Capturing attention with brilliant pictures and diverse image-rendering capabilities
A wide array of unique image-processing technologies combine to produce realistic, lifelike images. Panasonic’s PT-DZ6710U/DZ6710UL* and PT-DZ6700U/DZ6700UL* 1-chip DLP™ projectors now offer even brighter and more vivid images with full high definition resolution. Along with the RGB Booster, which combines high brightness and superb color reproduction, a host of technologies work together to enhance image quality. The Dual-Lamp System and Auto Cleaning Filter extend operating stability and contribute to reliability. The PT-DZ6710UL/6700UL include Geometric Adjustment for projecting images onto curved screens, as well as standard HD-SDI signal compatibility. All models offer high image quality and easy system expansion to increase system integration flexibility.

**Full high-resolution WUXGA compatibility.**

**Vivid Picture Quality with High Brightness**

**RGB Booster Significantly Improves Color Reproduction**

The RGB Booster achieves high image quality with levels of color reproduction (up to 145% that of conventional models) 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.

**Lamp Power**

**Color Wheel**

**Lamp Modulation Drive System**

**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 new lamp modulation technology, the projector is now 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.

**Conventional System**

- Conventional technology was unable to use the boundaries between colors.
- Because the lamp power was fixed in conventional projectors, color reproduction was enhanced by sacrificing brightness.

**RGB Booster**

- By modulating the lamp power, we can maximize the color reproduction of each color without sacrificing brightness.

**Unallocated section**

- In a conventional color wheel, the unallocated section was wasted.
- With the RGB Booster, however, this section is used to increase the color reproduction.

**Lamp Power**

- Ensures maximum utilization of the color wheel by minimizing unused sections.

**Color Wheel**

- In conventional projectors, the boundaries between colors were not used effectively.

**Lamp Modulation Drive System**

- In a conventional system, the lamp power was fixed.
- In the RGB Booster, the lamp power is modulated for each color.

**Vivid Color Control**

- In a conventional system, the color reproduction was enhanced by sacrificing brightness.
- In the RGB Booster, the colors are reproduced with high brightness and vividness.

**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Name</th>
<th>Resolution</th>
<th>Luminosity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-DZ6710U</td>
<td>WUXGA</td>
<td>6,000 lm</td>
<td></td>
</tr>
<tr>
<td>PT-DZ6710UL*</td>
<td>WUXGA</td>
<td>6,000 lm</td>
<td></td>
</tr>
<tr>
<td>PT-DZ6700U</td>
<td>WUXGA</td>
<td>6,000 lm</td>
<td></td>
</tr>
<tr>
<td>PT-DZ6700UL*</td>
<td>WUXGA</td>
<td>6,000 lm</td>
<td></td>
</tr>
</tbody>
</table>

*The PT-DZ6710UL and PT-DZ6700UL are sold without lenses. The specifications are the same as those of the PT-DZ6710U and PT-DZ6700U.
Geometric Adjustment for Specially Shaped Screens

This function adjusts the image for projection onto spherical, cylindrical and other specially shaped screens. You can make the adjustment easily using just the remote control, with no external equipment needed. Used together with the multi-screen support system, Geometric Adjustment expands your application possibilities, letting you create a wide range of image effects for digital signage, concerts, performances and other special events.

Flexible ±360° Installation

The PT-DZ6710U/DZ6700U can be rotated vertically. This means you can install one at any up-and-down angle you want, to accommodate different installation conditions.

Multiple Terminals with HD-SDI Compatibility*

The PT-DZ6710U/DZ6700U has an array of terminals – two RGB inputs including a 5-BNC connector, a serial in/out terminal, one S-video input, two remote in terminals, one remote out terminal, one DVI-D (HDCP [High-Bandwidth Digital Content Protection] compliant), and control capability – to support a broad range of projection needs. Using the serial terminal (RS232C), it is possible to connect and operate AMX and Crestron control systems with ease. In addition, the PT-DZ6710U/DZ6710UL accommodate the HD/SD-SDI input signals that are widely used in broadcasting.

*PT-DZ6710U/DZ6710UL only.

Multi-Screen Support System

Seamlessly Connects Multiple Screens

Image showing various Geometric Adjustments

The edges of adjacent screens can be blended and their luminance controlled. This function corrects for slight variations in the color reproduction range of individual projectors. The PC software assures easy, accurate control.

The PT-DZ6710U/DZ6700U can project large, multi-screen images without any additional equipment. Up to 100 units (10 x 10) can be edge-blended at a time.

Image with table:

- LAN Terminal
- Video Input
- S-Video Input
- RGB 1 Input
- RGB 2 Input
- DVI-D (HDCP Compatible) Input
- Remote 1 Input and Output
- Remote 2 Input
- Serial Input
- Serial Output
- HD/SD-SDI Input (PT-DZ6710U and DZ6710UL)
- Edge Blending
- Color Matching
- Multi-screen Processor

The PT-DZ6710U/DZ6700U boasts superior image quality, flexible installation, and easy maintenance, making it a versatile choice for use in classrooms, museums, conference rooms, and much more.
Our newly-developed 300-watt AC lamps are used in the PT-DZ6710U/DZ6700U. The high-efficiency light convergence technology and independently developed color wheel work together to achieve the high brightness of 6,000 lumens even in bright rooms.

High Brightness 6,000 lm with New AC Lamp

Image details are less clear when a projector is used in a room with the lights on. This problem becomes more significant when images require increasing levels of detail expression. Panasonic’s System Daylight View 2 optimizes image quality to improve color perception of the projected image in bright rooms. Gamma curves and sharpness, in addition to conventional color correction, are adjusted to reproduce a sense of sharpness in the projected image. System Daylight View 2 makes these corrections to produce excellent colors that are very close to the original images even when viewed at a large screen.

System Daylight View 2 for Enhanced Color Perception

The use of a full 10-bit image processing system provides smooth tonal expression. For example, skin tones appear natural and true to life.

Full 10-bit Picture Processing

Images are noticeably clearer, thanks to higher-performance frame noise reduction, which lowers image graininess, and improved MPEG noise reduction, which suppresses the block noise and mosquito noise that are common in fast-action scenes.

More Effective Noise Reduction

This interlace/progressive conversion technology automatically detects whether the input signal is derived from filmed material and selects the optimum progressive processing method to assure faithful reproduction of the original image.

Progressive Cinema Scan (3/2 Pulldown)

The dynamic sharpness control circuit adjusts the video signal waveforms based on the difference in brightness of adjacent pixels for a sharp, clear picture that is relatively unaffected by signal noise.

Dynamic Sharpness Control

To increase visual impact, projector images are often viewed from a comparatively close position relative to the screen size. The characteristics of the human eye, however, tend to cause changes in colors when images are viewed closely on a large screen. Changes in color saturation, hue, and brightness differ from color to color, and conventional projectors were not able to make the appropriate corrections. 3D Color Management makes these corrections to produce accurate colors that are very close to the original images even when viewed on a large screen.

3D Color Management System

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 the details accordingly. The resulting images have a more natural, three-dimensional appearance with crisp, clear detail.

Detail Clarity Processor Brings Depth and Clarity to Details

Conventional sharpness control:

- Sharpness is applied uniformly, which can cause a halo or ring effect and diminish the sense of depth.

Detail Clarity Processor:

- Signal frequency is extracted real-time and necessary sharpness is applied at varying degrees for natural, life-like images.

Dynamic Sharpness Control: Without compensation With compensation

Original image

Without compensation

After compensation

Newly-developed AC Lamp

3D Color Management System

2D Color Management System

System Daylight View 2 for Enhanced Color Perception

Full 10-bit Picture Processing

More Effective Noise Reduction

Progressive Cinema Scan (3/2 Pulldown)
Easy Maintenance and Superior Reliability

Dual-Lamp System Prevents Image Interruptions
The Dual-Lamp System increases lamp life and reduces maintenance costs, as the system can provide a high level of reliability even when one lamp fails. In the event one lamp fails, the projector automatically switches to the other lamp, enabling seamless operation.

Mounted Liquid Cooling System Attains a High Level of Reliability
Mounted liquid cooling provides high reliability. The liquid-cooled radiator directly cools the DLP block and maintains a stable temperature. The system keeps the operating sound down, and enables operation in temperatures up to 113°F/45°C for use in a wider variety of environments, and maintains a more stable performance.

Auto Cleaning Filter Reduces Maintenance Hassles
Panasonic’s proprietary Auto Cleaning Filter (ACF) automatically exposes a new filter surface to keep it clean. This helps maintain the system’s high level of performance even when the projector is used long-term, greatly reducing the hassle of maintenance.

System Integration Flexibility

Web Browser Control/Monitoring and E-mail Message Alert
This projector can be operated remotely over a LAN network, because it is all done using the computer’s familiar web browser. The PT-DZ6710U/DZ6700U can be easily operated remotely over a LAN when used in a multi-projector system with projectors of another brand. When a problem occurs, the system automatically sends an e-mail message to notify the user. Furthermore, the projector sends an E-mail Message Alert when an error has occurred.

Easy Maintenance and Superior Reliability

Dustproof Design with Sealed Optical Block
The dust-free design helps ensure that this DLP projector delivers crisp, sharp, high-resolution images over an extended service life. The effect of dust has been minimized by completely sealing the optical block.

Image Interruptions

Side-by-Side Function
You can display data from two sources side-by-side, enabling you to display two images side-by-side. For example, you can display data from two sources side-by-side, which is useful when presenting information that requires side-by-side comparisons.

Powerful Vertical/Horizontal Lens Shift
A wide adjustment range of the horizontal/vertical lens shift assures virtually distortion-free images and adds convenience and versatility. It lets you easily make adjustments with the remote control, making it optimal for installation site. The lenses attach and detach with one-touch ease.

Multi Projector Monitoring & Control Software
Panasonic’s original “Multi Projector Monitoring & Control Software” freeware allows the user to control and monitor multiple projectors at the same time via LAN. When a problem occurs, the system automatically sends an e-mail message to notify the user. Furthermore, the projector sends an E-mail Message Alert when an error has occurred.

Other Features

PJLink™ Compatibility
This projector is compliant with the PJLink™ standard, which is the universal control protocol for projectors. This protocol makes it easy to connect and control projectors from any manufacturer. The projectors communicate with each other through an Ethernet connection, allowing you to control and monitor multiple projectors at the same time.

Ecology-conscious Design

Stand-by Power Consumption
The PT-DZ6710U/DZ6700U features a stand-by power consumption of only 0.2 W, which is a top-class level for the projector industry. It also helps to reduce costs, and reduces environmental impact.

Cost-conscious Design

Other Features

Stand-by Power Consumption
The PT-DZ6710U/DZ6700U also features a high level of reliability. The dust-free design helps ensure that this DLP projector delivers crisp, sharp, high-resolution images over an extended service life. The effect of dust has been minimized by completely sealing the optical block.
**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>*1,920 x 1,200 pixels</td>
</tr>
<tr>
<td>Dimensions</td>
<td>19-19/32˝ x 6-7/8˝ x 17-5/16˝ (498 mm x 175 mm x 440 mm) (with supplied lens)</td>
</tr>
<tr>
<td>Lens</td>
<td>2,304,000 pixels</td>
</tr>
<tr>
<td>Screen size</td>
<td>50–600 inches (50–200 inches with the ET-DLE055), 16:10 aspect ratio</td>
</tr>
<tr>
<td>Lamp</td>
<td>50–600 inches (50–200 inches with the ET-DLE055), 16:10 aspect ratio</td>
</tr>
<tr>
<td>Power consumption</td>
<td>6,000 lumens (dual-lamp, high power mode)</td>
</tr>
<tr>
<td>Remote control</td>
<td>RJ-45 for network connection, 10Base-T/100Base-TX, compliant with PJLink™</td>
</tr>
<tr>
<td>Serial output</td>
<td>2,000:1 (full on/full off, contrast mode: high)*</td>
</tr>
<tr>
<td>RGB/DVI-D scanning</td>
<td>Horizontal: 15.75/15.63 kHz, Vertical: 50/60 Hz, 6,000 lumens (dual-lamp, high power mode)</td>
</tr>
</tbody>
</table>

**Projection Distance**

<table>
<thead>
<tr>
<th>Distance</th>
<th>Resolution</th>
<th>Brightness</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 m</td>
<td>1024 x 768</td>
<td>4500 ISO</td>
</tr>
<tr>
<td>2.0 m</td>
<td>1024 x 768</td>
<td>3000 ISO</td>
</tr>
<tr>
<td>3.0 m</td>
<td>1024 x 768</td>
<td>2000 ISO</td>
</tr>
<tr>
<td>4.0 m</td>
<td>1024 x 768</td>
<td>1500 ISO</td>
</tr>
</tbody>
</table>

*1. During eco stand-by mode operation, network functions such as standby-on from a LAN network and the serial output terminal will not operate.

Supplied accessories:
- Weight*
- Dimensions
- Cabinet material
- LAN
- REMOTE 2 IN
- SERIAL IN
- DVI-D IN
- S-Video / Video
- frequency
- Scanning
- RGB / DVI-D
- Contrast*
- Screen size
- Lamp
- DLP
- Power consumption
- ET-LAD60
- ET-DLE150
- PT-DZ6710U/DZ6700U
- PT-DZ6710UL/DZ6700UL
- Zoom lens
- Molded plastic
- BNC x 5
- M3 jack
- 120 V AC 50/60 Hz

Note: All information is subject to change without notice.

For more information about Panasonic projectors, please visit http://panasonic.net/uc/projector or please contact Panasonic at your nearest dealer for a demonstration.