

Elegant Styling, All-Round Versatility



3,000 lm | XGA

Panasonic's new LCD projector PT-LB78 is ideal for anyone who wants an easy-to-use projector but doesn't want to compromise on image quality and performance. The highly advanced dust-resistant design minimizes image degradation by reducing the entry of dust into the unit. The design includes "gapless" touch-sensor controls on the top panel and an airtight structure that concentrates the air intake into



a single location. Panasonic's original Daylight View 4 feature provides bright, crisp images even in brightly lit conditions. In short, the PT-LB78 incorporates the unique essence and versatility of Panasonic projector technologies while maintaining an elegant design.

Dust-Resistant Structure Minimizes Image Degradation

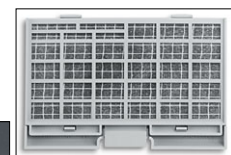
After a projector has been used for some time, dust particles that have entered the interior accumulate on the optical components and lower performance. The PT-LB78 prevents this with a unique dust-resistant design. This totally redesigned package has touch-sensor controls that eliminate the gaps around conventional buttons and a lens cover. The design also incorporates a cover that protects the zoom/focus ring when not in use. These features combine to help reduce dust entry. Inside the projector, the airflow is efficiently controlled by a structure that reduces contact between external air and the optical components. This all works together with the high-performance Micro Cut Filter to minimize image degradation.

Dust-Resistant Structure

The PT-LB78 enables excellent, long-term performance by minimizing the entry of dust into the unit.



Touch-sensor controls on the top



Micro Cut Filter



A zoom/focus ring cover and a lens cover

Daylight View 4 Offers Clear, Crisp Images Even in Bright Surroundings*

The PT-LB78 features Panasonic's Daylight View 4 technology. Sharp edges are achieved with the "Edge Enhancer Control" and "Gamma Curve Control." Remarkable detail is provided and perceived brightness and contrast are enhanced, so images appear crisp, vivid, 3-dimensional and easy to see even in brightly lit rooms. Daylight View 4 also includes a built-in ambient light sensor that automatically detects room brightness and adjusts operation accordingly.



* There is no actual change in the rated brightness or contrast ratio.



Simulated image with Daylight View 4 turned off. Overall contrast appears lower, and images in dark areas cannot be seen.



Simulated image with Daylight View 4 turned on. Detail, depth, brightness and contrast over the entire image are enhanced.



Other Valuable Features

- Quick Operation: Three-Second Speed Start, Auto Search, Real-Time Keystone Correction, and Direct Power Off
- Quiet operation: 29 dB (in Eco mode)
- Ceiling-installation capability
- Easy lamp replacement from the rear
- Anti-theft features: Security anchor, user password, control panel lock and text superimposing
- Picture mode selection (standard/dynamic/natural/blackboard)
- Closed caption decoder built-in for the US market (for the PT-LB78U only)



Supplied remote control



Rear terminals

Specifications

(The specifications and design are subject to change without notice as product development proceeds.)

| | | |
|-------------------------------|---|---|
| Models | PT-LB78 | |
| Power supply | 100-240 V AC, 50/60 Hz | |
| Power consumption | 300 W (Approx. 4 W in standby mode with fan stopped) | |
| LCD panel | Panel size | 0.63" (16 mm) diagonal, 4:3 aspect ratio |
| | Display method | Transparent LCD panel (x 3, R/G/B) |
| | Drive method | Active matrix |
| | Pixels | 1,024 x 768 (x 3) |
| Lens | Manual zoom (1.1-1:1.2), manual focus, F 1.65-1.93, f 18.53-22.18 mm | |
| Throw ratio | 1.4-1.7:1 | |
| Lamp | 220 W UHM lamp | |
| Projection size (diagonally) | 33-300 inches (4:3 aspect ratio) | |
| Colors | Full color (16,777,216 colors) | |
| Brightness*1 | 3,000 lumens | |
| Center-to-corner uniformity*1 | 85 % | |
| Contrast ratio*1 | 500:1 (full on / full off) | |
| Resolution (RGB) | 1,024 x 768*2 | |
| Scanning frequency RGB | Horizontal: | 15-91 kHz, vertical: 50-85 Hz |
| | YPbPr | 480i (525i): fh 15.75 kHz; fv 60 Hz 480p (525p): fh 31.5 kHz; fv 50 Hz 576i (625i): fh 15.63 kHz; fv 60 Hz 576p (625p): fh 31.25 kHz; fv 50 Hz 720p (750p): fh 45.00 kHz; fv 60 Hz 720p (750p): fh 37.50 kHz; fv 50 Hz 1080i (1125i): fh 33.75 kHz; fv 60 Hz 1080i (1125i): fh 28.13 kHz; fv 50 Hz |
| S-Video/Video | NTSC, NTSC4.43, PAL-M, PAL60: fh 15.75 kHz; fv 60 Hz PAL, SECAM, PAL-N: fh 15.63 kHz; fv 50 Hz | |
| Optical axis shift | 5:1 (fixed) | |
| Keystone correction range | Vertical: ±30° | |
| On-screen menu | 17 languages: English, French, German, Spanish, Italian, Korean, Russian, Chinese, Japanese, Swedish, Norwegian, Danish, Portuguese, Polish, Hungarian, Czech, and Thai | |
| Installation | Front/rear ceiling/desk (menu selection) | |
| Built-in speakers | 1.0 W (monaural) output power | |
| Terminals | COMPUTER 1 IN | D-sub HD 15-pin x 1 |
| | COMPUTER 2 IN/1 OUT | D-sub HD 15-pin x 1 (input/output selectable using on-screen menu) |
| | VIDEO IN | RCA pin x 1 |
| | S-VIDEO IN | Mini DIN 4-pin x 1 |
| | AUDIO IN | RCA (L-R) x 1 (for VIDEO/S-VIDEO) |
| | COMPUTER AUDIO IN | M3 (stereo) x 1 |
| | VARIABLE AUDIO OUT | M3 (stereo) x 1 |
| | SERIAL | D-sub 9-pin x 1 (RS-232C) |
| Power cord length | 2 m (6'7") | |
| Cabinet material | Molded plastic (PC+ABS) | |
| Dimensions*3 (W x H x D) | 368 x 88 x 233 mm (14-1/2" x 3-15/32" x 9-3/16") | |
| Weight*4 | 2.96 kg (6.5 lbs.) | |
| Operation environment | Temperature | 0°-40°C (32°-104°F) |
| | Humidity | 20%-80% (no condensation) |
| Wireless remote control unit | Power supply | 3 V DC (AA battery x 2) |
| | Operation range*5 | Approx. 15 m (49'3" feet) when operated from directly in front of the signal receptor |
| | Dimensions (W x H x D) | 48 x 163 x 24.5 mm (1-7/8" x 6-13/32" x 31/32") |
| Weight*4 | 117 g (4.2 oz) (including batteries) | |
| Supplied accessories | Power cord, power cord secure lock, wireless remote control, batteries for remote control, VGA cable, carrying bag | |
| Optional accessories | ET-LAB80 Replacement lamp unit, ET-PKB80 Ceiling mount bracket | |

*1: Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. *2: Input signals that exceed this resolution will be converted to 1,024 x 768 pixels. *3: Protruding parts are not included. *4: Average value. May differ depending on models. *5: Operation range differs depending on the environment.

PT-LB78 Projection Distance (4:3)

| Project size (diagonal) | Projection distance (L) | | Height from the edge of screen to center of lens (H) |
|-------------------------|-------------------------|-----------------|--|
| | Min (wide) | Max (telephoto) | |
| 0.84 m / 33" | - / - | 1.1 m / 3.7' | 0.08 m / 0.28' |
| 1.02 m / 40" | 1.1 m / 3.7' | 1.4 m / 4.5' | 0.10 m / 0.33' |
| 1.52 m / 60" | 1.7 m / 5.6' | 2.1 m / 6.8' | 0.15 m / 0.50' |
| 2.03 m / 80" | 2.3 m / 7.6' | 2.8 m / 9.1' | 0.20 m / 0.67' |
| 2.54 m / 100" | 2.9 m / 9.5' | 3.5 m / 11.4' | 0.25 m / 0.83' |
| 3.81 m / 150" | 4.3 m / 14.3' | 5.2 m / 17.1' | 0.38 m / 1.25' |
| 5.08 m / 200" | 5.8 m / 19.0' | 7.0 m / 22.9' | 0.51 m / 1.67' |
| 7.62 m / 300" | 8.7 m / 28.6' | 10.5 m / 34.4' | 0.76 m / 2.50' |

NOTES ON USE

- The projector uses a high-voltage mercury lamp that contains high internal pressure. This lamp may break, emitting a large sound, or fail to illuminate, due to impact or extended use. The length of time that it takes for the lamp to break or fail to illuminate varies greatly depending on individual lamp characteristics and usage conditions.
- The brightness of the lamp will gradually decrease with use.
- The projector includes consumable parts. The frequency of replacement for the lamp and other consumable parts will increase if the projector is subjected to extended, continuous use. For details, please consult a service representative.

Panasonic

Projectors Global Web Site
<http://panasonic.net/avc/projector>



JQA-1617



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All information included here is valid as of April 2009.

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