More Flexible Images with a Short-Throw Projector. An Ideal Combination with an Interactive Whiteboard.

This compact projector makes large-screen images easier to use, and helps lectures and presentations go more smoothly. The PT-ST10E features a newly developed short-throw lens. This allows installation methods to be used that were not possible with conventional models, for a wider range of applications. Close-up projection also reduces shadows on the screen. This all adds up to more relaxed, comfortable viewing.

The close-range projection of the PT-ST10E reduces the chance of the presenter projecting onto a large, 2.03 m (80-inch) screen from a distance of only 0.82 m (2.69'). The PT-ST10E, which is equipped with the newly developed short-throw lens, lets you project images onto a large, 2.03 m (80-inch) screen.

The PT-ST10E is carefully designed by Panasonic in Japan to meet demands for high quality and performance.

A Wired LAN Network Function and Other Functions Allow Easy System Integration

A variety of wired network functions and other features make it easy to integrate the projector into a system that contains different types of projectors.

- Remote operation using a Web browser
- System-monitoring and control software
- Direct Power Off Function - Turn Off the Room's Main Power Immediately After Use
- LAN terminal is compatible with PJLink™, an open protocol
- Digital Ender: Extends auxiliary part of the display to its front panel
- Monitor and Control Software is included for monitoring and indicating the overall projector status. In addition, Multi Projector messaging function can also notify you when a lamp needs replacement, depending on your settings.

Easy and Convenient to Use

- Top-Panel Lamp Replacement and Side Air Filter Replacement
- Top-Panel Lamp Replacement: Simply Maintenance at the Ceiling-Mounted Projector
- Side Air Filter Replacement: Everything you need is at your fingertips.
- An Auto Off Timer switches the projector to Standby mode
- AV mute: Temporarily turns off both the image and the sound
- AV mute: Temporarily turns off both the image and the sound
- Main Power Immediately After Use
- Digital Ender: Extends auxiliary part of the display to its front panel
- Security anchor

Easy Remote Monitoring and Control Even When Mounted on the Ceiling

- Effective Theft Prevention
- With Speed Start, the image quickly appears 9 after you press the power button.
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Other Features

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A Variety of Functions Provide Easy Setup

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More Flexible Images with a Short-Throw Projector. An Ideal Combination with an Interactive Whiteboard.
High Basic Performance, including a 5,000-hour*1 Lamp Replacement Cycle

Panasonic employs a number of advanced technologies — including a proprietary lamp drive system — that help maintain lamp performance. This has resulted in a 5,000-hour*1 lamp replacement cycle, which offers significant cost savings over time. Also, a lead-free glass reduces lamp cost by providing longer usage between lamp replacements.

Intelligent Power Management Function Allows Resistance to Sudden Voltage Fluctuations

In the event of sudden voltage fluctuations, the Intelligent Power Management function automatically controls the power supply to cope with them to prevent the system from shutting off, interrupting the projection. The PT-ST10E is equipped with an Auto Off Timer that switches the projector to standby mode when there are no inputs for a set period of time.

Low Standby Power Consumption of 8.4 W binge the Environment

The ecological design of the PT-ST10E greatly reduces its environmental impact. The PT-ST10E is designed to meet the Energy Star and EU guidelines for energy efficiency. Only a small power is consumed even when the projector is in standby mode, and the lamp power consumption is also reduced. In addition, the Daylight View Basic function is included to reduce power consumption further.

The New Lamp Drive System Enables a 5,000-hour*1 Lamp Replacement Cycle

A built-in sensor measures the ambient light, and the Daylight View Basic function enables even in brightly lit rooms. The circular hole-adjusted the high-throw color and to achieve best according to the surrounding illumination.

Use a Whiteboard to Project Images to Classrooms with no Screens.

When projecting onto a whiteboard normally, the system cannot reproduce images. However, the Panasonic Whiteboard mode enables images with proper reproducing images.

Quiet 29-dB*2 Design Helps to Hold Viewers’ Attention

The quietest in its class*3 PT-ST10E. This helps your audience to keep their attention on the discussion or on the screen images during presentation.

Specifications

<table>
<thead>
<tr>
<th>PT-ST10E</th>
<th>PT-ST10E3</th>
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<tr>
<td>Lamp mode</td>
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<td>327(12-7/8)</td>
<td>135(5-3/16)</td>
<td>307(12-3/32)</td>
</tr>
</tbody>
</table>

Weight

| 3.1 kg (6.8 lbs) |

For more information about Panasonic projectors

http://panasonic.net/avc/projector
A Wired LAN Network Function and Other Functions Allow Easy System Integration

**Easy Remote LAN Network Function and Control**
When Mounted on the Ceiling

A built-in LAN terminal allows you to control the projector from a remote location. This increases system functionality and reduces costs (up to 50%)

- Control using web browser
- Control via network
- Control via RS-232C

**LAN terminal is compatible with PANAware Link**
To open protocol settings, access the LAN setting in the projector menu. The PANAware Link Protocol is a network address translation system that allows for separate networks to share control URLs.

- Remote operation using a LAN browser

**Top Panel Lamp Replacement and Side Air Filter Replacement Simply Maintenance Using a Ceiling-Mounted Projector**

- The lamp and the air filter can be replaced without dismounting the projector (No need to lay down the projector)
- The replacement lamp is easily accessible without any tools

**Project onto a Large, 80-Inch Screen with a Projection Distance of 0.82 m (2.69 ft)**

- 0.82 m (2.69 ft) distance to the screen projects an 80-inch image
- The PT-ST10E can be mounted on the ceiling with a small footprint and a short throw distance

**A Variety of Features Provide Easy Setup**

At the press of a button, images can be projected. This creates a pleasant environment for presentations and meetings.

- 10 Million Color Display: 256 levels for R, G, B
- Auto Signal Search: Automatically detects video input sources
- Freeze Function: Freezes the screen for a fixed amount of time
- On-Screen Help Display: Shows screen images, magnifying functions, and other operations

**Other Features**

- Auto Signal Search automatically detects what kind of source is connected at power up
- All Screen Help Displays: For maximum user convenience, the projector is equipped with a built-in help display, which guides users through the operation. The PT-ST10E is designed to be simple to use and requires no special training.
- Easy and Convenient to Use

**Easy Remote Monitoring and Control Even for Use in Dusty Areas**

- The PT-ST10E is carefully designed by Panasonic in Japan to be effective in dusty areas.
- An Auto Off Timer switches the projector to Standby mode when no input signal is received for a preset time.

**Effective Theft Prevention**

- With Real-Time Keystone Correction, the projector automatically corrects keystone errors to maintain the quality of the image.
- Other Functions

**Rapid Return to the Beginning**

- A fast return to the beginning of the message is enabled. This is convenient for presentations.
- The PT-ST10E is equipped with a 2-minute auto power-off function. This prevents the projector from overheating and increases its service life.

**Convenient, with an Interactive Whiteboard for Standard Equipment**

- The PT-ST10E comes with a projection Whiteboard Kit, which is compatible with standard control systems, and a ceiling bracket and slim mount for easy installation.

**Optional Accessories**

- Ceiling mount: ET-PSR2
- Wall Mount: ET-KFB2
- Replacement Lamp: ET-LAB2
- Replacement Side Filter: ET-LAB2
This compact projector makes large-screen images easier to use, and helps lectures and presentations go more smoothly. The PT-ST10E features a newly developed short-throw lens. This allows installation methods to be used that were not possible with conventional models, for wider range of application. Close-up range projection also reduces shadows on the screen. This adds up to more relaxed, comfortable viewing.

**Easy Remote LAN Network Function and Other Functions Allow Easy System Integration**

- **A Wired LAN Network Function** lets you remotely operate projectors and check their status. An e-mail application will reduce the number of colours to 191.
- **A Compact, Easy-to-Use Wireless Remote Control** can be used with up to eight systems, making it easy to control remote projectors. This also allows the use of further optional remote operation using an infrared receiver. The device is equipped with an RS-232C terminal for external control. The serial control function is compatible with PJLink™ (Class1), an open protocol for the transmission of control signals to various devices.
- **A Freezing/Display Function** is possible when connecting an external audio amplifier. You can select still images, real-time images, and/or two different images side by side. Each image can be frozen (still) image in one and a real-time action image in the other.
- **Top-Panel Lamp Replacement and Side Air Filter Replacement** are also possible in the PT-ST10E.
- **Highly Durable Filter** is recommended if you use the PT-ST10E in a place with much dust and particle collection. The external ET-KFB2 highly durable filter mounts to the PT-ST10E to boost dust and particle collection.
- **Optional Accessories** include ET-PKB2, ET-KFB2, and ET-LAB2 (settable to either blue or black) is displayed on the screen. Lamp brightness may decrease if ECO mode is set to either blue or black.

**Combination with an Interactive Whiteboard**

- **The PT-ST10E** projects clear images of 80 inches (W) x 45 inches (H) on a screen. This makes it easy to project text and graphics clearly, especially in small class sizes.
- **USB Long Structured Code** for Panasonic projectors is 256-bit encryption, and secure communication ensures that the machine is highly resistant to hacking. The image sensor receives a signal from a speaker, and a special anti-theft device is equipped on the screen to prevent it from being removed.
- **Viewing System** of the PT-ST10E is carefully designed by Panasonic in Japan to meet demands for high quality and performance.

**Eco Information**

- **No halogenated flame retardants** are used in the cabinet. **Postulated Volatile Organic Compounds** for easy convey.
- **Digital Zoom** lets you select images up to 1024 X 768 pixel bitmap files. Also, the PT-ST10E is carefully designed by Panasonic in Japan, and is equipped with a variety of security measures, such as a security anchor, a user password, a control panel lock, and network security. The PT-ST10E is also equipped with a wired LAN interface for easy and convenient use. This is convenient for projection in a multi-projector system through the LAN terminal.
### Specifications

**Dimensions**

- **Height from the edge of screen to centre of lens (H):**
  - 0.05 m (-0.5´)
  - 0.05 m (-0.5´)
  - 0.06 m (-0.7´)
  - 0.07 m (-0.8´)
  - 0.08 m (-0.8´)
  - 0.08 m (-0.9´)

**Project size (diagonal) Projection distance (L):**

- 0.60 m (1.97´)
- 0.71 m (2.33´)
- 0.82 m (2.69´)
- 0.92 m (3.02´)
- 1.03 m (3.38´)
- 1.14 m (3.74´)

**PT-ST10E (Screen aspect ratio = 4:3):**

- 1.52 m (60´´)
- 1.78 m (70´´)
- 2.03 m (80´´)
- 2.29 m (90´´)
- 2.54 m (100´´)
- 2.79 m (110´´)

**Weights and dimensions shown are approximations. Specifications are subject to change without notice.**

**Power supply:**

- 100-240 V AC, 50/60 Hz

**Supplied accessories:**

- Power cord, power cord secure lock, wireless remote control, batteries for remote control (R03 type x2), VGA cable, Application software (CD-ROM), safety wire rope

**For more information about Panasonic projectors:**

- [http://panasonic.net/avc/projector](http://panasonic.net/avc/projector)

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**Terminals**

- D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)
- D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)
- RCA pin x 1 (Composite video x 1)
- Mini DIN 4-pin x 1 (S-Video x 1)
- M3 x 2 (L-R x 2)
- M3 x 1 (L-R x 1)
- D-sub 9-pin x 1 (RS-232C)
- RJ-45 x 1, compatible with PJLink™ (class 1), 100BASE-TX/10BASE-T

**Power consumption:**

- 300 W (0.4 W*1 in eco standby mode. 15 W in normal standby mode. 18 W in normal standby mode when set to audio monitor out and with fan stopped.)

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**LCD panel**

- 16 mm (0.63´´) diagonal, 4:3 aspect ratio

**Optical system**

- Dichroic mirror separation/prism synthesis system

**Optical axis shift**

- Vertical: ±10°

**Contrast**

- 85%*2

**Brightness**

- 2,800 lumens*2

**Centre-to-corner uniformity**

- 220 W UHM lamp

**Resolution**

- 1,024 x 768*3

**Scanning frequency**

- **RGB:**
  - 480i(525i): fH 15.75 kHz; fV 60 Hz
  - 576i(625i): fH 15.63 kHz; fV 50 Hz
  - 480p(525p): fH 31.50 kHz; fV 60 Hz
  - 576p(625p): fH 31.25 kHz; fV 50 Hz
  - 720(750)/60p: fH 45.00 kHz; fV 60 Hz
  - 720(750)/50p: fH 37.50 kHz; fV 50 Hz
  - 1080(1125)/60i: fH 33.75 kHz; fV 60 Hz
  - 1080(1125)/50i: fH 28.13 kHz; fV 50 Hz
  - 1080(1125)/60p: fH 67.50 kHz; fV 60 Hz
  - 1080(1125)/50p: fH 56.25 kHz; fV 50 Hz

- **S-Video/Video:**
  - 480i(525i): fH 15.75 kHz; fV 60 Hz
  - 576i(625i): fH 15.63 kHz; fV 50 Hz

**Display method**

- Full colour (16,777,216 colours)

**Drive method**

- Fixed, manual focus, F 1.80, f 6.74 mm

**Dimensions (W x H x D):**

- 327 x 135 x 307 mm(12-7/8 " x 5-5/16" x 12-3/32")

**Weight:**

- Approx. 3.1 kg(6.83 lbs.)*5