

Usability was Also a High Design Priority, as Seen in Versatile Functions for Easy Setup.

A Variety of Functions Provide Easy Setup

•With Speed Start, the image quickly appears*¹² after you press the power button.

•Single-leg simplifies adjustment of the projector angle.



•With Real-Time Keystone Correction, the projector automatically senses if you adjust its angle (in the vertical direction) during operation and instantly makes whatever keystone correction is necessary for optimal viewing.

•Auto Signal Search automatically detects what kind of source is connected and begins projection.*¹³

•On-Screen Help Display: If images cannot be projected when a PC is connected by a VGA cable, this function displays the output setting method for the PC. The Help screen guides you through the button operations according to the maker of the connected PC.

•Input Guidance Function: This function displays on-screen illustrations to show the selected channel and whether the input signal is being received or not. It lets you confirm the input conditions at a glance, even when multiple devices are connected to the input terminals.

•Whiteboard and Blackboard modes are convenient when projecting in rooms that don't have a screen.



Direct Power Off Function — Unplug the Power Cord Immediately After Use

The Direct Power Off function keeps the cooling fan turned on even when you unplug the power cord right after use. Electric power stored inside the unit is used to operate the cooling fan to lower the internal temperature. This lets you put everything away and carry the projector quickly to your next presentation or lecture.



Convenient Carrying Bag

A carrying bag with a handy shoulder strap comes with the projector. It also protects the projector from impacts.



Effective Theft Prevention with the Startup Logo

You can change the default Panasonic start up logo to any logo you want. A new logo can be easily uploaded by connecting a computer to the PT-LB3 Series through the LAN or serial connection by using the Logo Transfer Software*¹⁴. An abundance of other security measures are also included, such as a security anchor, a user password, a control panel lock, and text superimposing.



Security anchor

Other Features

•Index Window: You can split the screen into two windows, right and left, and display a frozen (still) image in one and a real-time action image in the other.



A frozen image A real-time action image

•Digital Zoom: Expands selected parts of the display up to three times their original size.*¹⁵

•Freeze Function: This function lets you display still images by freezing a motion image.

•AV mute: Temporarily turns off both the image and the sound.

•Background Colour: When there is no signal from the source device, a solid background colour (settable to either blue or black) is displayed on the screen to help prevent connection errors.

•A Compact, Easy-to-Use Wireless Remote Control

•Selectable 17-language on-screen menu



Eco Information

- No halogenated flame retardants are used in the cabinet.
- Non-coated cabinet for easy recycling.
- Daylight View Basic function makes the screen seem brighter without increasing power consumption.
- Lead-free glass is used for the lens.
- Standby power consumption of only 0.4 W*⁸ has been achieved (standby mode: ECO)*⁹.
- An Auto Off Timer switches the projector to Standby mode when no input signal is received for a preset time.



The PT-LB3 Series projectors are carefully designed by Panasonic in Japan to meet demands for high quality and performance.

*¹² Standby mode : Normal

*¹³ Searches for approximately 5 minutes after the power is turned on.

*¹⁴ Uploadable still images are limited to 1024 X 768 pixel bitmap files. Also, the application will reduce the number of colours to 191.

*¹⁵ Up to two times their original size when using video/S-Video signal input.

Specifications

Models	PT-LB3EA		PT-LB2VEA		PT-LB1VEA
Power supply			100-240 V AC, 50/60 Hz		
Power consumption	300 W				290 W
	0.4 W at 220-240 V AC, 0.3 W at 100-120 V AC when standby mode set to eco ^{*1} , 15 W when standby mode set to normal, 18 W when standby mode set to normal and audio monitor out.				
Optical system	Dichroic mirror separation/prism synthesis system				
LCD panel	Panel size	16 mm (0.63") diagonal, 4:3 aspect ratio			
	Display method	Transparent LCD panel (x 3, R/G/B)			
	Drive method	Active matrix			
	Pixels	786,432 pixels (1,024 x 768) x 3 panels			
Lens	Manual zoom (1:1-1:1.2), manual focus, F 1.64-1.87, f 18.80-22.56 mm, throw ratio: 1.4-1.7:1		Manual zoom (1:1-1:1.2), manual focus, F 2.00-2.20, f 19.22-22.68 mm, throw ratio: 1.5-1.7:1		
Lamp	220 W UHM lamp (The lamp replacement cycle is 5,000 hours. ^{*2})				
Screen size (diagonal)	0.84-7.62 m (33-300 inches) (4:3 aspect ratio)				
Colour	Full colour (16,777,216 colours)				
Brightness	3,200 lumens ^{*3}		2,600 lumens ^{*3}		2,200 lumens ^{*3}
Centre-to-corner uniformity	85% ^{*3}				
Contrast	600:1 (full on/full off) ^{*3}				
Resolution	1,024 x 768 ^{*4}				
Scanning frequency	RGB	Horizontal: 15-91 kHz, Vertical: 50-85 Hz			
	YPbPr/YCbCr	480i(525i): fh 15.75 kHz; fv 60 Hz	480p(525p): fh 31.50 kHz; fv 60 Hz	720p(750p): fh 45.00 kHz; fv 60 Hz	1080i(1125i): fh 33.75 kHz; fv 60 Hz
		576i(625i): fh 15.63 kHz; fv 50 Hz	576p(625p): fh 31.25 kHz; fv 50 Hz	720p(750p): fh 37.50 kHz; fv 50 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°				
Installation	Front/rear ceiling/desk (menu selection)				
Built-in speaker	1.0 W (monaural)				
Terminals	COMPUTER 1 IN	D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)			
	COMPUTER 2 IN	D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)			
	VIDEO IN	RCA pin x 1 (Composite video x 1)			
	S-VIDEO IN	Mini DIN 4-pin x 1 (S-Video x 1)			
	AUDIO IN	M3 x 2 (L-R x 2)			
	VARIABLE AUDIO OUT	M3 x 1 (L-R x 1)			
	SERIAL	D-sub 9-pin x 1 (RS-232C)			
	LAN	RJ-45 x 1, compatible with PLink™ (class 1), 100BASE-TX/10BASE-T			
Cabinet material	Moulded plastic (PC+ABS)				
Dimensions (W x H x D)	307 x 69 x 210 mm (12-3/32" x 2-23/32" x 8-9/32") ^{*5}				
Weight	Approx. 2.3 kg (5.07 lbs.) ^{*5}				
Noise level	37 dB(Lamp mode : Normal) , 29 dB(Lamp mode : Eco)				
Operation environment	Temperature: 0°-40°C (32°-104°F) ^{*7} , Humidity: 20%-80% (no condensation)				
Supplied accessories	Power cord, power cord secure lock, wireless remote control unit, batteries (R03 type x2), VGA cable, carrying bag, software CD-ROM				

*1: When the standby mode is set to eco, network functions such as power on over the LAN will not operate.

Also, only certain commands can be received for external control using the serial terminal.

*2: This value is calculated by continuously turning the lamp on for 2 hours and off for 0.25 hour.

The lamp replacement cycle will decrease if the lamp is turned on/off more frequently, or if it is left on for longer intervals.

*3: Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.

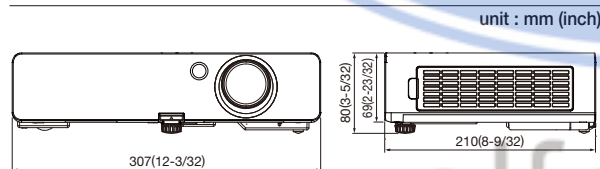
*4: Input signals that exceed this resolution will be converted to 1,024 x 768 pixels.

*5: Protruding parts not included.

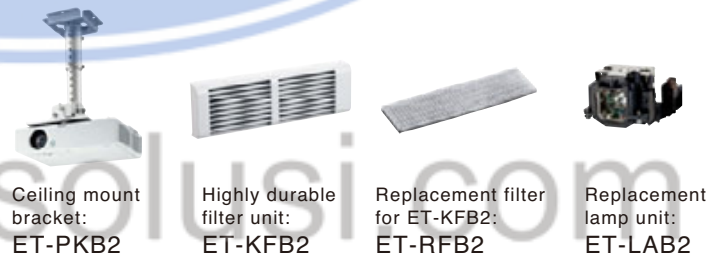
*6: Average value (excluding lens cap). May differ depending on models.

*7: The operating temperature range is 0°C to 35°C (32°F to 95°F) when used in High-Altitude mode (1,400 to 2,700 m (4,593 to 8,858 feet)). Also, in Lamp Normal mode, if the ambient temperature exceeds 35°C /95°F (30°C /85°F in High-Altitude mode), the light output may be reduced approximately 30% to protect the projector.

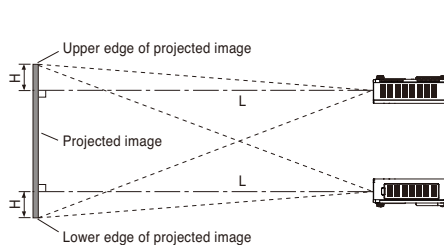
Dimensions



Optional Accessories



Projection Distance (Screen aspect ratio = 4:3)



Project size (diagonal)	[PT-LB3EA] Projection distance (L)		[LB2VEA/LB1VEA] Projection distance (L)		Height from the edge of screen to centre of lens (H)
	Min (wide)	Max (telephoto)	Min (wide)	Max (telephoto)	
0.84 m (33")	-	1.1 m (3.7')	-	1.1 m (3.8')	0.08 m (0.28')
1.02 m (40")	1.1 m (3.7')	1.4 m (4.5')	1.2 m (3.9')	1.4 m (4.6')	0.10 m (0.33')
1.27 m (50")	1.4 m (4.7')	1.7 m (5.6')	1.5 m (4.8')	1.8 m (5.8')	0.13 m (0.42')
1.52 m (60")	1.7 m (5.6')	2.1 m (6.8')	1.8 m (5.8')	2.1 m (6.9')	0.15 m (0.50')
1.78 m (70")	2.0 m (6.6')	2.4 m (7.9')	2.1 m (6.8')	2.5 m (8.1')	0.18 m (0.58')
2.03 m (80")	2.3 m (7.6')	2.8 m (9.1')	2.4 m (7.8')	2.8 m (9.3')	0.20 m (0.67')
2.29 m (90")	2.6 m (8.5')	3.1 m (10.2')	2.7 m (8.8')	3.2 m (10.5')	0.23 m (0.75')
2.54 m (100")	2.9 m (9.5')	3.5 m (11.4')	3.0 m (9.8')	3.5 m (11.6')	0.25 m (0.83')
3.05 m (120")	3.5 m (11.4')	4.2 m (13.7')	3.6 m (11.8')	4.3 m (14.0')	0.30 m (1.00')
3.81 m (150")	4.4 m (14.4')	5.2 m (17.1')	4.5 m (14.8')	5.3 m (17.5')	0.38 m (1.25')
5.08 m (200")	5.8 m (19.0')	7.0 m (22.9')	6.0 m (19.7')	7.1 m (23.4')	0.51 m (1.67')
6.35 m (250")	7.3 m (23.8')	8.7 m (28.7')	7.5 m (24.7')	8.9 m (29.3')	0.64 m (2.08')
7.62 m (300")	8.7 m (28.6')	10.5 m (34.4')	9.0 m (29.6')	10.7 m (35.1')	0.76 m (2.50')

Panasonic®

For more information about Panasonic projectors

▶▶▶ <http://panasonic.net/avc/projector>



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