounted with an optional wall mount bracket (ET-PKC200W). There is no need to worry about the presenter's shadow on the screen and glare of the projection light.

High Brightness

High Brightness of 3,100 lm*2

The high brightness of 3,100 lm*2 and high contrast ratio of 8,000:1*4, ensuring bright and easy-to-see image projection, is highly effective for lessons and presentations in classrooms and meeting rooms.

Interactive function

The interactive function*1 allows you to write on a projected image.

You can write or draw figures on the projected image with the Interactive Pen/Pointer. The scanning camera frame rate of PT-CW331R/CW241R/CX301R, which is twice as high as that of our existing products*5, ensures smooth writing. In addition, two users can write simultaneously, to make classes and presentations more effective. It is easy to store the words and figures in a computer for information sharing.

Convenient features of Interactive functions

Auto calibration

The auto calibration helps to reduce setting time. Manual calibration is also available by touching four points with the Interactive Pen/Pointer.

Dual pen support**

Select the dual pen mode (Half screen mode/Full screen mode). Two users can write simultaneously, making your classes and presentations more efficient.

Half screen mode

The drawing screen is divided into two sections. Individually select color and line width for each screen.

Full screen mode

Write on the full screen. The color and line width of the two pens are same.

Two Interactive Pens provided

Lightly touch the screen with the pen to write.

* Interactive Pointer available as an option.

Functionality improved

The faster frame rate ensures smooth, comfortable writing.

*1 Only PT-CW331R/CW241R/CX301R have this function.
*2 PT-CW241R/CW240 has brightness of 2,600 lm.
*3 Available for PT-CW331R/CX301R/CW241R/CX240.
*4 During RGB signal input, Lamp power: Normal.
*5 The frame rate of PT-CW331R/CW241R/CX301R is 60 fps; that of our existing model, PT-TW231R, is 30 fps.
*6 Available for Windows® operating system.
10 W High-output Speaker Meet Your Meeting/Seminar Room Needs.

The volume level of the 10 W high-output speaker is enough for meeting rooms and classrooms; you do not need to use an external speaker. You can make multi-media presentations.

Ensuring a Long Lamp Replacement Cycle

The lamp replacement cycle for the PT-CW331R/CW330/CX301R/CX300 is 4,000 hours**; and for the PT-CW241R/CW240 is 5,000 hours**. Such long replacement cycles reduce the hassle and the cost of maintenance, while minimizing environmental impact.

0.5 W*10 Standby Power Consumption

The standby power consumption is as low as 0.5 W*10, reducing running cost and effects on the environment.

Extensive Interfaces with an HDMI Input Terminal

Extensive interfaces, including two sets of computer (RGB) input terminals, one set of computer (RGB) output terminals and an HDMI input terminal, allows a wide range of system configurations.

Audio Can Be Output in Standby Mode

Audio can be output from the audio output terminal in Standby mode**11. This function is useful when the audio output terminal is connected to the external audio system*12 via the projector.

“Crestron Connected™” Compatible

The wired LAN terminal supports Crestron’s application software, “Crestron Connected™”, which can control various system devices by using a personal computer connected to the network.
Convenient Functions

“Wall Color Setting” Convenient for a Classroom with no Screen

The PT-CW331R/CW330/CW241R/CW240/CX301R/CX300 has an image mode performing optimal correction when projecting onto a blackboard and wall.

Easy to Replace the Lamp

Replace the lamp from the side of the projector. When replacing the lamp, there is no need to detach the projector from the ceiling bracket or the wall mount bracket.

“Security Bar” Useful for Protection against Theft

The PT-CW331R/CW330/CW241R/CW240/CX301R/CX300 is equipped with the “security bar” for preventing theft.

Wireless Remote Control is Convenient When Using More Than One Projector.

A maximum of seven IDs [ALL, ID1-ID6] can be set up, allowing individual remote control of each projector.

Eco-friendly

- No halogenated flame retardants are used in the cabinet.
- Lead-free glass is used for the lens.
- Coating-free cabinet for easy recycling.
- Low standby power of 0.5 W*10
- Switchable lamp mode

Optional accessories

<table>
<thead>
<tr>
<th>Ceiling-mount bracket for high ceilings** ET-PKV100H</th>
<th>Ceiling mount bracket for low ceilings** ET-PKV100D</th>
<th>Wall mount bracket ET-PKC200W</th>
</tr>
</thead>
</table>

Projection distance

<table>
<thead>
<tr>
<th>Diagonal image size</th>
<th>Distance from the edge of the projection window to the screen (A)</th>
<th>Distance from the projector front to the screen (B)</th>
<th>Height from the edge of the screen to the top of the projector (E)</th>
<th>Height from the edge of the screen to the bottom of the projector (F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-CW331R/CW330/CW241R/CW240</td>
<td>1.78 (60&quot;)</td>
<td>0.52 (21.1&quot;)</td>
<td>0.19 (7.5&quot;)</td>
<td>0.72 (28.2&quot;)</td>
</tr>
<tr>
<td>PT-CX301R/CX300</td>
<td>1.52 (59.8&quot;)</td>
<td>0.56 (22.1&quot;)</td>
<td>0.19 (7.5&quot;)</td>
<td>0.81 (31.9&quot;)</td>
</tr>
<tr>
<td>PT-CW331R/CW330/CW241R/CW240</td>
<td>2.29 (90&quot;)</td>
<td>0.68 (26.7&quot;)</td>
<td>0.22 (8.7&quot;)</td>
<td>0.85 (33.4&quot;)</td>
</tr>
<tr>
<td>PT-CX301R/CX300</td>
<td>2.08 (81.9&quot;)</td>
<td>0.74 (29.2&quot;)</td>
<td>0.25 (9.8&quot;)</td>
<td>0.91 (35.8&quot;)</td>
</tr>
</tbody>
</table>

Dimensions

| PT-CW331R/CW241R/CX301R | 257114-1/141 | 347114-29/614 |
| PT-CW330/CW240/CX300 | 297114-1/141 | 367114-29/614 |

* 7 To view 3D images, DLP™ Link™ active-shutter 3D glasses are separately required. (In the active shutter system, the right/left liquid crystal shutter is opened and closed alternately according to projected images.)*8 To project images, 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/CW240). The usage environment affects the duration of the lamp.
*10 When [Lan] ([Standby Out]) ([VGA Out]) ([Standby Mode]) ([Audio]) are all set to [Off].
*11 Select the Menu for setting.
*12 In addition to the speaker, an audio amplifier is necessary.
*13 This product is used together with an optional bracket assembly (sold separately).

*7 To view 3D images, DLP™ Link™ active-shutter 3D glasses are separately required. (In the active shutter system, the right/left liquid crystal shutter is opened and closed alternately according to projected images.) The active-shutter 3D glasses with refresh rate of 96 – 144 Hz are recommended. 3D images of 60 Hz can also be viewed by a 120 Hz compatible device.

*8 Twenty-four-hour continuous operation is not available.

*9 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/CW240). The usage environment affects the duration of the lamp.

*10 When [Lan] ([Standby Out]) ([VGA Out]) ([Standby Mode]) ([Audio]) are all set to [Off].
*11 Select the Menu for setting.
*12 In addition to the speaker, an audio amplifier is necessary.
*13 This product is used together with an optional bracket assembly (sold separately).
*14 The Interactive Pen is the same as those which are supplied with PT-CW331R/CW241R/CX301R.
Specifications

**Power supply**
- PT-CW231R: 100 - 240 V AC, 50/60 Hz
- PT-CW241R: 100 - 240 V AC, 50/60 Hz

**Power consumption**
- PT-CW231R: 340 W (Power Normal); 6.0 W (Power ECO)
- PT-CW241R: 340 W (Power Normal); 6.0 W (Power ECO)

**Image size**
- 1,024 x 768 pixels

**Lamp**
- 280 W UHM lamp

**Color reproducibility**
- Full color (16.77 million colors)

**Brightness**
- 3,100 lm
- 2,600 lm

**Center-to-center uniformity**
- 80%

**Contrast**
- 2,000:1

**Resolution**
- 1,280 x 800 pixels

**Scanning frequency**
- RGB (Horizontal): 75–100 kHz; Vertical: 48–120 Hz

**Audio**
- Speaker: 3W
- 38 dB (Power Normal); 33 dB (Power ECO)

**Power consumption**
- 340 W (Power Normal); 0.5 W (Power ECO)
- 310 W (Power Normal); 0.5 W (Power ECO)

**Video/S-Video**
- VIDEO IN: Pin jack x 2 (L-R x 1)
- S-VIDEO IN: Mini DIN 4-pin x 1

**Computer IN**
- 2 D-sub HD 15-pin (female) x 1 [RGB/YPb(CB)/PR(CR) x 1]

**SERIAL IN**
- D-sub HD 15-pin (female) x 1 [RGB/Yp/Ca/Pr(Cb) x 1]

**Audio OUT**
- M3 x 1 (L-R x 1)
- D/A AUDIO IN: Pin jack x 2 (L-R x 1)

**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]

**Humidity**
- 20% - 80% (no condensation)

**Supplied accessories**
- Power cord (3 m) x 1
- Power cord cover x 1
- Computer cable (1.8 m) x 1
- Lithium coin cell battery x 1
- USB cable (5.0 m) x 1
- Batteries (AAA type x 4)
- Application software
- Application software (Light Pen x 1) (CD-ROM x 1)

**Dimensions (W x H x D)**
- 357 x 250 x 367 mm (14 1/16” x 9 7/32” x 14 29/32)” (with legs at shortest position)

**Weight**
- Approx. 7.8 kg (17.2 lbs)*1
- Approx. 7.7 kg (17.1 lbs)*2

**Noise level**
- 37 dB (Power Normal)
- 38 dB (Power ECO)
- 33 dB (Power Normal)
- 32 dB (Power ECO)

**Operating environment**
- Temperature: 5°C – 40°C (41°F – 104°F) [Less than 750 m (2,500 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)

**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.

NOTE ON USE
- 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. In normal mode, the lamp replacement cycle is 3,000 hours (1,500 hours for the STANDBY MODE set to ECO).
- The usage environment affects the duration of the lamp.

For more information about Panasonic projectors, please visit
- Projector Global Web Site – panasonic.net/avc/projector
- Facebook – www.facebook.com/panasonicprojector
- YouTube – www.youtube.com/user/PanasonicProjector

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