

Panasonic

Micro Portable LCD Projectors

PT-LC80E

PT-LC76E

PT-LC56E

Simple
Stylish
Slim
Secure



- 2000/1600 ANSI lumens¹
- Slim and compact:
 - 65 mm high (approx. 2.6")²
 - A4 size: 297 x 209 mm (11.7" x 8.2")
- Light weight: 2.2 kg (4.9 lbs)
- Easy to use:
 - Extra-short-throw lens
 - One-touch auto setup
 - Automatic keystone correction
 - Automatic input signal detector
- RGB2-in/RGB1-out switchable
- Anti-theft features:
 - User password
 - Control panel lock
 - Text superimposing
- Auto power off

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PT-LC80E

Easy Presentations with
2000 ANSI Brightness

- 2000 ANSI lumens brightness
- 400:1 contrast ratio
- Native XGA resolution
- H/V keystone correction
- Blackboard mode



PT-LC76E

The High-Quality,
Mobile Solution

- 1600 ANSI lumens brightness
- 300:1 contrast ratio
- Native XGA resolution
- Vertical keystone correction



PT-LC56E

Easy-to-Use,
All-Round Performer

- 1600 ANSI lumens brightness
- 400:1 contrast ratio
- Native SVGA resolution
- Vertical keystone correction

The Mobile Presentation Solution



You've put the perfect presentation together, but you don't have a lot of time. Every second counts. You've got to get set up quickly. That's when you need the Panasonic micro-portable projector. Its unique one-touch auto setup with digital keystone correction lets the projector practically set itself up. Just watch for the power indicator on the top panel to turn green—that's your "GO" signal to start presenting.

The slim, compact body of the PT-LC80E, PT-LC76E and PT-LC56E won't block the audience's view, and its stylish design will make a good impression even before the presentation begins. Exactly the length and width of A4-size paper and only 65 mm high, these micro-portable units slip easily into a bag alongside a notebook PC to give you a complete mobile presentation system.

The PT-LC80E, PT-LC76E and PT-LC56E are also equipped with a number of anti-theft features, like control panel lock that makes it impossible for others to operate the projector without the remote control. And the minimal size lets you store the projector just about anywhere, so you can select a secure location that will help deter potential thieves.

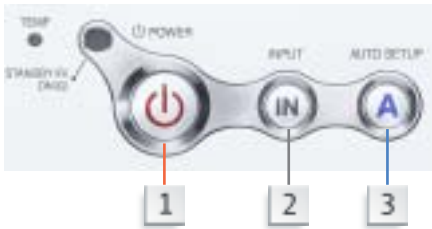


Simple

Quick and Easy 1-2-3 Setup

The top panel of the projector has just three control buttons: POWER, INPUT, and AUTO SETUP. Simply aim the projector at the screen and press the three buttons*... it's that easy!

* After turning on the main power and putting the projector into standby mode.



- 1 **Power up ...**
Turn on the main power at the rear of the projector, then press the power button.
- 2 **Select input ...**
Select your input signal source.
- 3 **Setup is automatic ...**
Press the auto setup button, and the projector automatically adjusts to display the image correctly.

One-Touch Auto Setup

The one-touch auto setup function with digital keystone correction saves you time and trouble. The projector handles all picture adjustments, from phasing and dot clocks to vertical and horizontal position. With setup so quick and easy, you can start your presentation almost immediately.

Automatic Digital Keystone Correction

The Panasonic original built-in gravity sensor—featured on each model—determines the projector's angle relative to the floor and corrects for vertical keystone distortion accordingly. This is performed automatically as part of the one-touch auto setup function. With the PT-LC80E, horizontal (left/right) keystone correction can be performed manually using the on-screen menu.

NOTE: Automatic vertical keystone correction can be turned off if desired.



Each model features vertical digital keystone correction. The PT-LC80E provides a horizontal keystone correction as well.

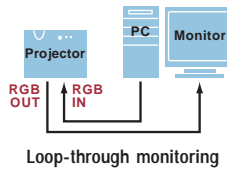
Automatic Input Signal Detector

The new automatic signal detector also handles the entire re-setup procedure for you if

the input signal changes. In other words, once you've used the One-Touch Auto Setup function at the start of your presentation, you can connect different PCs without any further adjustment—you don't even have to press the auto setup button each time.

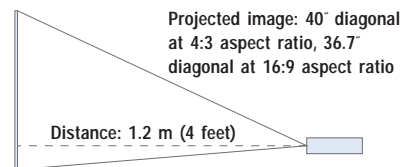
RGB2-In/RGB1-Out Switchable

The PT-LC80E, PT-LC76E and PT-LC56E accept up to two RGB inputs, which eliminates the need to juggle and reconnect equipment when giving consecutive presentations from two different PCs. The RGB2 terminal can also serve as a loop-through monitoring terminal for the RGB1 input, making it easy to give presentations while viewing the display on a desktop or notebook computer.



Extra-Short-Throw Lens

Each model is equipped with a large-diameter, extra-short-throw lens. This shortens the necessary projection distance, thereby saving space. You can project a 32"-wide screen, for example, from only 1.2 meters (four feet) away, which lets you place the projector right at the front of the table. Your presentations can be both more comfortable and more convenient, with large, easy-to-see images even in smaller rooms.



Blackboard Mode (PT-LC80E Only)

This special picture mode allows the PT-LC80E to project images onto an ordinary



classroom or conference room blackboard when a projection screen is not available.

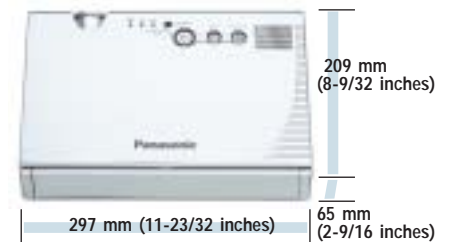
High 2000/1600 ANSI Lumens Brightness

The PT-LC80E delivers super-bright output with 2000 ANSI lumens and the PT-LC76E and PT-LC56E provides 1600 ANSI lumens—thanks to a high-performance optical system and high-efficiency 160W UHM™ lamp—for sharp, crisp images that are easy to see. Each projector also provides excellent brightness uniformity of 90%.

Stylish/Slim

Compact and Lightweight

The PT-LC80E, PT-LC76E and PT-LC56E have a simple, streamlined look. Measuring 209 mm long by 297 mm wide and 65 mm high, these micro-portable units can slip easily into a bag for carrying, together with a notebook PC. And they weigh only 2.2 kg. Their lightweight, space-saving design lets you store it on a bookshelf, in a locker—virtually anywhere you want.



Rear Terminals

- Used to connect to a PC for external control (RS-232C)
- Inputs for RGB and YPBPR signals. Using the on-screen menu, the RGB 2 IN can be switched to RGB 1 OUT for loop-through monitoring.
- Audio input: Common for RGB1, RGB2, S-Video and Video.
- Remote control signal receptor
- On-screen menu controller
- Discrete S-Video (S1 signal compatible) and video inputs.
- Main power switch

Secure

Anti-Theft Features

The PT-LC80E, PT-LC76E and PT-LC56E are designed with effective anti-theft features, including a user password, control panel lock and text superimposing. It also has a security lock slot compatible with the Kensington MicroSaver® cable.

User Password



When the projector power is turned on, a screen appears prompting you to enter the password. Unless the

correct password is input, nothing but the power button can be operated. The password can be changed as desired.

Control Panel Lock



Using a setting on the on-screen menu, you can disable the operation of all of the controls on the top and rear panels of the projector. This setting can only be

cancelled with the unit's own card remote control. By simply storing the projector and remote control separately, you can thus prevent unauthorised use.

Text Superimposing

You can program a text line to be superimposed on the bottom of the projected image. This helps to deter theft by continually displaying, for example, your company name, URL, or a warning of your choice.



You can create any wording you like (up to 22 characters) from the menu setting.



Continual display of this text at the bottom of the image screen has a theft-deterrent effect.

Additional Valuable Features

- Auto power off lets you specify a time (from 15 to 60 minutes, in 5-minute steps) after which the projector automatically enters standby mode if unused.
- HDTV compatibility
- Full compatibility with sRGB colour space for accurate colour reproduction (in natural mode)
- Colour temperature selection (standard/high/low)
- Picture mode selection (standard/dynamic/natural)

- 3x digital zoom
- Index Window
- Freeze
- Advanced shutter function for image muting
- Selectable 7-language on-screen menu (English, German, French, Spanish, Italian, Japanese, Chinese)
- Automatic RGB input selection
- Discrete S-Video and video inputs allow connection of two DVD/video sources at a time
- Ceiling mountable (option)
- The lid for the rear panel can be detached for fixed ceiling mounting.
- The card remote control fits in the palm of your hand, and gives you smooth control of all major operations.
- Card remote control storage space (in rear panel)
- Lamp power high/low selection
- Fan control for high elevations (above 1,400 m/4,600 feet)
- RGB signal input indication
- Temperature warning indication
- Lamp replacement warning indication
- Carrying bag supplied



Features at a Glance

| | PT-LC80E | PT-LC76E | PT-LC56E |
|---------------------------------|-------------------------|------------------|------------------|
| Brightness | 2000 ANSI lumens | 1600 ANSI lumens | 1600 ANSI lumens |
| Contrast ratio | 400:1 | 300:1 | 400:1 |
| Native resolution (max.) | XGA (UXGA) | XGA (UXGA) | SVGA (UXGA) |
| Throw distance | 1.1 – 10.7 m | 1.1 – 11.0 m | 1.1 – 11.0 m |
| One-touch auto setup | Yes | Yes | Yes |
| Keystone correction | Vertical and horizontal | Vertical | Vertical |
| Automatic input signal detector | Yes | Yes | Yes |
| Two RGB inputs | Yes | Yes | Yes |
| RGB2-in/RGB1-out switchable | Yes | Yes | Yes |
| Blackboard mode | Yes | No | No |
| User password | Yes | Yes | Yes |
| Control panel lock | Yes | Yes | Yes |
| Text superimposing | Yes | Yes | Yes |
| Auto power off | Yes | Yes | Yes |

Specifications

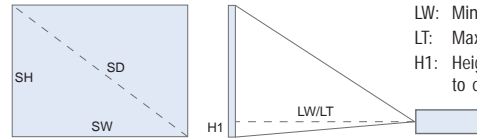
| | |
|---------------------------|---|
| LCD Panel | 0.7-inch diagonal (4:3 aspect ratio) x 3 |
| Pixels | PT-LC80E/LC76E 1024 x 768 x 3 pixels (2,359,296 pixels) |
| | PT-LC56E 800 x 600 x 3 pixels (1,440,000 pixels) |
| Lamp | 160 W UHM™ lamp |
| Brightness*1 | PT-LC80E 2000 ANSI lumens |
| | PT-LC76E/LC56E 1600 ANSI lumens |
| Uniformity | 90% |
| Contrast Ratio | PT-LC80E/LC56E 400:1 (full on/full off) |
| | PT-LC76E 300:1 (full on/full off) |
| | Manual zoom, manual focus, |
| Lens | PT-LC80E F 1.7–1.9, f 21.5–25.8 mm |
| | PT-LC76E/LC56E F 2.0–2.3, f 22.0–26.2 mm |
| Image Size (diagonal) | 33"–300" / 83.8–762 cm (aspect ratio: 4:3) |
| Optical Shift | 6:1 (fixed) |
| Keystone Correction Range | PT-LC80E ±30° vertically, ±20° horizontally (Horizontal: Max. ±30° with vertical correction off) |
| | PT-LC76E/LC56E ±30° vertically |
| | Video Compatibility |
| Video | PAL, PAL-M, PAL-N, PAL60, SECAM, NTSC, M-NTSC |
| YPbPr | 525i (480i), 625i (576i), 525p (480p), 750p (720p), 1125i (1080i) |
| Computer Compatibility | VGA, SVGA, XGA, SXGA, UXGA, Mac |
| H-Sync/V-Sync Range | 15–91 kHz, 50–85 Hz |
| Built-in speaker | 4 x 3 cm (1.6" x 1.2"), 2 W output power (monaural) |
| Terminals | VIDEO IN (RCA x 1) |
| | S-VIDEO IN (Mini DIN 4-pin x 1) |
| | AUDIO IN (RCA, L/R x 1) |
| | RGB1 IN (D-sub HD 15-pin x 1) |
| | RGB2 IN/RGB1 OUT, switchable (D-sub HD 15-pin x 1) |
| | SERIAL (DIN 8-pin) |
| On-Screen Menu | 7 languages (English, French, German, Spanish, Italian, Chinese, Japanese) |
| Installation | Ceiling/desk, front/rear (menu selection) |
| Power Supply | 100–240 V AC (auto-voltage), 50/60 Hz |
| Power Consumption | 220 W (standby mode*2: 3 W) |
| Weight | 2.2 kg/4.9 lbs |
| Dimensions (W x H x D)*3 | 297 x 65 x 209 mm (11-23/32" x 2-9/16" x 8-7/32") |
| Operating Temperature | 0°–40°C (32°–104°F) |
| Operating Humidity | 20%–80% |
| Supplied Accessories | • Power cord |
| | • Card-type remote control unit |
| | • Battery for remote control unit |
| | • VGA cable (3 m/9.9') |
| | • AV cable (3 m/9.9') |
| | • Carrying bag |
| Optional Accessories | Replacement lamp unit: ET-LAC80 |
| | Ceiling mount bracket: ET-PKC80 |
| | Full-function wireless remote control: ET-RM200 |
| | Serial adaptor (DIN 8-pin to D-sub 9-pin): ET-ADSER |

*1 ANSI lumens is the measuring method of the American National Standards Institute IT7.228. Since there is no uniform method of measuring brightness, specifications may vary among manufacturers.

*2 With fan stopped.

*3 Without lens cover, and not including protruding parts and legs. Height including legs is 72 mm (2-27/32").

Projection Distance



SD: Diagonal image size
SH: Height of projected image
SW: Width of Projected image
LW: Minimum projection distance
LT: Maximum projection distance
H1: Height from the edge of screen to centre of lens

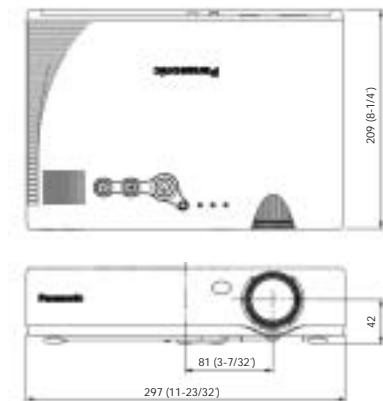
PT-LC80E

| Diagonal image size (4:3 aspect ratio) | Distance to screen | | Height from the edge of screen to centre of lens |
|---|--------------------|----------------|--|
| | min. | max. | |
| 33" / 0.84 m / 2.7' | – | 1.1 m / 3.6' | 8 cm / 3.1" |
| 40" / 1.02 m / 3.3' | 1.2 m / 3.9' | 1.4 m / 4.6' | 9 cm / 3.5" |
| 50" / 1.27 m / 4.2' | 1.5 m / 4.9' | 1.7 m / 5.6' | 11 cm / 4.3" |
| 60" / 1.52 m / 4.9' | 1.8 m / 5.9' | 2.1 m / 6.9' | 14 cm / 5.5" |
| 70" / 1.78 m / 5.8' | 2.1 m / 6.9' | 2.4 m / 7.9' | 16 cm / 6.3" |
| 80" / 2.03 m / 6.7' | 2.4 m / 7.9' | 2.8 m / 9.2' | 18 cm / 7.1" |
| 90" / 2.29 m / 7.5' | 2.7 m / 8.9' | 3.2 m / 10.5' | 20 cm / 7.9" |
| 100" / 2.54 m / 8.3' | 3.0 m / 9.8' | 3.5 m / 11.5' | 22 cm / 8.7" |
| 120" / 3.05 m / 10.0' | 3.6 m / 12.5' | 4.2 m / 13.8' | 26 cm / 10.2" |
| 150" / 3.81 m / 12.5' | 4.5 m / 14.8' | 5.3 m / 17.4' | 33 cm / 13.0" |
| 200" / 5.08 m / 16.7' | 6.0 m / 19.7' | 7.1 m / 23.3' | 44 cm / 17.3" |
| 250" / 6.35 m / 20.8' | 7.5 m / 24.6' | 8.9 m / 29.2' | 55 cm / 21.7" |
| 300" / 7.62 m / 25.0' | 9.0 m / 29.5' | 10.7 m / 35.1' | 66 cm / 26.0" |

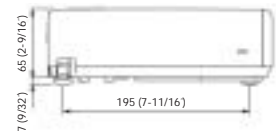
PT-LC76E/LC56E

| Diagonal image size (4:3 aspect ratio) | Distance to screen | | Height from the edge of screen to centre of lens |
|---|--------------------|----------------|--|
| | min. | max. | |
| 33" / 0.84 m / 2.7' | – | 1.1 m / 3.6' | 8 cm / 3.1" |
| 40" / 1.02 m / 3.3' | 1.2 m / 3.9' | 1.4 m / 4.6' | 9 cm / 3.5" |
| 50" / 1.27 m / 4.2' | 1.5 m / 4.9' | 1.8 m / 5.9' | 11 cm / 4.3" |
| 60" / 1.52 m / 4.9' | 1.8 m / 5.9' | 2.1 m / 6.9' | 14 cm / 5.5" |
| 70" / 1.78 m / 5.8' | 2.1 m / 6.9' | 2.5 m / 8.3' | 16 cm / 6.3" |
| 80" / 2.03 m / 6.7' | 2.4 m / 7.9' | 2.9 m / 9.5' | 18 cm / 7.1" |
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| 100" / 2.54 m / 8.3' | 3.0 m / 9.8' | 3.6 m / 11.8' | 22 cm / 8.7" |
| 120" / 3.05 m / 10.0' | 3.7 m / 12.1' | 4.3 m / 14.1' | 26 cm / 10.2" |
| 150" / 3.81 m / 12.5' | 4.6 m / 15.1' | 5.4 m / 17.7' | 33 cm / 13.0" |
| 200" / 5.08 m / 16.7' | 6.1 m / 20.0' | 7.3 m / 24.0' | 44 cm / 17.3" |
| 250" / 6.35 m / 20.8' | 7.6 m / 24.9' | 9.1 m / 29.9' | 55 cm / 21.7" |
| 300" / 7.62 m / 25.0' | 9.2 m / 30.2' | 11.0 m / 36.1' | 66 cm / 26.0" |

Dimensions



Unit: mm (inch)



Panasonic

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