

PT-LB10NT

Micro-Portable Wireless XGA LCD Projector

PT-LB10/LB10V

Micro-Portable XGA LCD Projectors

PT-LB10S/SV

Micro-Portable SVGA LCD Projector



LB10NT/LB10/LB10S

2000 lm

LB10V/SV

1600 lm

LB10NT

Wireless

Quick, Compact, Wireless

- High performance, compact body
 - Bright 2000/1600 lumens
 - 65 mm (2-9/16") high*¹
 - A4 size: 297 x 210 mm (11-23/32" x 8-9/32")
 - Light weight: 2.1 kg (4.7 lbs)*²
 - Short-throw: 100-inch images at 3-meter (9.8-foot) distance
- Quick operation
 - 5-second speed start
 - One-touch auto setup with digital keystone correction
 - Direct power off
- Sophisticated functions
 - Projector AI
 - Index window
 - Secure, anti-theft features
 - Auto power off
- Easy wireless projection (LB10NT)
 - Simple settings
 - Handy "Live" mode
 - Collaborative presentations
 - 4-window multi projection

*¹ Height including legs: 72 mm (2-27/32")

*² PT-LB10NT: 2.2 kg (4.9 lbs)

Designed for both top performance and easy mobility, the Panasonic PT-LB10 series projectors pack an array of powerful functions into a compact, lightweight body.

The PT-LB10NT, PT-LB10 and PT-LB10S boast an outstanding 2000 lumens and the PT-LB10V and PT-LB10SV offers a powerful 1600 lumens of brightness.

Operation is quick and convenient. With Speed

Start, the image appears in approx. 5 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 because the cooling fan keeps operating until the lamp is cooled.

These features combine with others such as one-touch auto setup and automatic keystone correction that

Specifications are subject to change without notice.

NEW PRODUCT INFORMATION

save you time and trouble before, during, and after a presentation. You'll find the PT-LB10 series projector a pleasure to use from the moment you arrive till the moment you leave.

The PT-LB10NT also features an IEEE 802.11b-compliant wireless LAN function. Use the PT-LB10NT with a PC that supports a wireless LAN^{*1}, and you can conduct presentations with wireless ease and freedom. The PT-LB10NT also comes bundled with "Wireless Manager ME (Mobile Edition)," which now offers simplified installation for easier use with Intel® Centrino™ PCs. Simply

insert the CD-ROM into a PC, and most settings are made automatically.^{*2}

The PT-LB10 series are also equipped with a host of anti-theft features. A password system, control panel lock, text superimposing, and Kensington lock add up to outstanding security.

Other conveniences include auto power off, card-type wireless remote control, and RGB input indication.

^{*1} You can also use the PT-LB10NT's wireless function with IEEE 802.11g-compliant PC models as long as they have IEEE 802.11b compatibility.

^{*2} The number of manual settings required may vary depending on the PC model.

Specifications

Power supply	100-240 V AC, 50/60 Hz
Power consumption	220 W (3 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	PT-LB10NT/LB10/LB10V 786,432 (1,024 x 768) x 3, total of 2,359,296 pixels
PT-LB10S	480,000 (800 x 600) x 3, total of 1,440,000 pixels
Pixel configuration	Stripe
Lens	
PT-LB10NT/LB10/LB10S	Manual zoom/focus lens (1:1-1:1.2), F 1.7-1.9, f 21.5-25.8 mm
PT-LB10V/SV	F 2.0-2.3, f 22.0-26.2 mm
Lamp	155 W UHM™ lamp
Screen size	838-7,620 mm (33-300 inches) diagonally, 4:3 aspect ratio
Colors	Full color (16,777,216 colors)
Brightness	PT-LB10NT/LB10/LB10S 2000 lumens
PT-LB10V/SV	1600 lumens
Uniformity	90%
Contrast	PT-LB10NT/LB10 500:1 ^{*1} (full on/full off)
PT-LB10V/LB10S/SV	400:1 ^{*1} (full on/full off)
Scanning frequency	Horizontal: 15-91 kHz, Vertical: 50-85 Hz
RGB	480i (525i): fh 15.75 kHz; fv 60 Hz
YPbPr	576i (625i): fh 15.63 kHz; fv 50 Hz
	480p (525p): fh 31.5 kHz; fv 60 Hz
	720p (750p): fh 45 kHz; fv 60 Hz
	1080i (1125i): fh 33.75 kHz; fv 60 Hz
	1080i (1125i): fh 28.125 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	6:1 (fixed)
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)
YPbPr signal	Y: 1.0 Vp-p (including sync signal), 75 Ω Pb, Pr: 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)
YPbPr signal	Y: 1.0 Vp-p (including sync signal), 75 Ω Pb, Pr: 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)
Wireless card slot (PT-LB10NT)	x1, For supplied CompactFlash™ type wireless card
Power cord length	2 m (6'7")
Cabinet material	ABS/PC
Dimensions (W x H x D)	297 x 65 x 210 mm (11-23/32" x 2-9/16" x 8-9/32") ^{*2}
Weight	PT-LB10NT 2.2 kg (4.9 lbs.)
PT-LB10/LB10V/LB10S	2.1 kg (4.7 lbs.)
Operating environment	
Temperature	0°-40°C (32°-104°F)
Humidity	20%-80% (no condensation)
Remote Control Unit	3 V DC (button battery x 1)
Power supply	Approx. 7 m (23 feet) when operated from directly in front of the signal receptor
Operation range^{*3}	
Dimensions (W x H x D)	40 x 86 x 6.5 mm (1-9/16" x 3-3/8" x 1/4")
Weight	17.5 g (0.62 oz.) (including a battery)
Wireless card (PT-LB10NT)	
Standard	IEEE802.11b
Modulation	Direct sequence spread spectrum (DS-SS) system
Transmission system	CCK (11 Mbps/5.5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
Transmission speed	11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps
Operating range^{*3}	Outdoors: 50 m (11 Mbps), 80 m (5.5 Mbps), 120 m (2 Mbps/1 Mbps)
	Indoors: 30 m (11 Mbps), 50 m (5.5 Mbps), 80 m (2 Mbps/1 Mbps)
Frequency range	2,412 MHz-2,484 MHz
Channel	PT-LB10E: 1-13 ch PT-LB10U: 1-11 ch

^{*1} In All mode.

^{*2} Height including protruding parts and legs: 72 mm (2-27/32").

^{*3} Operation range differs depending on the environment.

To use wireless functions, a PC is required that meets the conditions given below:
OS: Windows XP/2000/Me/98SE (Windows XP or 2000 recommended)
CPU: Pentium II or faster, or other compatible processor (Celeron 400 MHz or higher recommended; however 600 MHz or higher recommended when using the "live" mode).
Memory: 64 MB or more (128 MB or more for Windows XP/2000)

Supplied Accessories

- Card-type remote control
- Battery for remote control
- Power cord
- VGA cable
- Carrying bag
- Software CD-ROM (LB10NT)

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)
TW-CDWL3	IEEE802.11b-compliant wireless LAN card for PC (LB10NT)

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