Bright 8,200 lm* and Crisp, Vivid Pictures for Various Applications

* The PT-DX810S/DX810LS has 8,200 lm and the PT-DZ770K/DZ770LK/DW740S/DW740LS has 7,000 lm of brightness.
Detailed Images and Versatile Functions in a Compact Cabinet

Panasonic’s unique optical engine in the PT-DZ770 Series projector produces 8,200 lm*1 or 7,000 lm*2 of brightness and high-quality images. This combines with a host of terminals and advanced management functions to provide high reliability and hassle-free maintenance. Ideal for a wide variety of applications, from education and business to stage performance.

Vivid Picture Quality with High Brightness

Bright 8,200/7,000 lm from Compact Body
New lamp drive system has helped to make the body as compact as Panasonic’s PT-D2670 Series*, while providing high brightness of 8,200 lm for the PT-DX810S and 7,000 lm for the PT-DZ770K/DW740S.

RGB Booster Significantly Improves Color Reproduction
The RGB Booster achieves high image quality with levels of color reproduction and brightness that make each color stand out. It combines Panasonic’s proprietary Vivid Color Control technology with a newly engineered Lamp Modulation Drive System for a 1-chip DLP™ projector that produces bright and vivid colors.

- **Vivid Color Control**
  This unique control technology optimizes the use of the color segment areas of the color wheel. It increases the brightness of each RGB color by minimizing the unallocated portions between the colors, to achieve truly vivid coloring.

- **Lamp Modulation Drive System**
  With the advanced lamp modulation technology, the projector is able to control the lamp intensity for each of the red, green, blue, and white segments of the color wheel separately. Because the actual light output is controlled in relation to each color segment, light usage is optimized and color balance is obtained without lowering the brightness. This results in bright vivid images with increased color fidelity.

Detail Clarity Processor Brings Depth and Clarity to Details
This advanced image-processing circuit analyzes the video signal frequency range for each scene by extracting data on the distribution of high, mid, and low-frequency components, and brings out fine details accordingly. The resulting images have a more natural, three-dimensional appearance with crisp, clear detail.

System Daylight View 2 for Enhanced Color Perception
Image details are less clear when a projector is used in a room with the lights on. Panasonic’s System Daylight View 2 improves brightness perception by adjusting sharpness, gamma curves, and color corrections. This produces crisper, more stunning images with vivid colors even under bright conditions.

DICOM Simulation Mode™
This imaging mode is similar to DICOM part 14, which is a medical imaging standard. It reproduces X-ray images with remarkable clarity.
Recommended Applications

Panasonic's original freeware, “Multi Projector Monitoring & Control Software,” allows the user to control and monitor multiple projectors at the same time via LAN. Projectors can be scheduled to turn on and off at a certain hour everyday. When a problem occurs, an alarm message is sent to the monitoring/controlling PC.

Crestron RoomView™ and AMX Device Discovery

The LAN terminal allows a computer connected to the network to use Crestron RoomView™ application software to manage and control system devices. Besides, The AMX Device Discovery technology is built in the PT-DZ770 Series projector.

Standby Mode: Eco**

The PT-DZ770 Series projector has attained a low standby power level of 0.2 W** (STANDBY MODE: ECO). It also helps to slash running costs, and reduces environmental impact.

Other Valuable Features

- Multiple terminals with HDMI compatibility
- 3D color management system
- HD IP conversion
- Digital noise reduction
- Dynamic sharpness control
- Web browser control/monitoring and e-mail message alert
- PJLink™ (Class 1) compatibility
- Scheduling function
- 30m long-range wireless remote control
- Mechanical lens shutter
- Direct Power Off allows unplugging the power cord right after use

The PT-DZ770LK, PT-DW740LS and PT-DX810LS are sold without lenses. The specifications are the same as those of the PT-DZ770K/DW740S/DX810S.

Recommended Applications

The PT-DZ770 Series projector can be used in a wide variety of environments, while stabilizing performance and keeping the unit quiet even in harsh conditions. It also contributes to realizing the compact body. Plus, Panasonic's liquid cooling system is hermetically sealed, so you don't need to replenish the liquid.

Flexible Installation

The wide adjustment range of the powered horizontal/vertical lens shift function assures convenience and versatility during installation. It lets you easily make adjustments with the remote control. The unit can also be rotated 360 degrees vertically. This means you can install it at any angle you want, to accommodate different installation conditions.

A Wide Selection of Optional Lenses

Choose from a wide lineup of optional lenses for your system, including short-throw zoom lens, long-throw zoom and fixed-throw lenses for rear projection use. The additional lenses make it easy to adapt your projector to the installation site.

Multi-Screen Support System Seamlessly Connects Multiple Screens

The Multi-Screen Support System optimally adjusts multiple screens: Edge blending, color matching and multi-screen processor.

- **Edge Blending**
  The edges of adjacent screens can be blended and their luminance controlled.

- **Color Matching**
  This function corrects for slight variations in the color reproduction range of individual projectors.

- **Multi-Screen Processor**
  The PT-DZ770 Series projector can project large, multi-screen images without any additional equipment. Up to 100 units (10 x 10) can be edge-blended at a time.

System Integration Flexibility

Multi Projector Monitoring & Control Software

The PT-DZ770 Series projector is carefully manufactured at the Panasonic factory in Japan, under strict quality control. This is another, very important advantage of a Panasonic projector.

Side-by-Side Function**

The PT-DZ770K and PT-DW740S can simultaneously display images from two sources onto a single screen. For example, you can display a PC image on the left and a video image on the right. Taking advantage of the wide-screen projection, this function gives you a host of new application possibilities to explore.

Easy Maintenance and Superior Reliability

Eco Filter that Needs No Maintenance for up to 12,000 Hours**

The original Eco Filter consists of two Micro Cut Filters (electrostatic filters), a pre-filter and a main filter, which use an ion effect to collect extremely small dust particles. The pre-filter has a honeycomb configuration and the main filter is pleated to achieve a large surface area that raises its dust collecting performance. Thanks to these features, the Eco Filter has a replacement cycle of up to 12,000 hours**, which reduces the hassle of maintenance. And, as an environmental consideration, the filter can be washed with water and reused**.

Dual-Lamp System Prevents Image Interruptions

The Dual-Lamp System eliminates the need to interrupt a presentation if a lamp should burn out (in dual-lamp operation mode). The Lamp Relay mode also operates the lamps alternately to enable 24/7 projector operation. The replacement lamp unit** can be used with all of the Panasonic PT-DW730 Series**, PT-DZ6700 Series and PT-DZ570 Series** projectors. This reduces the number of lamp types that need to be kept in stock when multiple projectors are used.

Liquid Cooling System Attains a High Level of Reliability

Panasonic's unique liquid cooling system directly cools the DLP™ chip to improve performance and enable operation up to 45°C (113°F)**. This allows use in a wider variety of environments, while stabilizing performance and keeping the unit quiet even in harsh conditions. It also contributes to realizing the compact body. Plus, Panasonic's liquid cooling system is hermetically sealed, so you don't need to replenish the liquid.

Rec. 709 Mode for HDTV Projection

Optimal color reproduction can be achieved by selecting this mode, compliant with ITU-R Recommendation BT.709, when images from an HDTV source are projected.
**Eco
c

Panasonic works from every angle to minimize environmental impact in the product design, production and delivery processes, and in the performance of the product during its life cycle. The PT-DZ770 Series projector reflects the following ecological considerations:

- No halogenated flame retardants are used in the cabinet.
- Lead-free solder is used to mount components to the printed circuit boards.
- Lamp power switching further reduces power consumption.
- Standby power consumption of only 0.2 W has been achieved (standby mode: eco) 
- Auto Power Save activates standby mode when no signal is input.

### Silver/black models

Silver cabinet models of the PT-DZ770K and PT-DZ770LK are also available as built-to-order.

The specifications are the same as those of the PT-DZ770K and PT-DZ770LK. The black cabinet models of the PT-DW740/ DX810S and PT-DW740LS/DX810LS are also available as built-to-order.

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### Projection distance

#### PT-DZ770K (16:10 aspect ratio)

<table>
<thead>
<tr>
<th>Projection distance</th>
<th>ET-DLE800</th>
<th>ET-DLE1050</th>
<th>ET-DLE250</th>
<th>ET-DLE350</th>
<th>ET-DLE450</th>
<th>ET-DLE05S</th>
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<tr>
<td>[throw ratio]</td>
<td>ET-DLE800</td>
<td>ET-DLE1050</td>
<td>ET-DLE250</td>
<td>ET-DLE350</td>
<td>ET-DLE450</td>
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<td>[min. distance]</td>
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<td>2.02</td>
<td>2.18</td>
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<tr>
<td>[max. distance]</td>
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#### PT-DW740K (DX810S)

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<th>ET-DLE2000</th>
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<td>1.24</td>
<td>1.38</td>
<td>2.01</td>
<td>2.02</td>
</tr>
<tr>
<td>[max. distance]</td>
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<td>4.30</td>
<td>5.26</td>
<td>7.62</td>
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#### PT-DW740K (4:3 aspect ratio)

<table>
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<th>ET-DLE080</th>
<th>ET-DLE1250</th>
<th>ET-DLE1350</th>
<th>ET-DLE450</th>
<th>ET-DLE05S</th>
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</thead>
<tbody>
<tr>
<td>[throw ratio]</td>
<td>ET-DLE080</td>
<td>ET-DLE1250</td>
<td>ET-DLE1350</td>
<td>ET-DLE450</td>
<td>ET-DLE05S</td>
</tr>
<tr>
<td>[min. distance]</td>
<td>1.23</td>
<td>1.24</td>
<td>1.38</td>
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<tr>
<td>[max. distance]</td>
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<td>4.30</td>
<td>5.26</td>
<td>7.62</td>
<td>7.72</td>
</tr>
</tbody>
</table>

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### Optional accessories

- **ET-PK050H**: Ceiling mount bracket for high ceilings
- **ET-PK55S**: Ceiling mount bracket for low ceilings
- **ET-EMF300**: Replacement filter unit
- **ET-LAD60A**: Replacement lamp unit
- **ET-LAD60AW**: Replacement lamp unit (twin pack)
- **ET-DLE800**: Zoom lens
- **ET-DLE1050**: Zoom lens
- **ET-DLE250**: Zoom lens
- **ET-DLE350**: Zoom lens
- **ET-DLE450**: Fixed-focus lens
- **ET-DLE05S**: Fixed-focus lens
- **ET-DLE800**: Zoom lens
- **ET-DLE1050**: Zoom lens
- **ET-DLE250**: Zoom lens
- **ET-DLE350**: Zoom lens
- **ET-DLE450**: Fixed-focus lens
- **ET-DLE05S**: Fixed-focus lens

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*1 PT-DX810S/DX810LS
*2 PT-DZ770K/DZ770K/DW740S/DW740LS
*3 PT-DZ6710/DZ6710L/DZ6770L/DZ6770/DX5630S/DS6300S/DS6600S/DS8000S/D59000S/D59000S
*4 This product is not a medical instrument. Do not use it for actual medical diagnosis.
*5 The usage environment affects the duration of the filter.
*6 When washing with water, please follow the procedures listed in the operating instructions. Also, we recommend replacing the filter with a new one after it has been washed and reused twice. If the filter is not sufficiently clean after washing, replace it with a new one.
*7 ET-LAD60A/ET-LAD60AW
*8 PT-DW730S/DT730S/DSX805S/DX800LS

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*9 PT-DZ570/DW530X
*10 The operating temperature range is 0°C to 40°C (32°F to 104°F) when the intake and exhaust vents are not blocked. If the intake and exhaust vents are blocked, the operating temperature range decreases.
*11 The lamp brightness is different depending on the model.
*12 The lens type is different depending on the model.
*13 For 120 V AC power supply, 0.3 W for 200–240 V AC power supply.
Specifications

Model: PT-DZ770K/DZ770LK
PT-DW740S/DW740LS
PT-DX810S/DX810LS

Power supply: 120 V AC, 8 A, 50/60 Hz, 220–240 V AC, 4.5 A, 50/60 Hz
120 V AC, 7.5 A, 50/60 Hz, 220–240 V AC, 4.3 A, 50/60 Hz

Power consumption: 120 V AC 830 W (880 VA) [2 W when standby mode is set to ECO*, 6 W when standby mode is set to NORMAL]
810 W (10 VA) [3 W when standby mode is set to ECO*, 8 W when standby mode is set to NORMAL]
790 W (830 VA) [0.2 W when standby mode is set to ECO*, 6 W when standby mode is set to NORMAL]
760 W (950 VA) [0.3 W when standby mode is set to ECO*, 8 W when standby mode is set to NORMAL]

Dimensions (W × H × D): PT-DZ770K/DZ770LK 498 × 175 × 466 mm (19-13/32 × 7-7/16 × 18-11/32 in) [with supplied lens] 498 × 175 × 432 mm (19-13/32 × 7-7/16 × 17 in) [without lens]
PT-DW740S/DW740LS 498 × 175 × 466 mm (19-13/32 × 7-7/16 × 18-11/32 in) [with supplied lens] 498 × 175 × 432 mm (19-13/32 × 7-7/16 × 17 in) [without lens]
PT-DX810S/DX810LS

Weight*: PT-DZ770K/DZ770LK 18.3 kg (39.9 lbs) [with supplied lens] 18.4 kg (40.6 lbs) [without lens]
PT-DW740S/DW740LS 18.3 kg (39.9 lbs) [with supplied lens] 18.4 kg (40.6 lbs) [without lens]
PT-DX810S/DX810LS

Calibrate materials: Molded plastic

Dimensions (W × H × D): 498 × 198 (19-13/32 × 7-7/16 in) [height] 199 (8-5/16 in) [width]

Lamp: PT-DZ770K/DW740S/DX810S
Power zoom throw ratio 1.7–2.4:1
Powered focus F 1.7–1.3, F 25.1–35.7 mm

Lamp: PT-DZ770K/DW740LS/DX810LS
Optional powered focus/touch lenses and fixed-focus lens

Lamp: PT-DW740S/DX810LS
Power zoom throw ratio 1.8–2.5:1
Powered focus F 1.7–1.3, F 25.1–35.7 mm

Optical axis shift: Vertical ±50 from center of screen (powered)
Horizontal ±50 from center of screen (powered)
+60% from center of screen (powered)
+10% from center of screen (powered)
+50% from center of screen (powered)
+50% from center of screen (powered)

Keystone correction range: Vertical: ±45° (+60° with the ET-DLE065/DE060)

Cabinet materials: Molded plastic

Operating environment: Operating temperature: 0–45 °C (32–113 °F), operating humidity: 20%–80% (no condensation)

Supplied accessories: Remote control, power cord, secure lock unit, wired keyboard, wired remote control unit, batteries (R6/AA type x 2), software CD-ROM (Logo Transfer Software, Multi Projector Monitoring & Control Software) [x 1]

NOTES ON USE

1. Do not install the projector in locations that are subject to excessive water, humidity, steam, or oily smoke. Doing so may result in malfunction or electric shock. When the projector is not in use, it should be stored in a cool, dry environment.

2. The projector uses a high-voltage mercury lamp that contains high internal pressure. This lamp may break, emitting a loud sound, or fail to illuminate, due to impact or extended use.

3. The projector uses a high-voltage mercury lamp that contains high internal pressure. This lamp may break, emitting a loud sound, or fail to illuminate, due to impact or extended use.

4. When the lamp reaches the end of its usable life, it will emit a faint buzzing sound. This is normal and does not indicate a problem with the projector. When this occurs, the lamp should be replaced as soon as possible.

5. If the projector is placed in a box or enclosure, the temperature of the air surrounding the projector must be between 0 °C and 40 °C (32 °F and 104 °F). Also, make sure the projector’s intake and exhaust openings are not blocked. Take particular care to ensure that hot air from the exhaust openings is not sucked into the intake openings. Even when the ambient temperature near the intake opening is 40 °C (104 °F) or lower, an accumulation of hot air inside the cabinet may cause the protective circuit to activate and shut down the projector. Please give ample consideration to the design, with regard to ambient temperature conditions.

6. If the projector is to be operated continuously 24 hours a day / 7 days a week, use the dual-lamp optical system’s alternating lamp operation (lamp changer) function. The projector cannot be operated continuously 24 hours a day / 7 days a week in dual-lamp mode. Allow a minimum of two hours per week of non-operation time per lamp if using the dual-lamp mode.

7. The lamp replacement cycle duration becomes shorter if the projector is operated repeatedly for short periods.

8. The brightness of the lamp will gradually decrease with use.
PT-DZ770 Series projectors flexibly cover a variety of applications, such as sophisticated teleconference systems and digital signage.