Mobile App -
The information of the Panasonic projectors and professional displays from your iOS/Android devices.
panasonic.net/cns/prodisplays/support/mobile_app/

For more information about Panasonic projectors
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Panasonic projectors: facebook page
www.facebook.com/panasonicprojectoranddisplay/
Panasonic projectors: YouTube channel
www.youtube.com/user/PanasonicProjector

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LINEUP-G47
Printed in Japan.
Panasonic Projectors product lineup

**Panasonic Projectors product lineup**

**SOLID SHINE Series**
- **PT-RZ21K Series** > P3
- **PT-RZ31K Series** > P3
- **PT-RZ22K** > P4
- **PT-RZ21K Series** > P4
- **PT-DZ21K2 Series** > P7

**SOLID SHINE Series**
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- **PT-RZ32K** > P3
- **PT-RQ21K Series** > P4
- **PT-RZ120** > P9

**SOLID SHINE Series**
- **PT-RQ13K** > P5
- **PT-RZ12K Series** > P4
- **PT-RZ120** > P9
- **PT-RQ13K** > P5

**SOLID SHINE Series**
- **PT-DZ21K2 Series** > P7
- **PT-RZ21K Series** > P4
- **PT-RZ22K** > P4
- **PT-RZ21K Series** > P4
- **PT-RQ13K** > P5

**10,000 lm**
- **PT-RQ22K** > P4
- **PT-RZ22K** > P4
- **PT-RZ22K** > P4
- **PT-RZ22K** > P4
- **PT-RQ13K** > P5

**5,000 lm**
- **PT-RQ22K** > P4
- **PT-RZ22K** > P4
- **PT-RZ22K** > P4
- **PT-RZ22K** > P4
- **PT-RQ13K** > P5

**7,000 lm**
- **PT-DZ21K2 Series** > P7
- **PT-RZ21K Series** > P4
- **PT-RQ21K Series** > P4
- **PT-RZ21K Series** > P4
- **PT-DZ21K2 Series** > P7
<table>
<thead>
<tr>
<th>Projector type</th>
<th>PT-RQ32K</th>
<th>PT-RZ31K</th>
<th>PT-RS30K</th>
<th>PT-R22K</th>
<th>PT-RZ21K</th>
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<tbody>
<tr>
<td>Panel size</td>
<td>22.9 mm (0.9 in)</td>
<td>24.4 mm (0.96 in)</td>
<td>24.1 mm (0.95 in)</td>
<td>24.4 mm (0.96 in)</td>
<td>24.4 mm (0.96 in)</td>
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<tr>
<td>Aspect ratio</td>
<td>4:3</td>
<td>4:3</td>
<td>4:3</td>
<td>4:3</td>
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<tr>
<td>Number of pixels</td>
<td>4,096,000 (2,560 x 1,600) x 3</td>
<td>2,304,000 (1,920 x 1,200) x 3</td>
<td>4,410,000</td>
<td>4,410,000</td>
<td>4,410,000</td>
</tr>
<tr>
<td>Laser diodes</td>
<td>Laser diodes</td>
<td>Laser diodes</td>
<td>Laser diodes</td>
<td>Laser diodes</td>
<td>Laser diodes</td>
</tr>
<tr>
<td>Light output</td>
<td>30,000 lm / 31,000 lm (Center)*7</td>
<td>4,170,000 (4,100,000) x 3</td>
<td>4,170,000 (4,100,000) x 3</td>
<td>4,170,000 (4,100,000) x 3</td>
<td>4,170,000 (4,100,000) x 3</td>
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<tr>
<td>Resolution</td>
<td>WUXGA</td>
<td>WUXGA</td>
<td>WUXGA</td>
<td>WUXGA</td>
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<tr>
<td>Screen size (diagonal)</td>
<td>1.78-25.4 m (70-1,000 in)*8</td>
<td>1.78-25.4 m (70-1,000 in)*9</td>
<td>1.78-25.4 m (70-1,000 in)*8</td>
<td>1.78-25.4 m (70-1,000 in)*9</td>
<td>1.78-25.4 m (70-1,000 in)*9</td>
</tr>
<tr>
<td>Filter Replacement Cycle</td>
<td>4,000 hours (NORMAL)/2,000 hours (HIGH)</td>
<td>4,000 hours (NORMAL)/2,000 hours (HIGH)</td>
<td>4,000 hours (NORMAL)/2,000 hours (HIGH)</td>
<td>4,000 hours (NORMAL)/2,000 hours (HIGH)</td>
<td>4,000 hours (NORMAL)/2,000 hours (HIGH)</td>
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<tr>
<td>Installation</td>
<td>360-degree free installation</td>
<td>360-degree free installation</td>
<td>360-degree free installation</td>
<td>360-degree free installation</td>
<td>360-degree free installation</td>
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<tr>
<td>Terminals</td>
<td>SDI in [BNC x 2] (DIGITAL LINK), HDMI in [HDMI x 1], RGB 1in [BNC x 5]</td>
<td>SDI in [BNC x 2] (DIGITAL LINK), HDMI in [HDMI x 1], RGB 1in [BNC x 5]</td>
<td>SDI in [BNC x 2] (DIGITAL LINK), HDMI in [HDMI x 1], RGB 1in [BNC x 5]</td>
<td>SDI in [BNC x 2] (DIGITAL LINK), HDMI in [HDMI x 1], RGB 1in [BNC x 5]</td>
<td>SDI in [BNC x 2] (DIGITAL LINK), HDMI in [HDMI x 1], RGB 1in [BNC x 5]</td>
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<tr>
<td>Power supply</td>
<td>200-240 V AC, 50/60 Hz*10</td>
<td>200-240 V AC, 50/60 Hz*10</td>
<td>200-240 V AC, 50/60 Hz*10</td>
<td>200-240 V AC, 50/60 Hz*10</td>
<td>200-240 V AC, 50/60 Hz*10</td>
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<tr>
<td>Power consumption</td>
<td>2,900 W</td>
<td>2,870 W</td>
<td>2,870 W</td>
<td>2,870 W</td>
<td>1,650 W</td>
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<td>BTU value</td>
<td>Max. 10,079 BTU</td>
<td>Max. 9,806 BTU</td>
<td>Max. 9,806 BTU</td>
<td>Max. 9,806 BTU</td>
<td>Max. 5,364 BTU</td>
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<tr>
<td>Operation noise</td>
<td>49 dB</td>
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<td>49 dB</td>
<td>49 dB</td>
<td>49 dB</td>
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<tr>
<td>Dimensions</td>
<td>700 x 418 x 1070 mm (27-9/16 x 16-15/32 x 42-1/8 in)</td>
<td>700 x 418 x 1070 mm (27-9/16 x 16-15/32 x 42-1/8 in)</td>
<td>700 x 418 x 1070 mm (27-9/16 x 16-15/32 x 42-1/8 in)</td>
<td>700 x 418 x 1070 mm (27-9/16 x 16-15/32 x 42-1/8 in)</td>
<td>700 x 418 x 1070 mm (27-9/16 x 16-15/32 x 42-1/8 in)</td>
</tr>
<tr>
<td>Optional lenses*5</td>
<td>Yes (see the Optional Lenses page: P45)</td>
<td>Yes (see the Optional Lenses page: P45)</td>
<td>Yes (see the Optional Lenses page: P45)</td>
<td>Yes (see the Optional Lenses page: P45)</td>
<td>Yes (see the Optional Lenses page: P45)</td>
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<tr>
<td>Weight*6</td>
<td>Approx. 79 kg/172 lbs</td>
<td>Approx. 79 kg/172 lbs</td>
<td>Approx. 79 kg/172 lbs</td>
<td>Approx. 79 kg/172 lbs</td>
<td>Approx. 79 kg/172 lbs</td>
</tr>
</tbody>
</table>

*1: After approximately 20,000 hours, cleaning needs to be performed by the vendor which you purchased from. Light source lifetime may be shortened due to environmental conditions and operating mode. *2: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. *3: Height: with legs at shortest position. *4: Depth: protruding parts not included. *5: Average value. Each product has an individual variable in weight. *6: Resolution 5,120 x 3,200 Pixels (QUAD PIXEL DRIVE: ON) *7: Luminance measured at center of screen. *8: 1.78-15.24 m (70-600 in) with the ET-D75LE8/D3LET80. 3.05-15.24 m (120-600 in) with the ET-D75LE95. *9: Vertical ±56 % and horizontal ±20 % may be shortened due to environmental conditions and operating mode. *10: Brightness restricted with voltage lower than 200 V. *11: Vertical ±40 % and horizontal ±15 % with the ET-D75LE8/ET-D3LEW8. *12: Vertical ±40 % and horizontal ±20 % with the ET-D75LE9/ET-D2LEW9. *13: Light output will decrease to approximately 50 % when using the projector with AC 100 V to AC 120 V (9.6 A).
PT-RZ31K projectors with powerful 31,000-lumen output keep projections bright and bold even in the toughest conditions. A total of 70 Panasonic projectors with 148 million pixels thrilled spectators with large-scale projection mapping.

**Equipment installed:**
- Panasonic PT-RZ31K projectors
- ET-PKD520H (High ceiling mount bracket)
- ET-PKD520S (Low ceiling mount bracket)
- ET-PKD520B (Attachment for ceiling mount bracket)
- ET-PFD510 (Frame)
- ET-EMF330 (Replacement filter unit)
- ET-YFB200G (DIGITAL LINK Switcher)
- ET-YFB100G (Digital Interface Box)
- ET-UK20 (Geometry Manager Pro Upgrade kit)
- ET-PFR1000 (Digital Interface Box)
- ET-UCG10 (Geometry Manager Pro Upgrade kit)
- ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)
- ET-MENV10/DN (Input Board)
- ET-MENV11H (HD Input Board)
- ET-MENV11 (SD Input Board)
- ET-TBNS10 (SD-Input Board)

**Optional accessories:**
- ET-PFR200H (High ceiling mount bracket)
- ET-PFR200S (Low ceiling mount bracket)
- ET-PFR200D (Attachment for ceiling mount bracket)
- ET-PFR200I (Frame)
- ET-VMK5101 (Staging Motor kit)
- ET-PLF10 (Lens Fast Attachment)
- ET-YFB3000 (DIGITAL LINK Switcher)
- ET-YFB1000 (Digital Interface Box)
- ET-LCZ10 (Geometry Manager Pro Upgrade kit)
- ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)
- ET-MENV10/DN (Input Board)
- ET-MENV11H (HD Input Board)
- ET-MENV11 (SD Input Board)
- ET-TBNS10 (SD-Input Board)

**Optical lens:**
- Yes (see the Optional Lenses page: P45)

---

*1: After approximately 2,000 hours, cleaning needs to be performed. By the vendor which you purchased from. The light source’s lifetime may be shortened due to environmental conditions and operating mode. *2: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. *3: Height: legs at shortest position. *4: Depth: protruding parts not included. *5: Average value. Each product has an individual variable in weight. *6: Resolution 5,120 x 3,204,000 pixels (QUAD PIXEL DRIVE: ON)

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**The World’s Tallest Projection Mapping Shows (Israel)**

Panasonic PT-RZ31K projectors with powerful 31,000-lumen output keep projections bright and bold even in the toughest conditions. A total of 70 Panasonic projectors with 148 million pixels thrilled spectators with large-scale projection mapping.

**Equipment installed:**
- 3-Chip DLP™ projector PT-RZ31K (x70)
- ET-PKD520H (High ceiling mount bracket)
- ET-PKD520S (Low ceiling mount bracket)
- ET-PKD520D (Attachment for ceiling mount bracket)
- ET-PKD520I (Frame)
- ET-VMK5101 (Staging Motor kit)
- ET-PLF10 (Lens Fast Attachment)
- ET-YFB3000 (DIGITAL LINK Switcher)
- ET-YFB1000 (Digital Interface Box)
- ET-LCZ10 (Geometry Manager Pro Upgrade kit)
- ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)
- ET-MENV10/DN (Input Board)
- ET-MENV11H (HD Input Board)
- ET-MENV11 (SD Input Board)
- ET-TBNS10 (SD-Input Board)

**Optional accessories:**
- ET-PFR200H (High ceiling mount bracket)
- ET-PFR200S (Low ceiling mount bracket)
- ET-PFR200D (Attachment for ceiling mount bracket)
- ET-PFR200I (Frame)
- ET-VMK5101 (Staging Motor kit)
- ET-PLF10 (Lens Fast Attachment)
- ET-YFB3000 (DIGITAL LINK Switcher)
- ET-YFB1000 (Digital Interface Box)
- ET-LCZ10 (Geometry Manager Pro Upgrade kit)
- ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)

**Optional lens:**
- Yes (see the Optional Lenses page: P45)
## Large-Venue

### PT-DZ21K2
- **20,000 lm**
- WXGA
- **17,000 lm**
- WXGA

### PT-DS20K2
- **20,000 lm**
- SXGA+
- **17,000 lm**
- WXGA

### PT-DW17K2
- **17,000 lm**
- WXGA
- **16,000 lm**
- Full HD

### PT-DZ16K2
- **16,000 lm**
- Full HD

<table>
<thead>
<tr>
<th>Projector type</th>
<th>Panel size</th>
<th>Aspect ratio</th>
<th>Number of pixels</th>
<th>Light source</th>
<th>Light output</th>
<th>Time until light output</th>
<th>Contrast ratio (full on/full off)</th>
<th>Screen size (diagonal)</th>
<th>Lens shift*2</th>
<th>Filter Replacement Cycle</th>
<th>Installation</th>
<th>Terminals</th>
<th>Power supply</th>
<th>Power consumption</th>
<th>BTU value</th>
<th>Operation noise</th>
<th>Dimensions (W x H x D)*4</th>
<th>Weight*5</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-DZ21K2</td>
<td>3-Chip DLP™ Projector</td>
<td>24.4 mm (0.96 in)</td>
<td>16:10</td>
<td>2,304,000 (1,920 x 2,100) x 3, total of 6,972,000 pixels</td>
<td>432 W UHM Lamp x 4</td>
<td>20,000 lm</td>
<td>3,000 hours (QUAD)/6,000 hours (DUAL)</td>
<td>10,000:1</td>
<td>1.78-25.4 m (70-1,000 in)*7</td>
<td>Vertical: ±50 %*9, Horizontal: ±20 %*10 (powered)</td>
<td>Ceiling/floor, front/rear, portrait*6</td>
<td>SDSI in [BNC x 2 (3G/HD/SD-SI)] 3D SYNC in/out [BNC x 1 (3D timing signal)] DVI-D in [DVI-D 24-pin x 1] HDMI in (HDMI 19-pin x 1) RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net (RJ-45 x 1)</td>
<td>200-240 V AC, 50/60 Hz</td>
<td>2060 W</td>
<td>46 dB</td>
<td>620 x 291 x 800 mm</td>
<td>41.0 kg/90.4 lbs</td>
<td></td>
</tr>
<tr>
<td>PT-DS20K2</td>
<td>3-Chip DLP™ Projector</td>
<td>24.1 mm (0.95 in)</td>
<td>16:9</td>
<td>1,740,000 (1,400 x 1,050) x 3, total of 4,640,000 pixels</td>
<td>432 W UHM Lamp x 4</td>
<td>17,000 lm</td>
<td>3,000 hours (QUAD)/6,000 hours (DUAL)</td>
<td>10,000:1</td>
<td>1.78-25.4 m (70-1,000 in)*7</td>
<td>Vertical: ±50 %*9, Horizontal: ±30 %*10 (powered)</td>
<td>Ceiling/floor, front/rear, portrait*6</td>
<td>SDSI in [BNC x 2 (3G/HD/SD-SI)] 3D SYNC in/out [BNC x 1 (3D timing signal)] DVI-D in [DVI-D 24-pin x 1] HDMI in (HDMI 19-pin x 1) RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net (RJ-45 x 1)</td>
<td>200-240 V AC, 50/60 Hz</td>
<td>2060 W</td>
<td>46 dB</td>
<td>620 x 291 x 800 mm</td>
<td>41.0 kg/90.4 lbs</td>
<td></td>
</tr>
<tr>
<td>PT-DW17K2</td>
<td>3-Chip DLP™ Projector</td>
<td>21.7 mm (0.85 in)</td>
<td>16:9</td>
<td>1,049,088 (1,366 x 768) x 3, total of 3,147,264 pixels</td>
<td>432 W UHM Lamp x 4</td>
<td>16,000 lm</td>
<td>3,000 hours (QUAD)/6,000 hours (DUAL)</td>
<td>10,000:1</td>
<td>1.78-25.4 m (70-1,000 in)*7</td>
<td>Vertical: ±60 %*11, Horizontal: ±30 %*11 (powered)</td>
<td>Ceiling/floor, front/rear, portrait*6</td>
<td>SDSI in [BNC x 2 (3G/HD/SD-SI)] 3D SYNC in/out [BNC x 1 (3D timing signal)] DVI-D in [DVI-D 24-pin x 1] HDMI in (HDMI 19-pin x 1) RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net (RJ-45 x 1)</td>
<td>200-240 V AC, 50/60 Hz</td>
<td>2060 W</td>
<td>46 dB</td>
<td>620 x 291 x 800 mm</td>
<td>41.0 kg/90.4 lbs</td>
<td></td>
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<tr>
<td>PT-DZ16K2</td>
<td>3-Chip DLP™ Projector</td>
<td>21.4 mm (0.85 in)</td>
<td>16:9</td>
<td>1,049,088 (1,366 x 768) x 3, total of 3,147,264 pixels</td>
<td>432 W UHM Lamp x 4</td>
<td>16,000 lm</td>
<td>3,000 hours (QUAD)/6,000 hours (DUAL)</td>
<td>10,000:1</td>
<td>1.78-25.4 m (70-1,000 in)*7</td>
<td>Vertical: ±60 %*11, Horizontal: ±30 %*11 (powered)</td>
<td>Ceiling/floor, front/rear, portrait*6</td>
<td>SDSI in [BNC x 2 (3G/HD/SD-SI)] 3D SYNC in/out [BNC x 1 (3D timing signal)] DVI-D in [DVI-D 24-pin x 1] HDMI in (HDMI 19-pin x 1) RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net (RJ-45 x 1)</td>
<td>200-240 V AC, 50/60 Hz</td>
<td>2060 W</td>
<td>46 dB</td>
<td>620 x 291 x 800 mm</td>
<td>41.0 kg/90.4 lbs</td>
<td></td>
</tr>
</tbody>
</table>

*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle. *2: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. *3: Height with legs at shortest position. *4: Depth; lens not included. *5: Average value. Each product has an individual variable in weight. *6: Mounting the optional lamp unit for portrait mode is required.

*7: 1.78-15.24 m (70-600 in) with the ET-D75LE6. 3.05-15.24 m (120-600 in) with the ET-D75LE95. *8: Vertical ±44 % and horizontal ±15 % with the ET-D75LE6. *9: Vertical ±40 % and horizontal ±20 % with the ET-D75LE6. *10: Vertical ±30 % and horizontal ±15 % with the ET-D75LE6. *11: Vertical ±60 % and horizontal ±30 % with the ET-D75LE6.
### Installation

<table>
<thead>
<tr>
<th>Model</th>
<th>Panel size</th>
<th>Aspect ratio</th>
<th>Number of pixels</th>
<th>Light source</th>
<th>Laser diode</th>
<th>Light output</th>
<th>Laser diode</th>
<th>Laser diode</th>
<th>Laser diode</th>
<th>Laser diode</th>
<th>Laser diode</th>
<th>Laser diode</th>
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<tbody>
<tr>
<td>PT-RZ120</td>
<td>17.0 mm (0.67 in)</td>
<td>16:10</td>
<td>2,304,000 [1,920 x 1,200] pixels</td>
<td>Laser diode</td>
<td>Laser diode</td>
<td>12,000 lm / 12,600 lm (Center)*8</td>
<td>Laser diode</td>
<td>Laser diode</td>
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<tr>
<td>PT-RZ120L</td>
<td>17.0 mm (0.67 in)</td>
<td>16:10</td>
<td>2,304,000 [1,920 x 1,200] pixels</td>
<td>Laser diode</td>
<td>Laser diode</td>
<td>12,000 lm / 12,600 lm (Center)*8</td>
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<tr>
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<tr>
<td>PT-RZ970</td>
<td>16.5 mm (0.65 in)</td>
<td>16:10</td>
<td>1,024,000 [1,280 x 800] pixels</td>
<td>Laser diode</td>
<td>Laser diode</td>
<td>9,400 lm / 10,000 lm (Center)*8</td>
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<td>Laser diode</td>
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<tr>
<td>PT-RZ970L</td>
<td>16.5 mm (0.65 in)</td>
<td>16:10</td>
<td>1,024,000 [1,280 x 800] pixels</td>
<td>Laser diode</td>
<td>Laser diode</td>
<td>9,400 lm / 10,000 lm (Center)*8</td>
<td>Laser diode</td>
<td>Laser diode</td>
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<tr>
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<th>Panel size</th>
<th>Aspect ratio</th>
<th>Number of pixels</th>
<th>Light source</th>
<th>Laser diode</th>
<th>Light output</th>
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<tr>
<td>PT-RW930</td>
<td>17.8 mm (0.7 in)</td>
<td>43</td>
<td>786,432 [1,024 x 768] pixels</td>
<td>Laser diode</td>
<td>Laser diode</td>
<td>8,500 lm / 9,800 lm (Center)*8</td>
<td>Laser diode</td>
<td>Laser diode</td>
<td>Laser diode</td>
<td>Laser diode</td>
<td>Laser diode</td>
</tr>
<tr>
<td>PT-RW930L</td>
<td>17.8 mm (0.7 in)</td>
<td>43</td>
<td>786,432 [1,024 x 768] pixels</td>
<td>Laser diode</td>
<td>Laser diode</td>
<td>8,500 lm / 9,800 lm (Center)*8</td>
<td>Laser diode</td>
<td>Laser diode</td>
<td>Laser diode</td>
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<td>Laser diode</td>
</tr>
</tbody>
</table>

### Terminals

<table>
<thead>
<tr>
<th>Model</th>
<th>SDI in</th>
<th>HDMI in</th>
<th>DVI-D in</th>
<th>RGB 1 in</th>
<th>RGB 2 in</th>
<th>Serial/ Multi Projector Sync in</th>
<th>Remote 1 in</th>
<th>Remote 2 in</th>
<th>LAN/DIGITAL LINK/Art-net</th>
<th>Panel size (diagonal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-RZ120</td>
<td>BNC x 1 (3G/HD/SD-SDI)</td>
<td>HDMI 19-pin x 1</td>
<td>DVI-D 24-pin x 1</td>
<td>BNC x 5</td>
<td>D-sub HD 15-pin x 1</td>
<td>D-sub HD 15-pin x 1</td>
<td>M3 x 2</td>
<td>M3 x 1</td>
<td>RJ-45 x 1</td>
<td>12.17-25.4 (50-100 in)*7</td>
</tr>
<tr>
<td>PT-RZ120L</td>
<td>BNC x 1 (3G/HD/SD-SDI)</td>
<td>HDMI 19-pin x 1</td>
<td>DVI-D 24-pin x 1</td>
<td>BNC x 5</td>
<td>D-sub HD 15-pin x 1</td>
<td>D-sub HD 15-pin x 1</td>
<td>M3 x 2</td>
<td>M3 x 1</td>
<td>RJ-45 x 1</td>
<td>12.17-25.4 (50-100 in)*7</td>
</tr>
</tbody>
</table>

### Power supply

<table>
<thead>
<tr>
<th>Model</th>
<th>Power consumption</th>
<th>BTU value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-RZ120</td>
<td>1,000 W [109 4,5 A, 50/60 Hz]</td>
<td>Max. 3,584 BTU</td>
</tr>
<tr>
<td>PT-RZ120L</td>
<td>1,000 W [109 4,5 A, 50/60 Hz]</td>
<td>Max. 3,584 BTU</td>
</tr>
</tbody>
</table>

### Weight

<table>
<thead>
<tr>
<th>Model</th>
<th>Approx. 23.4 kg/51.9 lbs (PT-RZ120L)</th>
<th>Approx. 22.8 kg/49.9 lbs (PT-RZ120)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-RZ970</td>
<td>Approx. 23.3 kg/51.1 lbs (PT-RZ970L)</td>
<td>Approx. 22.6 kg/49.4 lbs (PT-RZ970)</td>
</tr>
<tr>
<td>PT-RZ970L</td>
<td>Approx. 23.3 kg/51.1 lbs (PT-RZ970L)</td>
<td>Approx. 22.6 kg/49.4 lbs (PT-RZ970L)</td>
</tr>
</tbody>
</table>

### Optional accessories

<table>
<thead>
<tr>
<th>Model</th>
<th>ET-PKD313H (High ceiling mount bracket)</th>
<th>ET-PKD120S (Low ceiling mount bracket)</th>
<th>ET-PKD313B (Attachment for ceiling mount bracket)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-RZ120</td>
<td>ET-PKD313H [High ceiling mount bracket]</td>
<td>ET-PKD120S [Low ceiling mount bracket]</td>
<td>ET-PKD313B [Attachment for ceiling mount bracket]</td>
</tr>
<tr>
<td>PT-RZ120L</td>
<td>ET-PKD313H [High ceiling mount bracket]</td>
<td>ET-PKD120S [Low ceiling mount bracket]</td>
<td>ET-PKD313B [Attachment for ceiling mount bracket]</td>
</tr>
</tbody>
</table>

### Optional lens

<table>
<thead>
<tr>
<th>Model</th>
<th>Yes (see the Optional Lenses page: P47)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-RZ120</td>
<td>Yes (see the Optional Lenses page: P47)</td>
</tr>
<tr>
<td>PT-RZ120L</td>
<td>Yes (see the Optional Lenses page: P47)</td>
</tr>
<tr>
<td>PT-RZ970</td>
<td>Yes (see the Optional Lenses page: P47)</td>
</tr>
<tr>
<td>PT-RZ970L</td>
<td>Yes (see the Optional Lenses page: P47)</td>
</tr>
</tbody>
</table>

### Information

- *1: After approximately 20,000 hours, cleaning needs to be performed by the vendor which you purchased from. The light source’s lifetime may be shortened due to environmental conditions and operating mode. *2: The lens shift cannot be used with a fixed-focus lens.
- *8: Luminance measured at center of screen, [°]: 1-27.58 m (50-200 in) with the ET-DLE505, 2.54-7.62 m (100-300 in) with the ET-DLE300. *9: Vertical: +50%/-16% at 1.27-15.24 m (50-600 in) for the lens-less models.
- *10: Vertical: +50%/-16% at 1.27-15.24 m (50-600 in) for the lens-less models.
### Installation

**Projector type**
- PT-RZ770
- PT-RZ770L
- PT-RW730
- PT-RW730L
- PT-RZ660
- PT-RZ660L
- PT-RW620
- PT-RW620L

**Panel size**
- 1-Chip DLP™ Projector

**Aspect ratio**
- 16:10

**Number of pixels**
- 2,304,000 [1,920 x 1,200] pixels

**Light source**
- Laser diode

**Light output**
- 7,000 lm / 7,200 lm (Center)*7

**Screen size (diagonal)**
- 1.27-15.24 m (50-600 in)*9

**Lens (throw ratio)**
- F 1.7-1.9, 25.6-35.7 mm (1.7-2.4:1) (PT-RZ770)

**Filter Replacement Cycle**
- (No filter)

**Terminals**
- SDI in [BNC x 1 (3G/HD/SD-SDI)]
- HDMI in [HDMI 19-pin x 1]
- DVI-D in [DVI-D 24-pin x 1]
- RGB 1 in [BNC x 5]
- RGB 2 in [D-sub HD 15-pin x 1]
- Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)]
- Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)]
- Remote 1 in/out [M3 x 2]
- Remote 2 in [D-sub 9-pin x 1]
- LAN/DIGITAL LINK/Art-net [RJ-45 x 1]

**Power supply**
- 100-240 V AC, 8.3-3.3 A, 50/60 Hz

**Power consumption**
- 825 W

**BTU value**
- 11 12

**Weight**
- 23.2 kg/51.1 lbs

**Optional accessories**
- ET-PKD130H (High ceiling mount bracket)
- ET-PKD120S (Low ceiling mount bracket)
- ET-PKD130B (Attachment for ceiling mount bracket)
- ET-YFB2000 (DIGITAL LINK Switcher)
- ET-YFB1000 (Digital Interface Box)
- ET-UK20 (Geometry Manager Pro Upgrade kit)
- ET-CUK10/ET-CUK10P (Auto Screen Adjustment Upgrade Kit)

**Optional lens**
- Yes (see the Optional Lenses page: P47)

### Specifications

**Light output**
- 6,000 lm / 6,200 lm (Center)*7

**Resolution**
- WUXGA (1,920 x 1,200)
- WXGA (1,280 x 800)

**Contrast ratio (full on/full off)**
- 10,000:1

**Screen size (diagonal)**
- 1.27-15.24 m (50-600 in)*9

**Lens shift**
- Vertical: +50%/-16% (powered)
- Horizontal: +30%/-10% (powered)

**Installation**
- Large-Venue Installation
- Portable Short Throw
- Space Player

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*1: After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from). The light source's lifetime may be shortened due to environmental conditions and operating mode. *2: The lens shift cannot be used with a fixed-focus lens. *3: Height: with legs at shortest position. *4: Depth: including the supplied lens. Depth: 538 mm (21-3/16 in) for the lens-less models.

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*5: Average value. Each product has an individual variable in weight. *6: Lens-less model. *7: Luminance measured at center of screen. *8: 1.27-5.08 m (50-200 in) with the ET-DLE505, 2.54-7.62 m (100-300 in) with the ET-DLE605. *9: Horizontal +28% with the ET-DLB60.
### Installation

**PT-RZ570**
- **Luminance** (WUXGA): 5,200 lm
- **Luminance (Center)**: 5,120 lm
- **Panel size**: 17.0 mm (0.67 in)
- **Aspect ratio**: 16:10
- **Number of pixels**: 2,304,000 (1,920 x 1,200) pixels
- **Light source**: Laser diode
- **Light output**: 5,000 lm / 5,200 lm (Center) *5
- **Time until light output**: 20,000 hours (NORMAL, SILENT)
- **Resolution**: WXGA (1,280 x 800)
- **Contrast ratio**: 20,000:1
- **Lens shift**: Vertical: +64 %/-44 %, Horizontal: ±35 %*10 (powered)
- **Filter Replacement Cycle**: 3-Chip DLP™ projector
- **Power consumption**: Max. 1,945 BTU
- **Operation noise**: 35 dB (NORMAL/ECO)/ 28 dB (QUIET)
- **Dimensions**: 560 x 205 x 443*11 mm (19-19/32 x 8-1/16 x 17-7/16*11 in)
- **Weight**: Approx. 16.6 kg/36.6 lbs

**PT-RZ575**
- **Luminance** (WUXGA): 5,200 lm
- **Luminance (Center)**: 5,120 lm
- **Panel size**: 17.0 mm (0.67 in)
- **Aspect ratio**: 16:10
- **Number of pixels**: 2,304,000 (1,920 x 1,200) pixels
- **Light source**: Laser diode
- **Light output**: 5,000 lm / 5,200 lm (Center) *5
- **Time until light output**: 20,000 hours (NORMAL, SILENT)
- **Resolution**: WXGA (1,280 x 800)
- **Contrast ratio**: 20,000:1
- **Lens shift**: Vertical: +64 %/-44 %, Horizontal: ±35 %*10 (powered)
- **Filter Replacement Cycle**: 3-Chip DLP™ projector
- **Power consumption**: Max. 1,945 BTU
- **Operation noise**: 35 dB (NORMAL/ECO)/ 28 dB (QUIET)
- **Dimensions**: 560 x 205 x 443*11 mm (19-19/32 x 8-1/16 x 17-7/16*11 in)
- **Weight**: Approx. 16.6 kg/36.6 lbs

**PT-MZ770L**
- **Luminance** (WUXGA): 8,000 lm
- **Panel size**: 17.0 mm (0.67 in)
- **Aspect ratio**: 16:10
- **Number of pixels**: 2,304,000 (1,920 x 1,200) pixels
- **Light source**: Laser diode
- **Light output**: 8,000 lm
- **Time until light output**: 20,000 hours (NORMAL, SILENT)
- **Resolution**: WXGA (1,280 x 800)
- **Contrast ratio**: 20,000:1
- **Lens shift**: Vertical: +64 %/-44 %, Horizontal: ±35 %*10 (powered)
- **Filter Replacement Cycle**: 3-Chip DLP™ projector
- **Power consumption**: Max. 1,945 BTU
- **Operation noise**: 35 dB (NORMAL/ECO)/ 28 dB (QUIET)
- **Dimensions**: 560 x 205 x 443*11 mm (19-19/32 x 8-1/16 x 17-7/16*11 in)
- **Weight**: Approx. 16.6 kg/36.6 lbs

**PT-MW730L**
- **Luminance** (WUXGA): 8,000 lm
- **Panel size**: 17.0 mm (0.67 in)
- **Aspect ratio**: 16:10
- **Number of pixels**: 2,304,000 (1,920 x 1,200) pixels
- **Light source**: Laser diode
- **Light output**: 8,000 lm
- **Time until light output**: 20,000 hours (NORMAL, SILENT)
- **Resolution**: WXGA (1,280 x 800)
- **Contrast ratio**: 20,000:1
- **Lens shift**: Vertical: +64 %/-44 %, Horizontal: ±35 %*10 (powered)
- **Filter Replacement Cycle**: 3-Chip DLP™ projector
- **Power consumption**: Max. 1,945 BTU
- **Operation noise**: 35 dB (NORMAL/ECO)/ 28 dB (QUIET)
- **Dimensions**: 560 x 205 x 443*11 mm (19-19/32 x 8-1/16 x 17-7/16*11 in)
- **Weight**: Approx. 16.6 kg/36.6 lbs

---

*1: After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from).
*2: The lens shift cannot be used with a fixed-focus lens.
*3: The life may be shortened due to environmental conditions and operating mode.
*4: The lens shift cannot be used with a fixed-focus lens.
*5: Luminance measured at center of screen.
*6: Lens-less model.
*7: HDMI/DIGITAL LINK input only.
*8: The optional ET-WM300 Wireless Module is required.
*9: 1.52-10.16 m (60-400 in) with the ET-ELW22.
*10: Vertical ±60% and horizontal ±30% with the ET-ELW22.
*11: Depth including the supplied lens. Depth: 428 mm (16-27/32 in) for the lens-less models.
### Installation

<table>
<thead>
<tr>
<th>Model</th>
<th>Light Output</th>
<th>Resolution</th>
<th>Aspect Ratio</th>
<th>Panel Size</th>
<th>Number of Pixels</th>
<th>Light Source</th>
<th>Light Output</th>
<th>Time until Light Output Decreases to 50%*7</th>
<th>Contrast Ratio (Full on/Full Off)</th>
<th>Screen Size (Diagonal)</th>
<th>Lens (Throw Ratio)</th>
<th>Lens Shift*1</th>
<th>Filter Replacement Cycle</th>
<th>Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-MZ70</td>
<td>5,000 lm</td>
<td>WXGA</td>
<td>16:10</td>
<td>3,000,000-1</td>
<td>3,072,000 pixels</td>
<td>Laser diode</td>
<td>5,000 lm</td>
<td>20,000 hours</td>
<td>1:02-10.16 m (40-400 in)**</td>
<td>1.02-10.16 m (40-400 in)**</td>
<td>F:1.7-2.3, 128.455 mm (1.6-2.8)</td>
<td>Vertical: ±67%*6,</td>
<td>360-degree free installation</td>
<td>360-degree free installation</td>
</tr>
<tr>
<td>PT-MW170</td>
<td>6,500 lm</td>
<td>WXGA</td>
<td>16:10</td>
<td>3,000,000-1</td>
<td>3,072,000 pixels</td>
<td>Laser diode</td>
<td>6,500 lm</td>
<td>20,000 hours</td>
<td>1:02-10.16 m (40-400 in)**</td>
<td>1.02-10.16 m (40-400 in)**</td>
<td>F:1.7-2.3, 128.455 mm (1.6-2.8)</td>
<td>Vertical: ±67%*6,</td>
<td>360-degree free installation</td>
<td>360-degree free installation</td>
</tr>
<tr>
<td>PT-MW270</td>
<td>5,500 lm</td>
<td>WXGA</td>
<td>16:10</td>
<td>3,000,000-1</td>
<td>3,072,000 pixels</td>
<td>Laser diode</td>
<td>5,500 lm</td>
<td>20,000 hours</td>
<td>1:02-10.16 m (40-400 in)**</td>
<td>1.02-10.16 m (40-400 in)**</td>
<td>F:1.7-2.3, 128.455 mm (1.6-2.8)</td>
<td>Vertical: ±67%*6,</td>
<td>360-degree free installation</td>
<td>360-degree free installation</td>
</tr>
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</table>

### Terminals

<table>
<thead>
<tr>
<th>Model</th>
<th>HDMI in [HDMI 19-pin x 2]</th>
<th>RGB 1 in [BNC x 5]</th>
<th>RGB 2 in [D-sub HD 15-pin x 1]</th>
<th>Video in</th>
<th>Monitor out</th>
<th>Audio in</th>
<th>Variable audio output</th>
<th>Serial in [D-sub 9-pin x 1]</th>
<th>Remote 1 in</th>
<th>Remote 2 in [M3 x 1]</th>
<th>LAN (RJ-45) x 1</th>
<th>LAN/DIGITAL LINK/Art-net (RJ-45) x 1</th>
<th>Viewer/Pairing [USB type-A x 1]</th>
<th>DC out</th>
<th>USB type-A x 1</th>
<th>[for power supply (DC 5V, up to 2A)] Wireless Module connecting [USB x 1 (for ET-WM300 only)]</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-MZ70</td>
<td>HDMI in [HDMI 19-pin x 2]</td>
<td>RGB 1 in [BNC x 5]</td>
<td>RGB 2 in [D-sub HD 15-pin x 1]</td>
<td>Video in</td>
<td>Monitor out</td>
<td>Audio in</td>
<td>Variable audio output</td>
<td>Serial in [D-sub 9-pin x 1]</td>
<td>Remote 1 in</td>
<td>Remote 2 in [M3 x 1]</td>
<td>LAN (RJ-45) x 1</td>
<td>LAN/DIGITAL LINK/Art-net (RJ-45) x 1</td>
<td>Viewer/Pairing [USB type-A x 1]</td>
<td>DC out</td>
<td>USB type-A x 1</td>
<td>[for power supply (DC 5V, up to 2A)] Wireless Module connecting [USB x 1 (for ET-WM300 only)]</td>
</tr>
<tr>
<td>PT-MZ70L</td>
<td>HDMI in [HDMI 19-pin x 2]</td>
<td>RGB 1 in [BNC x 5]</td>
<td>RGB 2 in [D-sub HD 15-pin x 1]</td>
<td>Video in</td>
<td>Monitor out</td>
<td>Audio in</td>
<td>Variable audio output</td>
<td>Serial in [D-sub 9-pin x 1]</td>
<td>Remote 1 in</td>
<td>Remote 2 in [M3 x 1]</td>
<td>LAN (RJ-45) x 1</td>
<td>LAN/DIGITAL LINK/Art-net (RJ-45) x 1</td>
<td>Viewer/Pairing [USB type-A x 1]</td>
<td>DC out</td>
<td>USB type-A x 1</td>
<td>[for power supply (DC 5V, up to 2A)] Wireless Module connecting [USB x 1 (for ET-WM300 only)]</td>
</tr>
</tbody>
</table>

### Power Consumption

<table>
<thead>
<tr>
<th>Model</th>
<th>Power supply</th>
<th>Power consumption</th>
<th>BTU value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-MZ70</td>
<td>100-240 V AC, 50/60 Hz</td>
<td>505 W</td>
<td>Max. 1,724 BTU</td>
</tr>
<tr>
<td>PT-MZ70L</td>
<td>100-240 V AC, 50/60 Hz</td>
<td>505 W</td>
<td>Max. 1,724 BTU</td>
</tr>
<tr>
<td>PT-MW170</td>
<td>100-240 V AC, 50/60 Hz</td>
<td>495 W</td>
<td>Max. 1,416 BTU</td>
</tr>
</tbody>
</table>

### Dimensions (W x H x D)*4

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions (W x H x D)</th>
<th>Weight*5</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-MZ70</td>
<td>560 x 205 x 443 mm (22-1/16 x 8-1/16 x 17-7/16 in)</td>
<td>Approx. 16.9 kg/37.3 lbs</td>
</tr>
<tr>
<td>PT-MZ70L</td>
<td>560 x 205 x 443 mm (22-1/16 x 8-1/16 x 17-7/16 in)</td>
<td>Approx. 16.9 kg/37.3 lbs</td>
</tr>
<tr>
<td>PT-MW170</td>
<td>560 x 205 x 443 mm (22-1/16 x 8-1/16 x 17-7/16 in)</td>
<td>Approx. 16.9 kg/37.3 lbs</td>
</tr>
<tr>
<td>PT-MW170L</td>
<td>560 x 205 x 443 mm (22-1/16 x 8-1/16 x 17-7/16 in)</td>
<td>Approx. 16.9 kg/37.3 lbs</td>
</tr>
</tbody>
</table>

### Optional Accessories

<table>
<thead>
<tr>
<th>Model</th>
<th>Optional Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-MZ70</td>
<td>ET-PKD210H High ceiling mount bracket</td>
</tr>
<tr>
<td>PT-MZ70L</td>
<td>ET-PKD210H (High ceiling mount bracket)</td>
</tr>
<tr>
<td>PT-MZ70</td>
<td>ET-PKD205S Low ceiling mount bracket</td>
</tr>
<tr>
<td>PT-MZ70L</td>
<td>ET-PKD205S (Low ceiling mount bracket)</td>
</tr>
<tr>
<td>PT-MZ70</td>
<td>ET-PKE301B (Attachment for ceiling mount bracket)</td>
</tr>
<tr>
<td>PT-MZ70L</td>
<td>ET-PKE301B (Attachment for ceiling mount bracket)</td>
</tr>
<tr>
<td>PT-MW170</td>
<td>ET-RMF100 (Replacement filter)</td>
</tr>
<tr>
<td>PT-MW170L</td>
<td>ET-RMF100 (Replacement filter)</td>
</tr>
<tr>
<td>PT-MZ70</td>
<td>ET-YFB2000 (DIGITAL LINK Switcher)</td>
</tr>
<tr>
<td>PT-MZ70L</td>
<td>ET-YFB2000 (DIGITAL LINK Switcher)</td>
</tr>
<tr>
<td>PT-MZ70</td>
<td>ET-YFB1000 (Digital Interface Box)</td>
</tr>
<tr>
<td>PT-MZ70L</td>
<td>ET-YFB1000 (Digital Interface Box)</td>
</tr>
<tr>
<td>PT-MZ70</td>
<td>ET-WM500 (Wireless Module)</td>
</tr>
<tr>
<td>PT-MZ70L</td>
<td>ET-WM500 (Wireless Module)</td>
</tr>
</tbody>
</table>

### Optional Lens

<table>
<thead>
<tr>
<th>Model</th>
<th>Optional Lens</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-MZ70</td>
<td>Yes (see the Optional Lenses page: P49)</td>
</tr>
<tr>
<td>PT-MZ70L</td>
<td>Yes (see the Optional Lenses page: P49)</td>
</tr>
<tr>
<td>PT-MW170</td>
<td>Yes (see the Optional Lenses page: P49)</td>
</tr>
<tr>
<td>PT-MW170L</td>
<td>Yes (see the Optional Lenses page: P49)</td>
</tr>
</tbody>
</table>
**Installation**

<table>
<thead>
<tr>
<th><strong>PT-DZ870</strong></th>
<th><strong>PT-DZ870L</strong></th>
<th><strong>PT-DW830</strong></th>
<th><strong>PT-DW830L</strong></th>
<th><strong>PT-DX100</strong></th>
<th><strong>PT-DX100L</strong></th>
<th><strong>PT-DZ780</strong></th>
<th><strong>PT-DZ780L</strong></th>
<th><strong>PT-DW750</strong></th>
<th><strong>PT-DW750L</strong></th>
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<tbody>
<tr>
<td>8,500 lm WUXGA</td>
<td>* Available in black/white cabinet.</td>
<td>8,500 lm WUXGA</td>
<td>* Available in black/white cabinet.</td>
<td>10,000 lm XGA</td>
<td>* Available in black/white cabinet.</td>
<td>7,000 lm WUXGA</td>
<td>* Available in black/white cabinet.</td>
<td>7,000 lm WUXGA</td>
<td>* Available in black/white cabinet.</td>
</tr>
</tbody>
</table>

**Projector type**
- 1-Chip DLP® Projector

**Panel size**
- 17.0 mm (0.67 in)
- 16.5 mm (0.65 in)

**Aspect ratio**
- 4:3
- 16:10

**Number of pixels**
- 2,304,000 [1,920 x 1,200] pixels
- 1,024,000 [1,280 x 800] pixels

**Light source**
- 420 W UHM Lamp x 2
- 420 W UHM Lamp x 2

**Light output**
- 8,500 lm
- 8,000 lm

**Time until light output declines to 50%**
- *6
- *6

**Resolution**
- WXGA
- WXGA

**Contrast ratio (full on/full off)**
- 10,000:1
- 10,000:1

**Screen size (diagonal)**
- 1.27-15.24 m (50-600 inches)
- 1.27-15.24 m (50-600 inches)

**Lens (throw ratio)**
- F1.7:1, 125-357.5 mm (17-24.1:1) (PT-DZ870)
- F1.7:1, 125-357.5 mm (17-24.1:1) (PT-DW830)

**Lens shift**
- Vertical: ±50 %, Horizontal: ±10 % (powered)
- Vertical: ±50 %, Horizontal: ±10 % (powered)

**Filter Replacement Cycle**
- No filter
- No filter

**Terminals**
- HDMI in [HDMI 19-pin x 1]
- HDMI in [HDMI 19-pin x 1]

**Power supply**
- 120-240 V AC, 50/60 Hz
- 120-240 V AC, 50/60 Hz

**Power consumption**
- 1,030 W
- 1,030 W

**BTU value**
- Max. 3,516 BTU
- Max. 3,516 BTU

**Operation noise**
- 40 dB (Dual, NORMAL/35 dB (Dual, ECO)
- 40 dB (Dual, NORMAL/35 dB (Dual, ECO)

**Dimensions (W x H x D)**
- 498 x 200 x 556 mm (19-19/32 x 7-7/8 x 21-7/8 in)
- 498 x 200 x 556 mm (19-19/32 x 7-7/8 x 21-7/8 in)

**Weight**
- Approx. 18 kg/40 lbs
- Approx. 18 kg/40 lbs

**Replacement lamp**
- ET-LAD120/ET-LAD120W
- ET-LAD120/ET-LAD120W

**Optional accessories**
- ET-PKD30H (High ceiling mount bracket)
- ET-PKD120S (Low ceiling mount bracket)
- ET-PKD20H (Attachment for ceiling mount bracket)
- ET-YFB2000 (DIGITAL LINK Switcher) ET-YFB1000 (Digital Interface Box)
- ET-ZK20 (Geometry Manager Pro Upgrade kit)
- ET-CU200K (Auto Screen Adjustment Upgrade kit)

**Optional lens**
- Yes (see the Optional Lenses page: P47)
- Yes (see the Optional Lenses page: P47)

**Projector type**
- 1-Chip DLP® Projector

**Panel size**
- 17.0 mm (0.67 in)
- 17.0 mm (0.67 in)

**Aspect ratio**
- 16:10
- 16:10

**Number of pixels**
- 2,304,000 [1,920 x 1,200] pixels
- 1,024,000 [1,280 x 800] pixels

**Light source**
- 420 W UHM Lamp x 2
- 420 W UHM Lamp x 2

**Light output**
- 8,500 lm
- 8,000 lm

**Time until light output declines to 50%**
- *6
- *6

**Resolution**
- WXGA
- WXGA

**Contrast ratio (full on/full off)**
- 10,000:1
- 10,000:1

**Screen size (diagonal)**
- 1.27-15.24 m (50-600 inches)
- 1.27-15.24 m (50-600 inches)

**Lens (throw ratio)**
- F1.7:1, 125-357.5 mm (17-24.1:1) (PT-DZ870)
- F1.7:1, 125-357.5 mm (17-24.1:1) (PT-DW830)

**Lens shift**
- Vertical: ±50 %, Horizontal: ±10 % (powered)
- Vertical: ±50 %, Horizontal: ±10 % (powered)

**Filter Replacement Cycle**
- No filter
- No filter

**Terminals**
- HDMI in [HDMI 19-pin x 1]
- HDMI in [HDMI 19-pin x 1]

**Power supply**
- 120-240 V AC, 50/60 Hz
- 120-240 V AC, 50/60 Hz

**Power consumption**
- 1,030 W
- 1,030 W

**BTU value**
- Max. 3,516 BTU
- Max. 3,516 BTU

**Operation noise**
- 40 dB (Dual, NORMAL/35 dB (Dual, ECO)
- 40 dB (Dual, NORMAL/35 dB (Dual, ECO)

**Dimensions (W x H x D)**
- 498 x 200 x 556 mm (19-19/32 x 7-7/8 x 21-7/8 in)
- 498 x 200 x 556 mm (19-19/32 x 7-7/8 x 21-7/8 in)

**Weight**
- Approx. 18 kg/40 lbs
- Approx. 18 kg/40 lbs

**Replacement lamp**
- ET-LAD120/ET-LAD120W
- ET-LAD120/ET-LAD120W

**Optional accessories**
- ET-PKD30H (High ceiling mount bracket)
- ET-PKD120S (Low ceiling mount bracket)
- ET-PKD20H (Attachment for ceiling mount bracket)
- ET-YFB2000 (DIGITAL LINK Switcher) ET-YFB1000 (Digital Interface Box)
- ET-ZK20 (Geometry Manager Pro Upgrade kit)
- ET-CU200K (Auto Screen Adjustment Upgrade kit)

**Optional lens**
- Yes (see the Optional Lenses page: P47)
- Yes (see the Optional Lenses page: P47)
## Installation

<table>
<thead>
<tr>
<th>Projector type</th>
<th>PT-DX820</th>
<th>PT-EZ770Z*6</th>
<th>PT-EW730Z*6</th>
<th>PT-EX800Z*6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>8,200 lm</strong></td>
<td><strong>6,500 lm</strong></td>
<td><strong>7,000 lm</strong></td>
<td><strong>7,500 lm</strong></td>
<td></td>
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<tr>
<td>XGA</td>
<td>XGA</td>
<td>WXGA</td>
<td>XGA</td>
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<tr>
<td><em>Available in black/white cabinet.</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Panel size | 17.8 mm (0.7 in) | 19.0 mm (0.76 in) | 19.0 mm (0.76 in) | 20.0 mm (0.79 in) |
| Aspect ratio | 4:3 | 16:10 | 16:10 | 4:3 |
| Number of pixels | 786,432 (1,024 x 768 pixels) | 2,304,000 (1,920 x 1,200) | 1,024,000 (1,280 x 800) pixels | 786,432 (1,024 x 768 pixels) |
| Light source | 310 W UHM Lamp x 2 | 400 W UHM Lamp | 400 W UHM Lamp | 400 W UHM Lamp |
| Light output | 8,200 lm | 6,500 lm | 7,000 lm | 7,500 lm |
| Time until light output declines to 50%* | 3,000 hours (NORMAL)/4,000 hours (ECO1)/4,500 hours (ECO2) | 3,000 hours (NORMAL)/4,000 hours (ECO1)/4,500 hours (ECO2) | 3,000 hours (NORMAL)/4,000 hours (ECO1)/4,500 hours (ECO2) | 3,000 hours (NORMAL)/4,000 hours (ECO1)/4,500 hours (ECO2) |

### HDMI in [HDMI 19-pin x 1]

- DVI-D in [DVI-D 24-pin x 1]
- DisplayPort in [DP-20P x 1]
- RGB 1 in [D-sub HD 15-pin x 1]
- RGB 2 in [BNC x 5]
- Video in [Pin jack x 1]
- Monitor out [D-sub 15-pin x 1]
- Audio in [M3 x 1]
- Audio out [M3 x 1]
- Serial in [D-sub 9-pin x 1 (RS-232C)]
- Remote 1 in (out M3 x 2)
- Remote 2 in (out M3 x 1)
- LAN/DIGITAL LINK [A产后 - (RJ-45 x 1)]

### DVI-D in [DVI-D 24-pin x 1]

- DisplayPort in [DP-20P x 1]
- RGB 1 in [D-sub HD 15-pin x 1]
- RGB 2 in [BNC x 5]
- Video in [Pin jack x 1]
- Monitor out [D-sub 15-pin x 1]
- Audio in [M3 x 1]
- Audio out [M3 x 1]
- Serial in [D-sub 9-pin x 1 (RS-232C)]
- Remote 1 in (out M3 x 2)
- Remote 2 in (out M3 x 1)
- LAN/DIGITAL LINK [RJ-45 x 1]

### Light output

- 530 x 177 x 445.5 mm (20-7/8 x 6-31/32 x 17-17/32 in.)

### Weight

- Approx. 10.6 kg/23.4 lbs (PT-EW730ZL: approx. 9.8 kg/21.6 lbs)
<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Light Source</th>
<th>Resolution</th>
<th>Screen Size (diagonal)</th>
<th>Lens throw ratio</th>
<th>Lens Shift</th>
<th>Filter Replacement Cycle</th>
<th>Installation</th>
<th>Terminals</th>
<th>Power consumption</th>
<th>BTU value</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-EZ590L</td>
<td>LCD Projector</td>
<td>WXGA</td>
<td>1,024,000 (1,280 x 800) pixels x 3, total of 2,359,296 pixels</td>
<td>1:2.16 - 1:1.71</td>
<td>1200 l</td>
<td>Vertical: ±60 %, Horizontal: ±30 % (powered)</td>
<td>15,000 hours</td>
<td>HDMI in [HDMI 19-pin x 1]</td>
<td>100-240 V AC, 5-3-2 A, 50/60 Hz</td>
<td>10W (monaural)</td>
<td>10W (monaural)</td>
<td>10W (monaural)</td>
</tr>
<tr>
<td>PT-EW650L</td>
<td>LCD Projector</td>
<td>WXGA</td>
<td>1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels</td>
<td>2:12.16 - 2:1.71</td>
<td>1200 l</td>
<td>Vertical: ±60 %, Horizontal: ±30 % (powered)</td>
<td>15,000 hours</td>
<td>HDMI in [HDMI 19-pin x 1]</td>
<td>100-240 V AC, 5-3-2 A, 50/60 Hz</td>
<td>10W (monaural)</td>
<td>10W (monaural)</td>
<td>10W (monaural)</td>
</tr>
<tr>
<td>PT-EW550L</td>
<td>LCD Projector</td>
<td>WXGA</td>
<td>1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels</td>
<td>2:12.16 - 2:1.71</td>
<td>1200 l</td>
<td>Vertical: ±60 %, Horizontal: ±30 % (powered)</td>
<td>15,000 hours</td>
<td>HDMI in [HDMI 19-pin x 1]</td>
<td>100-240 V AC, 5-3-2 A, 50/60 Hz</td>
<td>10W (monaural)</td>
<td>10W (monaural)</td>
<td>10W (monaural)</td>
</tr>
<tr>
<td>PT-EX620L</td>
<td>LCD Projector</td>
<td>WXGA</td>
<td>1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels</td>
<td>2:12.16 - 2:1.71</td>
<td>1200 l</td>
<td>Vertical: ±60 %, Horizontal: ±30 % (powered)</td>
<td>15,000 hours</td>
<td>HDMI in [HDMI 19-pin x 1]</td>
<td>100-240 V AC, 5-3-2 A, 50/60 Hz</td>
<td>10W (monaural)</td>
<td>10W (monaural)</td>
<td>10W (monaural)</td>
</tr>
</tbody>
</table>

*1: The usage environment affects the lamp replacement cycle.
*2: With legs at shortest position.
*3: Depth: including the supplied lens. Depth: 358 mm (14-3/32 inches) for the lens-less models.
*4: Average value. Each product has an individual variable in weight.
*5: Lens-less model.
*6: The optional ET-WML100 Wireless Module is required.
### PT-FZ570
- **Light output:** 4,500 lm
- **Resolution:** WXGA (1,280 x 800)
- **Light source:** 2,304,000 (1,920 x 1,200) pixels x 3, total of 3,072,000 pixels
- **Color:** 786,632 (1,024 x 768) pixels
- **Lens throw ratio:** F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1)
- **Installation:** Ceiling/standard, front/rear
- **Terminals:** HDMI in [HDMI 19-pin x 2]
- **Light output time:** Normal: 6,000 hours
- **Contrast ratio:** Normal: 1500:1
- **Screen size:** 1.027-7.62 m (40-300 in)
- **Input/output ports:** HDMI in [HDMI 19-pin x 2]
- **Built-in:** Speaker (10 W, mono)
- **Dimensions:** 418 x 251 x 398.3 mm (16.4 x 9.9 x 15.7 in)
- **Weight:** Approx. 7.9 kg (17.4 lbs)

### PT-FW530
- **Light output:** 4,500 lm
- **Resolution:** WXGA (1,280 x 800)
- **Light source:** 2,304,000 (1,920 x 1,200) pixels x 3, total of 3,072,000 pixels
- **Color:** 786,632 (1,024 x 768) pixels
- **Lens throw ratio:** F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1)
- **Installation:** Ceiling/standard, front/rear
- **Terminals:** HDMI in [HDMI 19-pin x 2]
- **Light output time:** Normal: 6,000 hours
- **Contrast ratio:** Normal: 1500:1
- **Screen size:** 1.027-7.62 m (40-300 in)
- **Input/output ports:** HDMI in [HDMI 19-pin x 2]
- **Built-in:** Speaker (10 W, mono)
- **Dimensions:** 418 x 251 x 398.3 mm (16.4 x 9.9 x 15.7 in)
- **Weight:** Approx. 7.9 kg (17.4 lbs)

### PT-FX500
- **Light output:** 5,000 lm
- **Resolution:** XGA (1,024 x 768)
- **Light source:** 2,304,000 (1,920 x 1,200) pixels x 3, total of 3,072,000 pixels
- **Color:** 786,632 (1,024 x 768) pixels
- **Lens throw ratio:** F 1.6-2.2, f 17.1-31.7 mm (1.32-2.44:1)
- **Installation:** Ceiling/standard, front/rear
- **Terminals:** HDMI in [HDMI 19-pin x 2]
- **Light output time:** Normal: 6,000 hours
- **Contrast ratio:** Normal: 1500:1
- **Screen size:** 1.027-7.62 m (40-300 in)
- **Input/output ports:** HDMI in [HDMI 19-pin x 2]
- **Built-in:** Speaker (10 W, mono)
- **Dimensions:** 418 x 251 x 398.3 mm (16.4 x 9.9 x 15.7 in)
- **Weight:** Approx. 7.9 kg (17.4 lbs)
### Portable Projectors

<table>
<thead>
<tr>
<th>Model</th>
<th>Resolution</th>
<th>Brightness</th>
<th>Type</th>
<th>Accessories</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-VMZ60</td>
<td>WXGA</td>
<td>6,000 lm</td>
<td>LCD</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PT-VMZ50</td>
<td>WXGA</td>
<td>5,000 lm</td>
<td>LCD</td>
<td>-</td>
<td>-</td>
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<tr>
<td>PT-VMZ40</td>
<td>WXGA</td>
<td>4,500 lm</td>
<td>LCD</td>
<td>-</td>
<td>-</td>
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<tr>
<td>PT-VMW60</td>
<td>WXGA</td>
<td>6,000 lm</td>
<td>LCD</td>
<td>-</td>
<td>-</td>
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<tr>
<td>PT-VMW50</td>
<td>WXGA</td>
<td>5,000 lm</td>
<td>LCD</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

#### Specifications

- **Projector type:** LCD Projector
- **Panel size:** 16.3 mm (0.64 in)
- **Aspect ratio:** 16:10
- **Number of pixels:**
  - PT-VMZ60: 2,304,000 (1,920 x 1,200) x 3
  - PT-VMZ50: 2,304,000 (1,920 x 1,200) x 3
  - PT-VMZ40: 2,304,000 (1,920 x 1,200) x 3
  - PT-VMW60: 1,024,000 (1,280 x 800) pixels x 3
  - PT-VMW50: 1,024,000 (1,280 x 800) pixels x 3
- **Light source:** Laser diode
- **Light output:**
  - PT-VMZ60: 6,000 lm
  - PT-VMZ50: 5,000 lm
  - PT-VMZ40: 4,500 lm
  - PT-VMW60: 6,000 lm
  - PT-VMW50: 5,000 lm
- **Time until light output declines to 50%:**
  - PT-VMZ60: 20,000 hours (NORMAL)*5
  - PT-VMZ50: 20,000 hours (NORMAL)*5
  - PT-VMZ40: 20,000 hours (NORMAL)*5
  - PT-VMW60: 20,000 hours (NORMAL)*5
  - PT-VMW50: 20,000 hours (NORMAL)*5
- **Contrast ratio (full on/full off):**
  - PT-VMZ60: 3,000:1
  - PT-VMZ50: 3,000:1
  - PT-VMW60: 3,000:1
  - PT-VMW50: 3,000:1
- **Screen size (diagonal):**
  - PT-VMZ60: 76.7-76.2 m (300 in)
  - PT-VMZ50: 76.7-76.2 m (300 in)
  - PT-VMW60: 76.7-76.2 m (300 in)
  - PT-VMW50: 76.7-76.2 m (300 in)
- **Lens throw ratio:**
  - PT-VMZ60: F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)
  - PT-VMZ50: F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)
  - PT-VMW60: F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)
  - PT-VMW50: F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)
- **Lens shift:**
  - Vertical: ±44 %
  - Horizontal: ±20 % (manual)
- **Filter Replacement Cycle:**
  - PT-VMZ60: 20,000 hours*6
  - PT-VMZ50: 20,000 hours*6
  - PT-VMW60: 20,000 hours*6
  - PT-VMW50: 20,000 hours*6
- **Terminals:**
  - HDMI 1/2 in [HDMI 19-pin x 2]
  - Computer 1 in [D-sub HD 15-pin x 2]
  - Computer 2 in/out [D-sub HD 15-pin x 1]
  - Video in [Pin jack x 1]
  - Audio in [M3 x 1]
  - Audio in [Pin jack x 2 (L, R)]
  - Audio out [M3 x 1]
  - Serial in [D-sub 9-pin x 1 (RS-232C)]
  - LAN [RJ-45 x 1]
  - LAN/DIGITAL LINK [RJ-45 x 1]
  - USB [USB type-A x 1]
  - USB [USB type-A x 1]
  - USB [USB type-A x 1]
  - USB [USB type-A x 1]
  - HDMI 1/2 in [HDMI 19-pin x 2]
  - Computer 1 in [D-sub HD 15-pin x 1]
  - Computer 2 in/out [D-sub HD 15-pin x 1]
  - Video in [Pin jack x 1]
  - Audio in [M3 x 1]
  - Audio in [Pin jack x 2 (L, R)]
  - Audio out [M3 x 1]
  - Serial in [D-sub 9-pin x 1 (RS-232C)]
  - LAN [RJ-45 x 1]
  - LAN/DIGITAL LINK [RJ-45 x 1]
  - USB [USB type-A x 1]
  - USB [USB type-A x 1]
  - USB [USB type-A x 1]
  - USB [USB type-A x 1]
- **Power supply:**
  - 100-240 V AC, 50/60 Hz
  - 100-240 V AC, 50/60 Hz
  - 100-240 V AC, 50/60 Hz
  - 100-240 V AC, 50/60 Hz
  - 100-240 V AC, 50/60 Hz
- **Power consumption:**
  - 370 W
  - 370 W
  - 370 W
  - 370 W
  - 370 W
- **Built-in speaker:**
  - 10 W (monaural)
  - 10.0 W (monaural)
  - 10.0 W (monaural)
  - 10.0 W (monaural)
  - 10.0 W (monaural)
- **Operation noise:**
  - 37 dB (NORMAL/27 dB) (QUIET)
  - 37 dB (NORMAL/27 dB) (QUIET)
  - 37 dB (NORMAL/27 dB) (QUIET)
  - 37 dB (NORMAL/27 dB) (QUIET)
  - 37 dB (NORMAL/27 dB) (QUIET)
- **Dimensions (W x H x D):**
  - (15-23/32 x 5-1/4 x 13-11/16 in)
  - (15-23/32 x 5-1/4 x 13-11/16 in)
  - (15-23/32 x 5-1/4 x 13-11/16 in)
  - (15-23/32 x 5-1/4 x 13-11/16 in)
  - (15-23/32 x 5-1/4 x 13-11/16 in)
- **Weight:**
  - Approx. 7.2 kg/15.9 lbs
  - Approx. 7.2 kg/15.9 lbs
  - Approx. 7.2 kg/15.9 lbs
  - Approx. 7.2 kg/15.9 lbs
  - Approx. 7.2 kg/15.9 lbs

#### Accessories

- **Replacement lamp**
  - ET-PKL100H (High ceiling mount bracket)
  - ET-PKL100S (Low ceiling mount bracket)
  - ET-PKV400B (Bracket assembly)
  - ET-RFV500 (Replacement filter unit)
  - ET-YFB200G (DIGITAL LINK Switcher)
  - ET-YFB100G (Digital Interface Box)
  - AJ-YWM50 (Wireless Module)

- **Optional accessories**
  - ET-PKL100H (High ceiling mount bracket)
  - ET-PKL100S (Low ceiling mount bracket)
  - ET-PKV400B (Bracket assembly)
  - ET-RFV500 (Replacement filter unit)
  - ET-YFB200G (DIGITAL LINK Switcher)
  - ET-YFB100G (Digital Interface Box)
  - AJ-YWM50 (Wireless Module)

*1: *Height: with legs at shortest position. *2: Average value. Each product has an individual variable in weight. *3: Support’s signals up to 4K30p. Images are converted to 1920 x 1200 for PT-VMZ60/VMZ50/VMZ60 and 1280 x 800 for PT-VMW60/VMW50. Applicable terminals: DIGITAL LINK terminal/HDMI terminal. *4: The optional Wireless Module is required. *5: After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from). The light source’s lifetime may be shortened due to environmental conditions and operating mode. *6: Filter cleaning cycle: 20,000 hours (under the dust conditions of 0.08 mg/m³), 10,000 hours (under the dust conditions of 0.15 mg/m³).
<table>
<thead>
<tr>
<th>Model</th>
<th>5,500 lm</th>
<th>5,000 lm</th>
<th>5,500 lm</th>
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</thead>
<tbody>
<tr>
<td>PT-VZ585N</td>
<td>WUXGA</td>
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</tbody>
</table>

**Projector type**
- LCD Projector

**Panel size**
- 16:10

**Aspect ratio**
- 16:10

**Number of pixels**
- 2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels
- 1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels
- 786,432 (1,024 x 768) pixels

**Light source**
- 280 W UHM Lamp

**Light output**
- 5,500 lm

**Time until light output declines to 50%**
- 5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2)

**Resolution**
- WUXGA (1,920 x 1,200)
- WXGA (1,280 x 800)
- XGA (1,024 x 768)

**Contrast ratio (full on/full off)**
- 16,000:1

**Screen size (diagonal)**
- F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)

**Filter Replacement Cycle**
- 7,000 hours

**Terminals**
- HDMI 1/2 in (HDMI 19-pin x 2)
- Computer 1 in [D-sub HD 15-pin x 1]
- Computer 2 in/out [D-sub HD 15-pin x 1]
- Audio in [M3 x 1]
- Audio out [M3 x 1]
- Serial in [D-sub 9-pin x 1 (RS-232C)]
- LAN/DIGITAL LINK [RJ-45 x 1]
- USB [USB type-A x 1]
- [for Memory Viewer/Pairing]

**Power supply**
- 120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)

**Built-in speaker**
- 10 W (monaural)

**Operation noise**
- 37 dB (NORMAL/35 dB (ECO1)/29 dB (ECO2))

**Dimensions (W x H x D)**
- 389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)

**Weight**
- Approx. 4.9 kg/10.8 lbs

**Replacement lamp**
- ET-LAV400
- ET-PKL100H (High ceiling mount bracket)
- ET-PKL110S (Low ceiling mount bracket)
- ET-PKV400B (Bracket assembly)
- ET-RPA10 (Replacement filter unit)
- ET-YFB200D (DIGITAL LINK Switcher)
- ET-YFB100G (Digital Interface Box)

**Additional notes**
*1: The usage environment affects the lamp replacement cycle.
*2: Height: with legs at shortest position.
*3: Average value. Each product has an individual variable in weight.
<table>
<thead>
<tr>
<th></th>
<th>PT-VX610</th>
<th>PT-VZ470&lt;sup&gt;4&lt;/sup&gt;</th>
<th>PT-VW360</th>
<th>PT-VX430</th>
</tr>
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<tbody>
<tr>
<td><strong>Projector type</strong></td>
<td>LCD Projector</td>
<td>LCD Projector</td>
<td>LCD Projector</td>
<td>LCD Projector</td>
</tr>
<tr>
<td><strong>Panel size</strong></td>
<td>4.000 lm</td>
<td>4,500 lm</td>
<td>4,000 lm</td>
<td>4,400 lm</td>
</tr>
<tr>
<td><strong>Aspect ratio</strong></td>
<td>160 mm (0.63 in)</td>
<td>16.3 mm (0.64 in)</td>
<td>15.0 mm (0.59 in)</td>
<td>16.0 mm (0.63 in)</td>
</tr>
<tr>
<td><strong>Number of pixels</strong></td>
<td>2,304,000 x 3,102,000 pixels</td>
<td>2,280,000 pixels</td>
<td>2,280,000 pixels</td>
<td>2,280,000 pixels</td>
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<tr>
<td><strong>Light source</strong></td>
<td>WUXGA</td>
<td>WXGA</td>
<td>WXGA</td>
<td>WXGA</td>
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<tr>
<td><strong>Light output</strong></td>
<td>786,432 (1,024 x 768 pixels)</td>
<td>786,432 (1,024 x 768 pixels)</td>
<td>786,432 (1,024 x 768 pixels)</td>
<td>786,432 (1,024 x 768 pixels)</td>
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<tr>
<td><strong>Time until light output</strong></td>
<td>5,500 lamp</td>
<td>4,400 lamp</td>
<td>4,000 lamp</td>
<td>4,500 lamp</td>
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<tr>
<td><strong>Resolution</strong></td>
<td>XGA (1,024 x 768)</td>
<td>WXGA (1,280 x 800)</td>
<td>WXGA (1,280 x 800)</td>
<td>WXGA (1,280 x 800)</td>
</tr>
<tr>
<td><strong>Contrast ratio</strong></td>
<td>16,000:1</td>
<td>10,000:1</td>
<td>20,000:1</td>
<td>20,000:1</td>
</tr>
<tr>
<td><strong>Screen size (diagonal)</strong></td>
<td>16.00 mm (0.63 in)</td>
<td>16.3 mm (0.64 in)</td>
<td>15.0 mm (0.59 in)</td>
<td>16.0 mm (0.63 in)</td>
</tr>
<tr>
<td><strong>Lens throw ratio</strong></td>
<td>F 1.00-1.90, 15.31-24.64 mm (1.00-1.90, 15.31-24.64 mm)</td>
<td>F 1.60-1.90, 15.31-26.24 mm (1.60-1.90, 15.31-26.24 mm)</td>
<td>F 1.60-1.90, 15.31-26.24 mm (1.60-1.90, 15.31-26.24 mm)</td>
<td>F 1.60-1.90, 15.31-26.24 mm (1.60-1.90, 15.31-26.24 mm)</td>
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<tr>
<td><strong>Installation</strong></td>
<td>Ceiling/floor, front/rear</td>
<td>Ceiling/floor, front/rear</td>
<td>Ceiling/floor, front/rear</td>
<td>Ceiling/floor, front/rear</td>
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<tr>
<td><strong>Terminals</strong></td>
<td>HDMI 1/2 in [HDMI 19-pin x 2]</td>
<td>HDMI 1/2 in [HDMI 19-pin x 2]</td>
<td>HDMI 1/2 in [HDMI 19-pin x 2]</td>
<td>HDMI 1/2 in [HDMI 19-pin x 2]</td>
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<tr>
<td></td>
<td>Computer 1 in [D-sub HD 15-pin x 1]</td>
<td>Computer 1 in [D-sub HD 15-pin x 1]</td>
<td>Computer 1 in [D-sub HD 15-pin x 1]</td>
<td>Computer 1 in [D-sub HD 15-pin x 1]</td>
</tr>
<tr>
<td></td>
<td>Computer 1 in [D-sub HD 15-pin x 1]</td>
<td>Computer 2 in/1 out [D-sub HD 15-pin x 1]</td>
<td>Computer 2 in/1 out [D-sub HD 15-pin x 1]</td>
<td>Computer 2 in/1 out [D-sub HD 15-pin x 1]</td>
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<tr>
<td></td>
<td>Video in [Pin jack x 1]</td>
<td>Video in [Pin jack x 1]</td>
<td>Video in [Pin jack x 1]</td>
<td>Video in [Pin jack x 1]</td>
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<tr>
<td></td>
<td>Serial in [D-sub 9-pin x 1 (RS-232C)]</td>
<td>Serial in [D-sub 9-pin x 1 (RS-232C)]</td>
<td>Serial in [D-sub 9-pin x 1 (RS-232C)]</td>
<td>Serial in [D-sub 9-pin x 1 (RS-232C)]</td>
</tr>
<tr>
<td></td>
<td>LAN [RJ-45 x 1]</td>
<td>LAN [RJ-45 x 1]</td>
<td>LAN [RJ-45 x 1]</td>
<td>LAN [RJ-45 x 1]</td>
</tr>
<tr>
<td></td>
<td>USB [USB type-A x 1]</td>
<td>[for Memory Viewer/Wireless Module]</td>
<td>USB [USB type-A x 1]</td>
<td>[for Memory Viewer/Wireless Module]</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)</td>
<td>120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)</td>
<td>120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)</td>
<td>120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>385 W (North America), 480 W (other countries)</td>
<td>372 W (North America), 378 W (other countries)</td>
<td>372 W (North America), 378 W (other countries)</td>
<td>372 W (North America), 378 W (other countries)</td>
</tr>
<tr>
<td><strong>Built-in speaker</strong></td>
<td>400 W (North America), 480 W (other countries)</td>
<td>320 W</td>
<td>320 W</td>
<td>320 W</td>
</tr>
<tr>
<td><strong>Operation noise</strong></td>
<td>10.0 W (monaural)</td>
<td>10.0 W (monaural)</td>
<td>10.0 W (monaural)</td>
<td>10.0 W (monaural)</td>
</tr>
<tr>
<td><strong>Dimensions (W x H x D)</strong></td>
<td>389 x 125 x 332 mm (15-7/16 x 4-29/32 x 13-1/16 in)</td>
<td>389 x 125 x 332 mm (15-7/16 x 4-29/32 x 13-1/16 in)</td>
<td>389 x 125 x 332 mm (15-7/16 x 4-29/32 x 13-1/16 in)</td>
<td>389 x 125 x 332 mm (15-7/16 x 4-29/32 x 13-1/16 in)</td>
</tr>
<tr>
<td><strong>Weight</strong>&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Approx. 4.8 kg/10.6 lbs</td>
<td>Approx. 4.8 kg/10.6 lbs</td>
<td>Approx. 4.8 kg/10.6 lbs</td>
<td>Approx. 3.3 kg/7.3 lbs</td>
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<tr>
<td><strong>Replacement lamp</strong></td>
<td>ET-LAV400</td>
<td>ET-LAV400</td>
<td>ET-LAV400</td>
<td>ET-LAV400</td>
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<tr>
<td><strong>Optional accessories</strong></td>
<td>ET-PKL100H (High ceiling mount bracket)</td>
<td>ET-PKL100H (High ceiling mount bracket)</td>
<td>ET-PKL100H (High ceiling mount bracket)</td>
<td>ET-PKL100H (High ceiling mount bracket)</td>
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<tr>
<td></td>
<td>ET-PKL1100S (Low ceiling mount bracket)</td>
<td>ET-PKL1100S (Low ceiling mount bracket)</td>
<td>ET-PKL1100S (Low ceiling mount bracket)</td>
<td>ET-PKL1100S (Low ceiling mount bracket)</td>
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<tr>
<td></td>
<td>ET-PKV400B (Bracket assembly)</td>
<td>ET-PKV400B (Bracket assembly)</td>
<td>ET-PKV400B (Bracket assembly)</td>
<td>ET-PKV400B (Bracket assembly)</td>
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<tr>
<td></td>
<td>ET-SPH100 (Replacement filter unit)</td>
<td>ET-SPH100 (Replacement filter unit)</td>
<td>ET-SPH100 (Replacement filter unit)</td>
<td>ET-SPH100 (Replacement filter unit)</td>
</tr>
<tr>
<td></td>
<td>ET-WML100 (Wireless Module)</td>
<td>ET-WML100 (Wireless Module)</td>
<td>ET-WML100 (Wireless Module)</td>
<td>ET-WML100 (Wireless Module)</td>
</tr>
<tr>
<td></td>
<td>ET-ADSV (D-Sub/S-VIDEO conversion cable)</td>
<td>ET-ADSV (D-Sub/S-VIDEO conversion cable)</td>
<td>ET-ADSV (D-Sub/S-VIDEO conversion cable)</td>
<td>ET-ADSV (D-Sub/S-VIDEO conversion cable)</td>
</tr>
</tbody>
</table>

<sup>1</sup>: The usage environment affects the lamp replacement cycle.
<sup>2</sup>: Height: with legs at shortest position.
<sup>3</sup>: Average value. Each product has an individual variable in weight.
<sup>4</sup>: The availability varies depending on the country.
<sup>5</sup>: To operate wireless projection, the optional Wireless Module ET-WML100 is required.

* *
### Portable

<table>
<thead>
<tr>
<th>Projector type</th>
<th>Panel size</th>
<th>Aspect ratio</th>
<th>Number of pixels</th>
<th>Light output</th>
<th>Time until light output</th>
<th>Resolution</th>
<th>Contrast ratio</th>
<th>Screen size (diagonal)</th>
<th>Lens (throw ratio)</th>
<th>Filter Replacement Cycle</th>
<th>Installation</th>
<th>Terminals</th>
<th>Power supply</th>
<th>Power consumption</th>
<th>Built-in speaker</th>
<th>Operation noise</th>
<th>Dimensions (W x H x D)</th>
<th>Weight*3</th>
<th>Replacement lamp</th>
<th>Optional accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-LW375</td>
<td>16.0 mm (0.63 in)</td>
<td>4:3</td>
<td>1,024,000 (1,280 x 800) pixels</td>
<td>3,100 lm</td>
<td>10,000 hours (HIGH/20,000 hours (ECO)</td>
<td>WXGA</td>
<td>16,000:1</td>
<td>0.76-7.62 m (30-300 in)</td>
<td>F 1.60-1.76, 1.91-23.02 mm (1.48-1.78:1)</td>
<td>5,000 hours (NORMAL), 6,000 hours (ECO), 10,000 hours (QUIET)</td>
<td>Ceiling/ceiling, front/rear</td>
<td>HDMI in (HDMI 19-pin x 1)</td>
<td>100-240 V AC, 50/60 Hz</td>
<td>300 W</td>
<td>10.0 W (monaural)</td>
<td>39 dB (NORMAL), 39 dB (ECO)</td>
<td>ET-LAL510 (High ceiling mount bracket)</td>
<td>ET-PK100H (High ceiling mount bracket)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PT-LW335</td>
<td>16.0 mm (0.63 in)</td>
<td>4:3</td>
<td>1,024,000 (1,280 x 800) pixels</td>
<td>3,300 lm</td>
<td>10,000 hours (NORMAL), 10,000 hours (QUIET)</td>
<td>WXGA</td>
<td>16,000:1</td>
<td>0.76-7.62 m (30-300 in)</td>
<td>F 1.60-1.76, 1.91-23.02 mm (1.48-1.78:1)</td>
<td>5,000 hours (NORMAL), 6,000 hours (ECO), 10,000 hours (QUIET)</td>
<td>Ceiling/ceiling, front/rear</td>
<td>HDMI in (HDMI 19-pin x 1)</td>
<td>100-240 V AC, 50/60 Hz</td>
<td>300 W</td>
<td>10.0 W (monaural)</td>
<td>39 dB (NORMAL), 39 dB (ECO)</td>
<td>ET-LAL510 (High ceiling mount bracket)</td>
<td>ET-PK100H (High ceiling mount bracket)</td>
<td></td>
<td></td>
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<tr>
<td>PT-LB425</td>
<td>16.0 mm (0.63 in)</td>
<td>4:3</td>
<td>1,024,000 (1,280 x 800) pixels</td>
<td>4,100 lm</td>
<td>10,000 hours (NORMAL), 10,000 hours (QUIET)</td>
<td>XGA</td>
<td>16,000:1</td>
<td>0.76-7.62 m (30-300 in)</td>
<td>F 1.60-1.76, 1.91-23.02 mm (1.48-1.78:1)</td>
<td>5,000 hours (NORMAL), 6,000 hours (ECO), 10,000 hours (QUIET)</td>
<td>Ceiling/ceiling, front/rear</td>
<td>HDMI in (HDMI 19-pin x 1)</td>
<td>100-240 V AC, 50/60 Hz</td>
<td>300 W</td>
<td>10.0 W (monaural)</td>
<td>39 dB (NORMAL), 39 dB (ECO)</td>
<td>ET-LAL510 (High ceiling mount bracket)</td>
<td>ET-PK100H (High ceiling mount bracket)</td>
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<td></td>
</tr>
<tr>
<td>PT-LB385</td>
<td>16.0 mm (0.63 in)</td>
<td>4:3</td>
<td>1,024,000 (1,280 x 800) pixels</td>
<td>3,800 lm</td>
<td>10,000 hours (NORMAL), 10,000 hours (QUIET)</td>
<td>XGA</td>
<td>16,000:1</td>
<td>0.76-7.62 m (30-300 in)</td>
<td>F 1.60-1.76, 1.91-23.02 mm (1.48-1.78:1)</td>
<td>5,000 hours (NORMAL), 6,000 hours (ECO), 10,000 hours (QUIET)</td>
<td>Ceiling/ceiling, front/rear</td>
<td>HDMI in (HDMI 19-pin x 1)</td>
<td>100-240 V AC, 50/60 Hz</td>
<td>300 W</td>
<td>10.0 W (monaural)</td>
<td>39 dB (NORMAL), 39 dB (ECO)</td>
<td>ET-LAL510 (High ceiling mount bracket)</td>
<td>ET-PK100H (High ceiling mount bracket)</td>
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<tr>
<td>PT-LB355</td>
<td>16.0 mm (0.63 in)</td>
<td>4:3</td>
<td>1,024,000 (1,280 x 800) pixels</td>
<td>3,300 lm</td>
<td>10,000 hours (NORMAL), 10,000 hours (QUIET)</td>
<td>XGA</td>
<td>16,000:1</td>
<td>0.76-7.62 m (30-300 in)</td>
<td>F 1.60-1.76, 1.91-23.02 mm (1.48-1.78:1)</td>
<td>5,000 hours (NORMAL), 6,000 hours (ECO), 10,000 hours (QUIET)</td>
<td>Ceiling/ceiling, front/rear</td>
<td>HDMI in (HDMI 19-pin x 1)</td>
<td>100-240 V AC, 50/60 Hz</td>
<td>300 W</td>
<td>10.0 W (monaural)</td>
<td>39 dB (NORMAL), 39 dB (ECO)</td>
<td>ET-LAL510 (High ceiling mount bracket)</td>
<td>ET-PK100H (High ceiling mount bracket)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*1: The usage environment affects the lamp replacement cycle.
*2: Height: with legs at shortest position.
*3: Average value. Each product has an individual variable in weight.

*4: To operate wireless projection, the optional Wireless Module ET-WML100 is required.
Panasonic’s wireless projectors are designed for easy operation, and their multi-device and multi-connection capabilities give them advanced functions that greatly expand their usage.

**FEATURES**

**Why Choose a Panasonic Wireless Projector?**

Panasonic’s wireless projectors are designed for easy operation, and their multi-device and multi-connection capabilities give them advanced functions that greatly expand their usage.

**Convenient Wireless Features**

- **Mirroring — Full-screen Wireless Playback**
  - For Win
  - For Mac
  - For Android
  - Mirroring supports stutter-free audio and Full-HD video transmission from device to projector screen at 1:1.

**Panasonic’s Original Software**

- **Plug and Share**
  - For Win
  - For Mac
  - Simply insert a USB memory device with copies of projector installation files and an application into the PC. Then click the player icon, and transmit video and stills wirelessly to the projector—no software or network setup required.

- **Wireless Manager ME Software**
  - For Win
  - For Mac
  - These Apps allow wireless projection from tablet devices or smartphones. They can both be downloaded for free, the iOS version from the AppStore, and the Android version from Google Play.

**Moderator Mode and Cut-In Function**

Three modes allow the meeting chair to choose which participants’ devices may display content or present content uninterrupted via mirroring. Interactive mode enables open chairing.

**Wireless Projection by Optional Module**

- **ET-WML100**

  - The optional ET-WML100 wireless USB module allows wireless projection from Windows® PCs, iOS devices, or Android™ devices loaded with an appropriate app.

**Wireless Projection by Optional Module**

- **ET-WML100**

  - This application, supporting Windows computers, allows you to transfer images and audio to the projector via the wired LAN/wireless LAN.

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**Specifications**

- **Projector type:** LCD Projector
- **Panel size:** 16.0 mm (0.63 in)
- **Aspect ratio:** 4:3
- **Number of pixels:** 786,432 (1,024 x 768) pixels
- **Light source:** 230 W UHM Lamp
- **Light output:** 3,100 lm
- **Time until light output declines to 60%**
- **Resolution:** XGA (1,024 x 768)
- **Screen size (diagonal):** 0.76-7.62 m (30-300 in)
- **Lens (throw ratio):** F 2.1-2.25, f 19.11-22.94 mm (1.47-1.77:1)
- **Lens shift:** 6:1 [fixed]
- **Filter Replacement Cycle:** 5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)
- **Installation:** Ceiling/floor, front/rear
- **Terminals:** HDMI in [HDMI 19-pin x 1]
- **Computer in:** [D-sub HD 15-pin x 1]
- **Monitor out:** [D-sub HD 15-pin x 1]
- **Video in:** [Pin jack x 1]
- **Audio in 1:** [M3 x 1]
- **Audio out:** [M3 x 1]
- **Audio out:** [M3 x 1]
- **Serial in:** [D-sub 9-pin x 1 (RS-232C)]
- **USB:** [USB type-B x 1 (for service display)]
- **Power supply:** 100-240 V AC, 50/60 Hz
- **Power consumption:** 300 W
- **Built-in speaker:** 2.0 W (monaural)
- **Operation noise:** 39 dB (NORMAL)/35 dB (ECO)/30 dB (Quiet)
- **Dimensions (W x H x D):** 335 x 96 x 252 mm (13-3/16 x 3-7/32 x 9-29/32 in)
- **Weight:** Approx. 2.8 kg/6.2 lbs

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*1: The usage environment affects the lamp replacement cycle.
*2: Height with legs at shortest position.
*3: Average value. Each product has an individual variable in weight.

*4: For compatible models, see the “Function” and “Software” columns of the Feature Compatibility Chart on page 41 to 44.

*5: For compatible models, see the “Wireless Module” column of the Optional Accessories Chart on page 55 to 58.
## Short Throw

<table>
<thead>
<tr>
<th>Projector type</th>
<th>PT-TW371R</th>
<th>PT-TW370</th>
<th>PT-TX430</th>
<th>PT-TX340</th>
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</thead>
<tbody>
<tr>
<td>Light source</td>
<td>230 W UHM Lamp</td>
<td>230 W UHM Lamp</td>
<td>230 W UHM Lamp</td>
<td>230 W UHM Lamp</td>
</tr>
<tr>
<td>Light output</td>
<td>3,300 lm</td>
<td>3,200 lm</td>
<td>3,000 lm</td>
<td>3,000 lm</td>
</tr>
<tr>
<td>Time unit light output</td>
<td>10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)</td>
<td>10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)</td>
<td>10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)</td>
<td>10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)</td>
</tr>
<tr>
<td>Resolution</td>
<td>WXGA(1,280 x 800)</td>
<td>WXGA(1,280 x 800)</td>
<td>WXGA(1,280 x 800)</td>
<td>WXGA(1,280 x 800)</td>
</tr>
<tr>
<td>Contrast ratio</td>
<td>16,000:1</td>
<td>16,000:1</td>
<td>16,000:1</td>
<td>16,000:1</td>
</tr>
<tr>
<td>Lens throw ratio</td>
<td>F 1.8, f 6.8 mm (0.46:1)</td>
<td>F 1.8, f 6.8 mm (0.46:1)</td>
<td>F 1.8, f 6.8 mm (0.46:1)</td>
<td>F 1.8, f 6.8 mm (0.46:1)</td>
</tr>
<tr>
<td>Lens shift</td>
<td>7.25:1 (fixed)</td>
<td>7.25:1 (fixed)</td>
<td>21:1 (fixed)</td>
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<td>5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)</td>
<td>5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)</td>
<td>5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)</td>
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<td>USB [USB type-A x 1 (for Memory/Viewer/Wireless Module DC 5 V, up to 500 mA)]</td>
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<td>Operation noise</td>
<td>39 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)</td>
<td>39 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)</td>
<td>39 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)</td>
<td>39 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)</td>
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<tr>
<td>Dimensions (W x H x D)</td>
<td>335 x 134 x 329 mm (13-3/16 x 5-1/4 x 12-15/16 in)</td>
<td>335 x 134 x 329 mm (13-3/16 x 5-1/4 x 12-15/16 in)</td>
<td>335 x 134 x 329 mm (13-3/16 x 5-1/4 x 12-15/16 in)</td>
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<td>Weight*3</td>
<td>Approx. 3.9 kg/8.6 lbs</td>
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<td>Approx. 3.9 kg/8.6 lbs</td>
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**Short Throw Projection**

Close range projection reduces not only the shadows of the presenter but also the glare of the projection light, making lectures and meetings more comfortable.

*Projection distance for 80-inch screen: 75 cm (2.46 ft.)*

**Interactive function**

- You can write or draw figures on the projected image with the Interactive Pen/Pointer*. In addition, two users can write simultaneously, to make classes and presentations more effective.

*1: Interactive Pointer is optional.

**Convenient Interactive Features by LightPen3 Software**

- For more information, please visit the website.

*1: In addition, two users can write simultaneously, to make classes and presentations more effective.

*2: Available for Windows® operating systems.

*3: The usage environment affects the lamp replacement cycle.
Large-Venue Installation Portable Short Throw Space Player

Ideal for spaces that emphasize design. (2 main unit color choices: white and black)

Spotlight type design
Projection can cover all downward directions from the horizontal level.

Position-adjustable structure

Compatible with most replay systems
Image input: SD card, HDMI, wireless LAN

*Will not replay movies via wifi

360˚
90˚

Application Example

Surprise your guests with visual highlights, turning a visit into an unforgettable event.
Ambience-enhancing highlights can transform an evening meal into an exclusive dinner, leaving your guests not just satisfied, but delighted.

You can use the Space Player to project short biographies of artists and descriptions of their work—and show the exhibit in its best-possible form. Display art in a completely new light.

Restaurant

Museum

The Space Player is available in a Track Mount Type for installation on a duct rail, and a Direct Mount Type for installation on the ceiling or floor.

Direct Mount Type

PT-JX200F + ET-JPC200
(Mount bracket)

PT-JX200F + ET-JPF200
(Floor stand kit)

PT-JW130F + ET-JPC100
(Ceiling kit)

PT-JW130F + ET-JPF100
(Floor stand kit)

For more information about Space Player, please visit the website. >>> panasonic.net/cns/projector/products/spaceplayer/
## Features

### Specification

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### Features

#### Specification

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#### Installation

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#### Function

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*1: HDMI/DIGITAL LINK input only. Supports signal up to 4K/30p.
*2: To operate wireless projection, the optional Wireless Module required.
Optional Lenses for 3-Chip DLP™ Projector [Large-Venue]

Features Auto Lens Identification Function*1 Featuring Stepping Motor

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<td>Model number</td>
<td>ET-D3LEW10</td>
<td>ET-D75LE10</td>
<td>ET-D3LEW20</td>
<td>ET-D3LET30</td>
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<td>F-value</td>
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<td>Focal distance (f)</td>
<td>26.6-36.4 mm</td>
<td>27.4-35.4 mm</td>
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<td>Model number</td>
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<td>ET-D75LE40</td>
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<td>ET-D75LE8</td>
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<td>F-value</td>
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<td>Focal distance (f)</td>
<td>94.4-154.4 mm</td>
<td>94.6-154.1 mm</td>
<td>154-289 mm</td>
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<tr>
<td>Weight</td>
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| Optional Lenses Compatibility Chart |

<table>
<thead>
<tr>
<th>Model number</th>
<th>ET-D75LE95</th>
<th>ET-D3LEU100</th>
<th>ET-D3LEW200</th>
<th>ET-D3LEW50</th>
<th>ET-D3LEW60</th>
<th>ET-D75LE6</th>
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<tbody>
<tr>
<td>4K* [0.395:1]</td>
<td>WUXGA, Full HD [0.344:1]</td>
<td>SXGA [0.394:1]</td>
<td>WUXGA [0.40:1]</td>
<td>SXGA+ [0.71-0.92:1]</td>
<td>WUXGA [0.695:1]</td>
<td>SXGA+ [0.752:1]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model number</th>
<th>ET-D3LEW10</th>
<th>ET-D3LEW20</th>
<th>ET-D3LEW50</th>
<th>ET-D3LEW60</th>
<th>ET-D75LE6</th>
</tr>
</thead>
<tbody>
<tr>
<td>4K* [0.774:1]</td>
<td>WUXGA, Full HD [0.695:1]</td>
<td>SXGA+ [1.01-1.19:1]</td>
<td>WUXGA [1.03-1.22:1]</td>
<td>WUXGA [0.774:1]</td>
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<table>
<thead>
<tr>
<th>Model number</th>
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<table>
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<thead>
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</thead>
<tbody>
<tr>
<td>4K* [4.9-7.94:1]</td>
<td>WUXGA [4.41-4.74:1]</td>
</tr>
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</table>

*1: Calibration is required each time the lens is mounted.
*2: Operation with the ET-PLF10 Lens Fixed Attachment is recommended.
*3: Projector may require the latest firmware update.
*4: Auto Lens Identification Function not available. Need to add footnote details as confirmation.
### Optional Lenses for 1-Chip DLP™ Projector (Installation)

<table>
<thead>
<tr>
<th>Lens type</th>
<th>Zoom lens</th>
<th>Fixed-focus lens</th>
<th>Fixed-focus lens</th>
<th>Zoom lens</th>
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<tbody>
<tr>
<td><strong>Model number</strong></td>
<td><strong>ET-DLE020</strong></td>
<td><strong>ET-DLE035</strong></td>
<td><strong>ET-DLE055</strong></td>
<td><strong>ET-DLE060</strong></td>
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<tr>
<td><strong>F value</strong></td>
<td>2.0</td>
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<td>1.85-2.34</td>
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<tr>
<td><strong>Focal distance (f)</strong></td>
<td>4.1-4.4 mm</td>
<td>5.3 mm</td>
<td>11.9 mm</td>
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<td><strong>Weight</strong></td>
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<table>
<thead>
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<th>Lens type</th>
<th>Zoom lens</th>
<th>Zoom lens</th>
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<th>Zoom lens (supplied lens)*</th>
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<tbody>
<tr>
<td><strong>Model number</strong></td>
<td><strong>ET-DLE085</strong></td>
<td><strong>ET-DLE105</strong></td>
<td><strong>ET-DLE150</strong></td>
<td><strong>ET-DLE170</strong></td>
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<td><strong>F value</strong></td>
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<td><strong>Focal distance (f)</strong></td>
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### Optional Lenses Compatibility Chart

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<th>ET-DLE055</th>
<th>ET-DLE060</th>
<th>ET-DLE085</th>
<th>ET-DLE105</th>
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**Throw Ratio**

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<td><img src="Image" alt="WXGA (0.29-0.32:1)" /></td>
<td><img src="Image" alt="XGA (0.29-0.31:1)" /></td>
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<td><img src="Image" alt="WUXGA (0.60-0.80:1)" /></td>
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<td><img src="Image" alt="WUXGA (0.60-0.80:1)" /></td>
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<td><strong>ET-DLE060</strong></td>
<td><img src="Image" alt="WUXGA (0.78:1)" /></td>
<td><img src="Image" alt="WXGA (0.82-1.03:1)" /></td>
<td><img src="Image" alt="XGA (0.81-1.01:1)" /></td>
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<td><img src="Image" alt="WXGA (0.82-1.03:1)" /></td>
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<td><strong>ET-DLE085</strong></td>
<td><img src="Image" alt="WUXGA (0.82:1)" /></td>
<td><img src="Image" alt="WXGA (1.02-1.39:1)" /></td>
<td><img src="Image" alt="XGA (1.01-1.37:1)" /></td>
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<td><strong>ET-DLE105</strong></td>
<td><img src="Image" alt="WUXGA (1.30-1.89:1)" /></td>
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<td><img src="Image" alt="WXGA (3.76-5.72:1)" /></td>
<td><img src="Image" alt="XGA (3.70-5.64:1)" /></td>
<td><img src="Image" alt="WUXGA (3.58-5.45:1)" /></td>
<td><img src="Image" alt="WXGA (3.76-5.72:1)" /></td>
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<td><img src="Image" alt="XGA (5.55-8.88:1)" /></td>
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* The ET-DLE170 is equivalent of supplied lens. Availability varies depending on the country.
### Optional Lenses for LCD Projector

#### Lens Type Compatibility Chart

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Fixed-focus lens</th>
<th>Zoom lens</th>
<th>Zoom lens</th>
<th>Zoom lens (supplied lens)*</th>
</tr>
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<tbody>
<tr>
<td><strong>ET-ELW21</strong></td>
<td></td>
<td>ET-ELW22</td>
<td>ET-ELW20</td>
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<tr>
<td><strong>F value</strong></td>
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<td>2.0-2.4</td>
<td>1.8-2.3</td>
<td>1.7-2.3</td>
</tr>
<tr>
<td><strong>Focal distance (f)</strong></td>
<td>13.05 mm</td>
<td>13.27-14.56 mm</td>
<td>20.6-27.6 mm</td>
<td>24.9-45.4 mm</td>
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<tr>
<td><strong>Weight</strong></td>
<td>Approx. 1.08 kg/2.4 lbs</td>
<td>Approx. 1.2 kg/2.7 lbs</td>
<td>Approx. 1.20 kg/2.6 lbs</td>
<td>Approx. 0.9 kg/2.0 lbs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Zoom lens</th>
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<td><strong>F value</strong></td>
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</tr>
<tr>
<td><strong>Focal distance (f)</strong></td>
<td>45.6-73.8 mm</td>
<td>74.8-118.2 mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
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<table>
<thead>
<tr>
<th>Model Number</th>
<th>Zoom lens</th>
<th>Zoom lens</th>
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<tr>
<td><strong>Weight</strong></td>
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**Optional Lenses Compatibility Chart**

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* The ET-ELS20 is equivalent of supplied lens. Availability varies depending on the country.
## Optional Accessories for 3-Chip DLP™ Projector (Large-Venue)

| Model Type                        | Model Number | PT-RQ2K | PT-RZ3K | PT-RS3K | PT-RQ2K | PT-RS2K | PT-RQ1K | PT-RZ2K | PT-RS1K | PT-DZ2K | PT-DZ2K | PT-DW1K | PT-DZ1K |
|-----------------------------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Replacement lamp unit            |              |         |         |         |         |         |         |         |         |         |         |         |         |         |
| 432 W UHM lamp x 1               | ET-LAD520    | -       |         |         | -       |         | -       |         |         |         |         |         |         |         |
| 432 W UHM lamp x 4               | ET-LAD520F   | -       |         |         | -       |         | -       |         |         |         |         |         |         |         |
| 432 W UHM lamp x 1 (for portrait mode) | ET-LAD520P | -       |         |         | -       |         | -       |         |         |         |         |         |         |         |
| 432 W UHM lamp x 4 (for portrait mode) | ET-LAD520PF | -       |         |         | -       |         | -       |         |         |         |         |         |         |         |
| Ceiling mount bracket            |              |         |         |         |         |         |         |         |         |         |         |         |         |         |
| High ceiling mount bracket       | ET-PKD520H   | -       |         |         | -       |         | -       |         |         |         |         |         |         |         |
| Low ceiling mount bracket        | ET-PKD520S   | -       |         |         | -       |         | -       |         |         |         |         |         |         |         |
| Projector mount bracket          | ET-PKD520B   | -       |         |         | -       |         | -       |         |         |         |         |         |         |         |
| Frame                             | ET-PFD510²   | -       |         |         | -       |         | -       |         |         |         |         |         |         |         |
| Replacement filter unit          |              |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Replacement filter unit ET-EMF330 | ✓ ✓ ✓ ✓       |         |         |         | -       |         | -       |         |         |         |         |         |         |         |
| Smoke cut filter ET-SFR330²      | ✓ ✓ ✓         |         |         |         | -       |         | -       |         |         |         |         |         |         |         |
| Long life filter unit ET-EMFU330 | ✓ ✓ ✓         |         |         |         | -       |         | -       |         |         |         |         |         |         |         |
| Replacement filter unit ET-EMF510 | ✓ ✓ ✓         |         |         |         | -       |         | -       |         |         |         |         |         |         |         |
| Peripheral                        |              |         |         |         |         |         |         |         |         |         |         |         |         |         |
| DIGITAL LINK Switcher ET-YFB200G | ✓ ✓ ✓ ✓ ✓     |         |         |         | ✓ ✓ ✓ ✓ |         | ✓ ✓ ✓ ✓ |         |         |         |         |         |         |         |
| Digital Interface Box ET-YFB100G | ✓ ✓ ✓ ✓ ✓ ✓ ✓ |         |         |         | ✓ ✓ ✓ ✓ |         | ✓ ✓ ✓ ✓ |         |         |         |         |         |         |         |
| Software                          |              |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Early Warning Software ET-SWA100 Series³ | ✓ ✓ ✓ ✓ ✓ ✓ |         |         |         | ✓ ✓ ✓ ✓ |         | ✓ ✓ ✓ ✓ |         |         |         |         |         |         |         |
| Geometry Manager Pro Upgrade Kit | ET-UK20      | ✓ ✓ ✓ ✓ ✓ |         |         | ✓ ✓ ✓ ✓ |         | ✓ ✓ ✓ ✓ |         |         |         |         |         |         |         |
| Auto Screen Adjustment Upgrade Kit ET-CUK10/UK10P⁴ | ✓ ✓ ✓ ✓ ✓ ✓ |         |         |         | ✓ ✓ ✓ ✓ |         | ✓ ✓ ✓ ✓ |         |         |         |         |         |         |         |
| Interface board                  |              |         |         |         |         |         |         |         |         |         |         |         |         |         |
| DVI input signal board ET-MNDV10 | ✓ ✓ ✓         |         |         |         | ✓ ✓ ✓ ✓ |         | ✓ ✓ ✓ ✓ |         |         |         |         |         |         |         |
| HDMI input signal board ET-MNDH10 | ✓ ✓ ✓         |         |         |         | ✓ ✓ ✓ ✓ |         | ✓ ✓ ✓ ✓ |         |         |         |         |         |         |         |
| 12G-SDI signal board ET-MDN12010 | ✓ ✓ ✓         |         |         |         | ✓ ✓ ✓ ✓ |         | ✓ ✓ ✓ ✓ |         |         |         |         |         |         |         |
| 3G-SDI input signal board TY-TBN03G | ✓ ✓ ✓         |         |         |         | ✓ ✓ ✓ ✓ |         | ✓ ✓ ✓ ✓ |         |         |         |         |         |         |         |
| DisplayPort input signal board   | ET-MNDP10    | -       |         |         | -       |         | -       |         |         |         |         |         |         |         |

*1: This frame cannot be used when the separately sold ET-D75LE95 fixed focus lens is attached to the projector.

*2: The smoke cut filter is an air filter unit for an applicable Panasonic projector, for when the projector is used at events or other situations where smoke, fog or haze is being generated as a special effect.

*3: The suffix of the model number differs according to the license type.

*4: The availability varies depending on the country.
## Optional Accessories for 1-Chip DLP™ Projector (Installation)

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*1: Recommended when used with the ET-DLE035.
*2: The suffix of the model number differs according to the license type.
*3: The availability varies depending on the country.
## Optional Accessories for LCD Projector (Installation)

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*1: The suffix of the model number differs according to the license type.
## Optional Accessories for LCD Projector [Portable, Short Throw]

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<td>Easy wireless stick</td>
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<tr>
<td>DIGITAL LINK Switcher</td>
<td>ET-YFB200G</td>
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<td>Digital Interface Box</td>
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<td>Interactive Light pen</td>
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<td>Interactive Pointer</td>
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<tr>
<td>D-Sub/S-VIDEO conversion cable</td>
<td>ET-ADSV</td>
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<td><strong>Software</strong></td>
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<tr>
<td>Early Warning Software</td>
<td>ET-SWA100</td>
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*1: The suffix of the model number differs according to the license type.*
**Fisheye Lens / Stepping Motor Kit for Optional Lenses**

**High-Resolution Fisheye Lens for Immersive Projection in Entertainment Applications**

**Fisheye Lens**
- Suitable for dome theater, planetarium, theme parks, etc.
- Supports high-resolution WQXGA (4K+) projection
- Wide lens shift for flexible projection
- Surrounding focus correction when projecting from short distances
- Compatible with Panasonic 3-Chip DLP™ projectors*

* Supports the PT-D7500 3-Chip DLP™ projector and later models.

**Stepping Motor Kit**
- This product is an adapter kit for increasing the speed of zoom operations and for improving the reproducibility of zoom positions for optional lenses for Panasonic’s 3-chip DLP™ projectors.
- Note: This kit cannot be used by itself; it can only be used in combination with the applicable lenses listed below.

<table>
<thead>
<tr>
<th>Model number</th>
<th>ET-D75MKS10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (W x H x D)</td>
<td>101 x 82.5 x 59 mm (3-31/32 x 3-1/4 x 2-5/16 inches)</td>
</tr>
<tr>
<td>Weight*1</td>
<td>Approx. 145 g/0.3 lbs</td>
</tr>
<tr>
<td>Supported lens</td>
<td>ET-D75LE10, ET-D75LE20, ET-D75LE30, ET-D75LE40, ET-D75LE6, ET-D75LE8</td>
</tr>
<tr>
<td>Supported projectors</td>
<td>PT-RQ22K, PT-RQ22K/RQ50K, PT-RQ22K/RQ50K, PT-RQ22K/RQ50K</td>
</tr>
</tbody>
</table>

* Calibration is required each time the lens is mounted. *1: Average value. Each product has an individual variable in weight.

**Digital Interface Box**

- A film-type transparent screen changes the existing transparent glass into a projector screen. Customers enjoy dynamic digital content in the form of Augmented Reality (AR), to view actual objects in real-life size.

- DIGITAL LINK Switcher
- ET-YFB200G (optional)

- Digital Interface Box
- ET-YFB100G (optional)

**Digital Interface Box**
- An actual object display can be overlapped and viewed with projected images

**Dinosaur fossil specimen**
- Dinosaur image (Augmented Reality) projected from the front

**Ordinary Transparent Screen**
- ET-SCT100

- Approximately 10x Brighter Screen

**Features**
- **DIGITAL LINK Connectivity**
  - Equipped with DIGITAL LINK output terminals.*1 Allows transmission of HDMI, uncompressed Full HD video, audio and control signals (Ethernet, RS-232C) for up to 100 m (328 ft.) through a single CAT5e (STP) cable or higher. Long Reach Mode supports up to 1080/60p signal transmission for 150 m (492 ft).*2

*1: DIGITAL LINK terminal: two terminals on the ET-YFB200G and one terminal on the ET-YFB100G. *2: For more information about Long Reach mode compatible model, please visit the website: panasonic.net/cns/prodisplays/solutions/technology/digital_link/#projector

**All-in-One Connectivity**

**An AR Experience to Excite Your Customers**

- This product is an adapter kit for increasing the speed of zoom operations and for improving the reproducibility of zoom positions for optional lenses for Panasonic’s 3-chip DLP™ projectors.

- Note: This kit cannot be used by itself; it can only be used in combination with the applicable lenses listed below.

**Supporting Accurate Installation**

- Stepping Motor Kit
- ET-D75MKS10*1

- This product is an adapter kit for increasing the speed of zoom operations and for improving the reproducibility of zoom positions for optional lenses for Panasonic’s 3-chip DLP™ projectors.

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</tr>
<tr>
<td>Supported projectors</td>
<td>PT-RQ22K, PT-RQ22K/RQ50K, PT-RQ22K/RQ50K, PT-RQ22K/RQ50K</td>
</tr>
</tbody>
</table>

* Calibration is required each time the lens is mounted. *1: Average value. Each product has an individual variable in weight.

**Using existing glass**

- Uses existing glass*2 for AR display

*1: Transparent Screen with 70% or higher transparency. *2: At an incident angle of 60º, using projectors with equal brightness. (According to a Panasonic survey)

- USE MAY NOT BE POSSIBLE DUE TO THE SHAPE OF THE GLASS, THE CONDITION OF THE SURFACE, ETC.

**For more information, please visit the websites:**
- panasonic.net/cns/projector/products/sct100/
Geometric Adjustment Feature and Upgrade Kits Expand Projection Capability

Flexible projection with a peripheral system turns image viewing into a memorable experience. Panasonic offers features that provide truly unique applications.

**Geometric Adjustment (free)**

Projectors with a built-in Geometric Adjustment function expand projection capability onto spherical, cylindrical and other specially shaped screens.

**Geometry Manager Pro Software and Upgrade Kit (for a fee)**

Using this software allows you to perform real-time geometric compensation and other fine adjustments and corrections that cannot be handled on the projector side.

### Features

- **Map Display**
  - Images of registered projectors or displays can be monitored regularly by a supported network camera.
- **Other Features**
  - Monitoring of the status of each device
  - Early Warning Function
  - Video Stop Detection Using a Network Camera
  - Images of registered projectors or displays can be monitored regularly by a supported network camera.
  - You can also receive a notification when an abnormality such as a blackout or an image freeze happens.
  - Captured image when an abnormality happens is stored

**Upgrade Kit for Geometry Manager Pro (ET-UK20)**

Expands the correctable range for Geometry Manager Pro. Custom Masking, Uniformity Correction, and other useful functions for multi-projector setups are supported.

**Auto Screen Adjustment Upgrade Kit (ET-CUK10/UK10P)**

This is the plug-in software and expands the functions of Geometry Manager Pro. Allows automatic adjustment of geometry correction, edge blending, color, and brightness according to the shape of the screen through use of an externally connected camera.

### Compatible Projector Models

<table>
<thead>
<tr>
<th>Projector</th>
<th>Geometric Adjustment</th>
<th>Geometry Manager Pro Software</th>
<th>Auto Screen Adjustment Upgrade Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-RZ970</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>PT-RW930</td>
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<td>PT-RZ870</td>
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<td>PT-RW730</td>
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<td>PT-RZ650</td>
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<td>PT-RW620</td>
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<td>PT-DW750</td>
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<tr>
<td>PT-DX820</td>
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</table>

### Early Warning Function (ET-SWA100)

**Maintenance Scheduling Suggestion**

It is easier to plan for maintenance by predicting the approximate time for maintenance and service based on the usage monitoring.

**Video Stop Detection Using a Network Camera**

Images of registered projectors or displays can be monitored regularly by a supported network camera. You can also receive a notification when an abnormality such as a blackout or an image freeze happens.

**Features**

- Auto Search of the Devices to Be Registered
- You can select the devices to be registered from devices automatically searched on the network.
- Other Features
  - Monitoring of the status of each device
  - Execution of control commands
  - Scheduling function
  - Delivery of the contents list

**Utility Software can be downloaded from PASS**

- Auto Screen Adjustment Upgrade Kit (ET-CUK10/UK10P)
- Geometry Manager Pro and Upgrade Kit (ET-UK20)
- Early Warning Software (ET-SWA100 Series)

For downloading/activating the software and optional upgrade kits

**PASS (Projector & Professional Display Asset Support System)**

Providing comprehensive support for all Panasonic projector and professional display owners and people who are interested in those products.