Panasonic
ideas for life

PT-LB10U

Micro Portable XGA LCD Projector

Powerful, Compact, Quick

■ **High performance, compact body**
- - 2000 lumens bright
- - Notebook-size compact body
- - Ultra-lightweight: 4.7 pounds
- - Short-throw zoom lens

■ **Quick operation**
- - 5-second speed start
- - One-touch auto setup with digital keystone correction
- - Direct power off

■ **Sophisticated functions**
- - Project AI
- - Index window
- - Secure, anti-theft features
- - Auto power off

Unplug and Go

Designed for both top performance and easy mobility, the Panasonic PT-LB10U packs an array of powerful functions into a compact, lightweight body.

The PT-LB10U boasts an outstanding 2000 lumens of brightness.

Operation is quick and convenient. With Speed Start, the image appears in approximately five seconds after you press the power button. And when the presentation is completed, Direct Power Off lets you disconnect the power cable and move the projector right away.

These features combine with one-touch auto setup and automatic keystone correction to save you time before, during, and after a presentation. You'll find the PT-LB10U a pleasure to use from the moment you arrive till the moment you leave.

High Performance, Compact Body

2000 Lumens Bright
A high-performance optical system combines with a high-efficiency 155-W UHM™ lamp to deliver a super-bright 2000 lumens.

Notebook-Size Compact Body
PT-LB10U is 11.7 inches wide by 8.3 inches deep—about the size of an letter-size paper—and only 2.6 inches high. It slips easily into a bag or briefcase. The compact size makes the PT-LB10U highly mobile and minimizes the space required for presentations or storage.

297 mm (11-23/32")
65 mm (2-9/16")
210 mm (8-9/32")

Ultra-Lightweight: 4.7 Pounds
At only 4.7 pounds, PT-LB10U won't weigh you down — even when you're toting along a notebook PC as well. Convenient size and weight are just two reasons why the PT-LB10U is the logical choice for mobile presentations.

Quick Operation

These three functions give you a quicker start and a faster finish. They take all the trouble out of setting up, so you can concentrate on your presentation.

Ready
5-Sec Speed Start
Switch the power on and the projector is ready in just five seconds.

Set
One-Touch Auto Setup
Simply point the projector toward the screen and press the Auto Setup button. The projector makes all the necessary settings itself.

Presentation

Go
Direct Power Off
When the presentation is finished, you can switch off the power, unplug, and leave with the projector right away.

Short-Throw Zoom Lens

This saves space by shortening the distance needed between screen and projector. You can project a 100-inch image from about 9.8 feet away, which lets you place the projector at the front of the table.

Quick Operation

5-Second Speed Start

Speed Start slashes the time it takes to get your presentation under way. The image appears in approximately 5 seconds after you press the power button. Behind this breakthrough is Panasonic's high-precision lamp and lamp power supply—an advantage made possible by our advanced production technology.

One-Touch Auto Setup with Digital Keystone Correction

This function assures quick and easy setup. The projector handles the basic image adjustments, from phasing to vertical and horizontal position. The built-in gravity sensor detects the projector's angle relative to the floor and corrects for vertical keystone distortion accordingly.

Direct Power Off

When the presentation is completed, Direct Power Off lets you disconnect the power cable and move the projector right away* because the cooling fan keeps operating until the lamp is cooled.

> * **The projector cannot be placed into a bag until the cooling fan stops operating.**

Auto Search

This detects which signal is input and switches automatically. It also memorizes the input last used so that you don't have to press the Input Select button next time you turn on the projector if you usually project the same input source.

Sophisticated Functions

Secure, Anti-Theft Features

The PT-LB10U is 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.
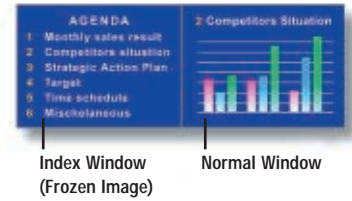
Projector AI

It automatically adjusts the lamp power to the optimum level to match the characteristics of the picture in real time. The result is increased dynamic range for higher contrast.

Index Window

Any image in the presentation, RGB or video input, can be frozen, and displayed on the left or right side of the screen as an Index Window, while the display of subsequent images continues on the other side.

Index Window (Frozen Image)   **Normal Window**

Auto Power Off

This lets you specify a time (from 15 to 60 minutes, in 5-minute steps) after which the projector automatically enters standby mode if unused.

More Valuable Features

- Automatic input signal detector
- HDTV compatibility
- Full compatibility with sRGB color space for accurate color reproduction (in natural mode)
- Color temperature selection (standard/high/ low)
- Picture mode selection (standard/dynamic/ natural)
- Blackboard mode allows you to project images onto an ordinary classroom or conference room blackboard.
- Still mode
- 3x digital zoom
- Freeze
- Shutter function for image and sound muting
- Selectable 8-language on-screen menu (English, German, French, Spanish, Italian, Russian, Chinese, Korean)
- Discrete S-Video and video inputs allow connection of two DVD/video sources at a time
- Card remote control
- Ceiling mountable (option)
- Lamp power high/low selection
- Fan control for high elevations (above 4,600 feet/1,400 m)
- Temperature warning indication
- Lamp replacement warning indication

Direct Power Off

When the presentation is done, just unplug the power cord, pack up and go. The projector continues cooling even after you pull the plug, so you can move quickly from one site to the next.

Simple, easy-to-understand control buttons with logical layout

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Ecology-Conscious Design

Panasonic works from every angle to minimize environmental impact in the product design, production and delivery processes, and in the performance of the product itself over its life cycle. The PT-LB10U reflects the following ecological considerations.

- Lead-free solder is used to mount components to the printed circuit boards.
- No halogenated flame retardants are used in the cabinet.
- No styrofoam is used in the packing materials.
- Lead-free glass is used for the lens.
- The packing case and operating manual are made from recycled paper.

Separate power supply for cooling fan and control circuit

Rear View

Specifications

Power supply	100–240 V AC, 50/60 Hz
Power consumption	220 W (6 W in standby mode with fan stopped)
Optical system	Dichroic mirror separation/prism synthesis system
LCD panel	
Panel size	0.7˝ diagonal with micro lens array (4:3 aspect ratio)
Display method	Transparent LCD panel (x 3, R/G/B)
Drive method	Active matrix
Pixels	786,432 (1,024 x 768) x 3, total of 2,359,296 pixels
Pixel configuration	Stripe
Lens	Manual zoom/focus lens (1:1–1:1.2), F 1.7–1.9, f 21.5–25.8 mm
Lamp	155 W UHM™ lamp
Colors	Full color (16,777,216 colors)
Brightness	2000 lumens
Uniformity	90%
Contrast	500:1*[1] (full on/full off)
Scanning frequency	
RGB	Horizontal: 15–91 kHz, Vertical: 50–85 Hz
YP_BP_R	480i (525i): f_H 15.75 kHz; f_V 60 Hz
	576i (625i): f_H 15.63 kHz; f_V 50 Hz
	480p (525p): f_H 31.5 kHz; f_V 60 Hz
	576p (625p): f_H 31.25 kHz; f_V 50 Hz
	720p (750p): f_H 45 kHz; f_V 60 Hz
	1080i (1125i): f_H 33.75 kHz; f_V 60 Hz
	1080i (1125i): f_H 28.125 kHz; f_V 50 Hz
S-Video/Video	NTSC, NTSC4.43, PAL-M, PAL60: f_H 15.75 kHz; f_V 60 Hz
	PAL, SECAM, PAL-N: f_H 15.63 kHz; f_V 50 Hz
Projection size	33–300 inches (838–7,620 mm) diagonally
Throw distance	3˝7˝–35˝1˝ (1.1–10.7 m)
Optical axis shift	6:1 (fixed)
Screen aspect ratio	4:3
Keystone correction range	Vertical: approx. ±30°
On-screen menu	8 languages: English, French, German, Spanish, Italian, Chinese, Korean, Russian
Installation	Ceiling/desk, front/rear (menu selection)
Built-in speakers	1.0 W (monaural) output power

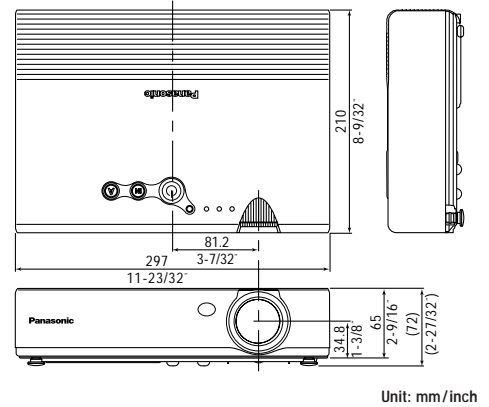|	
Terminals	
RGB IN	D-sub HD 15-pin x 1
RGB signal	G: 0.7 Vp-p (1.0 Vp-p for Sync on G), 75 Ω; R, B: 0.7 Vp-p, 75 Ω HD, VD, SYNC: TTL, high impedance (positive/negative polarity)
YP_BP_R signal	Y: 1.0 Vp-p (including sync signal), 75 Ω; P_B, P_R: 0.7 Vp-p, 75 Ω
RGB OUT	D-sub HD 15-pin x 1
RGB signal	G: 0.7 Vp-p (1.0 Vp-p for Sync on G), 75 Ω; R, B: 0.7 Vp-p, 75 Ω HD, VD, SYNC: TTL, high impedance (positive/negative polarity)
YP_BP_R signal	Y: 1.0 Vp-p (including sync signal), 75 Ω; P_B, P_R: 0.7 Vp-p, 75 Ω
VIDEO IN	RCA pin x 1, 1.0 Vp-p, 75 Ω
S-VIDEO IN	Mini DIN 4-pin x 1, Y: 1.0 Vp-p, C: 0.286 Vp-p, 75 Ω
AUDIO IN	RCA (L, R) x 1, 0.5 Vrms, for RGB/VIDEO/S-VIDEO
SERIAL	Mini DIN 8-pin x 1 (RS-232C)
Power cord length	6˝7˝ (2 m)
Cabinet material	ABS/PC
Dimensions (W x H x D)	11-23/32˝ x 2-9/16˝ x 8-9/32˝ (297 x 65 x 210 mm)*[2]
Weight	4.7 lbs. (2.1 kg)
Operating environment	
Temperature	32°–104°F (0°–40°C)
Humidity	20%–80% (no condensation)
Remote control unit	
Power supply	3 V DC (Lithium CR2025 battery x 1)
Operation range*[3]	Approx. 23 feet (7 m) when operated from directly in front of the signal receptor
Dimensions (W x H x D)	1-9/16˝ x 3-3/8˝ x 1/4˝ (40 x 86 x 6.5 mm)
Weight	0.6 oz. (18 g) (including a battery)

Supplied accessories
- Card-type remote control
- Battery for remote control
- Power cord
- VGA cable
- Carrying bag

Optional accessories

ET-LAB10	Replacement lamp unit
ET-PKC80	Ceiling mount bracket
ET-RM300	Full-function wireless remote control
ET-ADSER	Serial adapter (DIN 8-pin/D-sub 9-pin)

*1: In AI mode.
*2: Height including protruding parts and legs: 2-27/32˝ (72 mm).
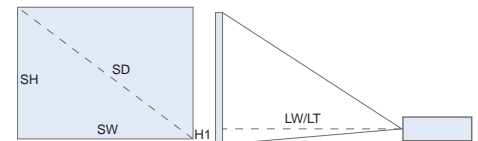*3: Operation range differs depending on the environment.

Dimensions

Unit: mm / inch

Projection Distance

Diagonal image size (4:3 aspect ratio)	Distance to screen min.	Distance to screen max.	Height from the edge of screen to center of lens
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˝

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 center of lens

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Please contact Panasonic or your dealer for a demonstration.

CERTIFIED JQA MANAGEMENT SYSTEM ISO 9001 JQA-1617

JAB EMS Accreditation RE 009 — CERTIFICATION ORGANIZATION FOR ENVIRONMENT AND QUALITY • JAPAN AUDIT AND — ISO 14001 JACO

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