

Panasonic

ideas for life

PT-LB50NTU
Micro Portable Wireless XGA LCD Projector

PT-LB50U
Micro Portable XGA LCD Projector

PT-LB50SU
Micro Portable SVGA LCD Projector



The World's Fastest Wireless Transmission Projectors

Easy wireless projection (PT-LB50NTU)

- World's fastest data transfer*¹
- Wireless PC motion/sound streaming*²
- Abundant wireless functions, including secondary display transmission and 16-window index style
- Simple, user-friendly settings



There are no cables to connect, so projector setup is quick and easy, and you have full layout flexibility. Wireless Manager ME 3.0 software (provided) increases transmission speed by five times compared to our previous model*⁶. You get fast, smooth, stress-free transmission even with large video files*². You can copy Wireless Manager to a memory card and take it with you on a trip. This lets you enjoy wireless transmission even at presentation sites where the computer doesn't have the software*⁷.

Daylight View 2 technology

- Looks max. 50% brighter*³
- Vivid colors in a bright room
- Auto operation with ambient light sensor (ALS)



Wireless Prompter (Secondary Display) Function

This allows transmission of content other than what's displayed on your PC. For example, you can display text documents on your PC screen while projecting slide from your Microsoft® PowerPoint® presentation*⁸. You get a host of other convenient wireless transmission functions too, such as area-specified transmission and a multi-live mode for simultaneous display of up to 16 PCs.

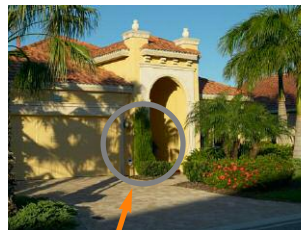


High power and portability

- Bright 2,000 lumens
- Ultra-lightweight: 4.0 lbs/4.2 lbs (1.8 kg/1.9 kg)*⁴
- Slim and compact design: 2-1/4" (57-mm) thickness*⁵

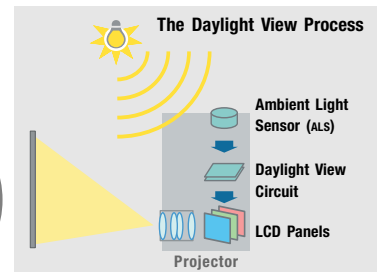
Quick operation

- 2-second speed start
- Auto search
- Real-time keystone correction
- Operation assistance
- Direct power off



Daylight View 2

A built-in sensor measures the ambient light, and the halftone colors and brightness level are adjusted accordingly in real time. Viewing brightness is increased up to 150%*³.



*¹ As of February 7, 2006, according to our own evaluation of wireless transmission from PC to projector. Wireless projection function is featured on the PT-LB50NTU only.
*² Content and DVDs set with DRM (Digital Rights Management) cannot be transmitted.
*³ Comparison with Daylight View 2 turned On and Off, using an 80-inch screen and ordinary meeting room lighting of 400 lux. (Projector: PT-LB50NTU, screen gain: 2.6)
*⁴ 4.0 lbs/1.8 kg for the PT-LB50U and PT-LB50SU; 4.2 lbs/1.9 kg for the PT-LB50NTU.
*⁵ Legs and protrusions not included.
*⁶ PT-LB20NTU
*⁷ Transmission will be slower than transmission with a computer that has the software installed. Also, certain functions may not be available.
*⁸ With Wireless Manager ME 3.0, you can use the projector screen as a secondary monitor for the PC. In this setup, Microsoft® PowerPoint® must be set to "Show Presenter View."

Rear View



Specifications

Power supply	100–240 V AC, 50/60 Hz	On-screen menu	17 languages: English, French, German, Spanish, Italian, Korean, Russian, Chinese, Japanese, Swedish, Norwegian, Danish, Portuguese, Polish, Hungarian, Czech, and Thai	Remote Control Unit	
Power consumption	240 W (Approx. 2 W in standby mode with fan stopped)	Installation	Front/rear ceiling/desk (menu selection)	Power supply	3 V DC (button battery x 1)
LCD panel	4:3 aspect ratio, micro lens array	Built-in speakers	1-9/16" x 25/32" (4 x 2 cm) x 1 (oval), 1.0 W (monaural) output power	Operation range**	Approx. 23 feet (7 m) when operated from directly in front of the signal receptor
Panel size	0.6" (15.24 mm) diagonal	Terminals		Dimensions (W x H x D)	2-1/16" x 4-27/32" x 13/16" (52 x 123 x 21 mm)
Display method	Transparent LCD panel (x 3, R/G/B)	PC 1 IN	D-sub HD 15-pin x 1	Weight	2.6 ozs. (74 g) (including batteries)
Drive method	Active matrix	RGB signal	R, G, B: 0.7 Vp-p, 75 ohms, Sync on green: 1.0 Vp-p, 75 ohms HD/SYNC, VD: TTL (positive/negative polarity compatible)	Wireless LAN (PT-LB50NTU)	
Pixels		YPbPr signal	Y: 1.0 Vp-p (including sync signal), 75 ohms; Pb, Pr: 0.7 Vp-p, 75 ohms	Standard	IEEE802.11b/g
PT-LB50NTU/LB50U	786,432 (1,024 x 768) x 3, total of 2,359,296 pixels	PC 2 IN/PC 1 OUT	D-sub HD 15-pin x 1 (input/output selectable using on-screen menu)	Modulation	
PT-LB50SU	480,000 (800 x 600) x 3, total of 1,440,000 pixels	RGB signal	R, G, B: 0.7 Vp-p, 75 ohms, Sync on green: 1.0 Vp-p, 75 ohms HD/SYNC, VD: TTL (positive/negative polarity compatible)	IEEE802.11b	Direct sequence spread spectrum (DS-SS) system
Pixel configuration	Stripe	YPbPr signal	Y: 1.0 Vp-p (including sync signal), 75 ohms; Pb, Pr: 0.7 Vp-p, 75 ohms	IEEE802.11g	Orthogonal frequency division multiplex (OFDM) system
Lens	Manual zoom (1:1–1:1.2), manual focus, F 1.6–1.9, f 18.8–22.6 mm	VIDEO IN	RCA pin x 1, 1.0 Vp-p, 75 ohms	Transmission system	
Lamp	165 W UHM™ lamp	S-VIDEO IN	Mini DIN 4-pin x 1	IEEE802.11b	CCK (11/5.5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
Colors	Full color (16,777,216 colors)	AUDIO IN	Y: 1.0 Vp-p, C: 0.286 Vp-p, 75 ohms (for VIDEO/S-VIDEO)	IEEE802.11g	64-QAM (54/48 Mbps), 16-QAM (36/24 Mbps), QPSK (18/12 Mbps), BPSK (9/6 Mbps)
Brightness	2,000 lumens	PC AUDIO IN	M3 (L, R) x 1, 0.5 Vrms	Transmission speed	
Uniformity	85%	AUDIO OUT	M3 (L, R) x 1, 0–2.0 Vrms (variable)	IEEE 802.11b	11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps
Contrast	400:1*1 (full on/full off)	SERIAL	Mini DIN 8-pin x 1 (RS-232C)	IEEE 802.11g	54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps
Scanning frequency		Power cord length	6"7" (2 m)	Operation range**	Approx. 98'5" (30 m)
RGB	Horizontal: 15–91 kHz, Vertical: 50–85 Hz	Cabinet material	Moulded material (ABS/PC)	Frequency range	2,412 MHz–2,462 MHz
YPbPr	480i (525i): fh 15.75 kHz; fv 60 Hz 576i (625i): fh 15.63 kHz; fv 50 Hz 480p (525p): fh 31.5 kHz; fv 60 Hz 576p (625p): fh 31.25 kHz; fv 50 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	Dimensions (W x H x D)	11-11/16" x 2-1/4" x 8-1/4" (297 x 57 x 210 mm)	Channels	1–11 ch
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	Weight		Supplied Accessories	
Projection size	33–300 inches/838–7,620 mm diagonally	PT-LB50NTU	4.2 lbs. (1.9 kg)	<ul style="list-style-type: none"> Power cord Wireless remote control Batteries for remote control VGA cable Carrying bag Wireless Manager ME 3.0 (CD-ROM)*3 	
Throw distance		PT-LB50U/LB50SU	4.0 lbs. (1.8 kg)	Optional Accessories	
PT-LB50NTU/LB50U	3'7"–36'5" (1.1 m–11.1 m)	Operating environment		ET-LAB50 Replacement lamp unit	
PT-LB50SU	3'7"–35'9" (1.1 m–10.9 m)	Temperature	32°–104°F (0°–40°C)	ET-PKB50 Ceiling mount bracket	
Optical axis shift	6:1 (fixed)	Humidity	20%–80% (no condensation)	ET-RM300 Full-function wireless remote control	
Keystone correction range	Vertical: ±30°			ET-ADSER Serial adapter (DIN 8-pin/D-sub 9-pin)	

*1: In AI mode.

*2: Operation range differs depending on the environment.

*3: For the PT-LB50NTU only.

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 lamp, LCD panel, polarizing plate, and polarizing beam splitter (PBS) are consumable parts. These parts may need to be replaced during the guarantee period if the projector is used for six or more hours per day.
- The replacement cycle of the LCD panel, polarizing plate, and polarizing beam splitter (PBS) will be shortened if the projector is subjected to continuous use for six or more hours. Likewise, the replacement cycle of the lamp will be shortened if the power is frequently turned on and off or the projector is subjected to continuous use for 10 or more hours.
- Interruptions may occur in the wireless connection due to signal interference or PC conditions.

To use wireless functions, a PC is required that meets the conditions given below:

OS:	Microsoft® Windows® 2000 Professional, Windows® XP Professional, Windows® XP Home Edition
CPU:	Pentium® III or higher, or other compatible processor (1 GHz or higher is recommended).
Memory:	256 MB or more
Free hard disk space:	60 MB or more
CD-ROM drive:	CD-ROM drive or DVD drive
Wireless LAN:	IEEE 802.11b/g compatible (built-in wireless LAN system or external IEEE 802.11b/g LAN card must be installed and running normally.) However, some IEEE 802.11g/b wireless LAN may not allow connection to the projector.
Web browser:	Internet Explorer 6.0 or later, Netscape Communicator 7.0 or later
Direct X:	DirectX® 8.1b or later must be installed.

Operation is not guaranteed for all computers that meet the above conditions

Panasonic

Weights and dimensions shown are approximate. Specifications are subject to change without notice. Product availability differs depending on region and country. This product may be subject to export control regulations. UHM is a trademark of Matsushita Electric Industrial Co., Ltd. VGA and XGA are trademarks of International Business Machines Corporation. Windows and PowerPoint are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. All other trademarks are the property of their respective trademark owners. Projection images simulated.

