NEW PRODUCT INFORMATION

PT-LB30NT

Micro-Portable Wireless XGA LCD Projector

PT-LB30

Micro-Portable XGA LCD Projector

LB30NT/LB30
3000 lm
LB30NT
Wireless

The World's Lightest 3,000-Lumen Projectors

- **High power and portability**
  - **The world's lightest 3,000-lumen projectors*1**
  - **Ultra-lightweight: 2.5 kg (5.5 lbs)*2**
- **Daylight View technology**
  - **A 150% improvement in image performance*3**
  - **Vivid colors in a bright room**
  - **Auto operation with ambient light sensor**
- **Easy wireless projection (PT-LB30NT)**
  - **Wireless PC motion/sound streaming*4**
  - **High-speed data transfer**
  - **Flexible 16-window index style**
  - **Simple, user-friendly settings**
- **Quick operation**
  - **2-second speed start**
  - **One-touch auto setup with digital keystone correction**
  - **Direct power off**

*1 As of March 2005
*2 PT-LB30NT: 2.6 kg (5.7 lbs.)
*3 Measurements taken at the five main patches of the GretagMacbeth color chart, under typical meeting room light conditions of 400 lux with a screen size of 80 inches.
*4 Supports ASF, WMV, AVI, MPEG4 and MPEG1/2 movie formats.

The PT-LB30NT at only 2.6 kg (5.7 lbs.) and the PT-LB30 at 2.5 kg (5.5 lbs.) each pack a wealth of advanced Panasonic technology into a small, lightweight body. In fact, they are the world's lightest projectors(*1) to offer 3,000 lumens of brightness.*1

Daylight View technology achieves a 150% improvement in image performance and significantly boosts color perception in bright rooms.*2 *3 Pale colors are divided into six basic color components (red, green, blue, yellow, cyan and magenta) for more precise control. Daylight View achieves a superb level of image performance that produces less of a difference between PC display images and projected images. The top panel of the unit is equipped with an ambient light sensor (ALS).

The PT-LB30NT features an IEEE 802.11b/g-compliant wireless LAN function. This high-speed data transfer capability combines with an original environment-adaptive dispersion algorithm to enable the use of moving pictures and sound in presentations.*4 *5

In Multi Live mode, a single projector unit can receive data from multiple PCs and display their images simultaneously on its

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multi-window screen. The projection style can be selected from Four Window, 4-Window Index and 16-Window Extended Index. It is also possible to send images from a single PC to multiple PT-LB30NT units.*6 The included Wireless Manger Mobile Edition (ME) 2 software simplifies set-up and operation.

Operation is quick and convenient. With Speed Start, the image appears within two seconds after you press the power button. 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 combine with features such as one-touch auto setup and automatic keystone correction to save you time and trouble before, during, and after your presentation.

The PT-LB30 series is 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, two RGB inputs, RGB2-in/RGB1-out switching, three audio inputs (2 RGB and 1 video/S-Video) and an audio monitor out.

***1 As of March 2005.**
***2 Measurements taken at the five main patches of the GretagMacbeth color chart, under typical meeting room light conditions of 400 lux with a screen size of 80 inches.**
***3 The Daylight View effect may vary depending on screen size, screen gain, and surrounding brightness.**
***4 Supports ASF, WMV, AVI, MPEG4 and MPEG1/2 movie formats.**
***5 Copyright protection measures prevent wireless projection of DVD sources.**
***6 Up to eight projector units.**

Specifications

Power supply		100–240 V AC, 50/60 Hz
Power consumption		300 W (Approx. 3 W in standby mode with fan stopped)
Amps		3.5 A—1.8 A
LCD panel		4:3 aspect ratio, micro lens array
Panel size		0.8″ (20.32 mm) diagonal
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 (1:1–1:1.2), manual focus F 1.7–1.8, f 24.0–28.8 mm
Lamp		220 W UHM™ lamp
Colors		Full color (16,777,216 colors)
Brightness		3,000 lumens
Uniformity		90%
Contrast		400:1*1 (full on/full off)
Scanning frequency		
	RGB	Horizontal: 15–91 kHz, Vertical: 50–85 Hz
	YPBPR	480i (525i), 576i (625i), 480p (525p), 576p (625p), 720p (750p), 1080i (1125i), 1080i (1125i)
	S-Video/Video	NTSC, NTSC4.43, PAL-M, PAL60, PAL, SECAM, PAL-N
Projection size		838.2–7,620 mm (33–300 inches) diagonally
Throw distance		1.1 m–10.8 m (3′7″–35′5″)
Optical axis shift		6:1 (fixed)
Keystone correction range		Vertical: approx. ±30°
On-screen menu		17 languages: English, French, German, Spanish, Italian, Korean, Russian, Chinese, Japanese, Swedish, Norwegian, Danish, Portuguese, Polish, Hungarian, Czech, Thai
Installation		Front/rear, ceiling/desk (menu selection)
Built-in speakers		4 x 3 cm x 1 (oval), 1.0 W (monaural) output power
Terminals	**RGB 1 IN**	D-sub HD 15-pin x 1 (accepts RGB/YPBPR signal)
	RGB 2 IN/RGB 1 OUT	D-sub HD 15-pin x 1 (accepts RGB/YPBPR signal) Input/output is 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
	RGB AUDIO IN	M3 (L, R) x 2
	AUDIO OUT	M3 (L, R) x 1
	SERIAL	DIN 8-pin x 1 (RS-232C)
Cabinet material		Moulded plastic (ABS/PC)
Dimensions (W x H x D)		327 x 75.8 x 233 mm (12-27/32″ x 2-31/32″ x 9-5/32″)*2
Weight	**PT-LB30NT**	2.6 kg (5.7 lbs.)
	PT-LB30	2.5 kg (5.5 lbs.)
Operating environment		
Temperature		0°–40°C (32°–104°F)
Humidity		20%–80% (no condensation)
Remote Control Unit		
Power supply		3 V DC (button battery x 1)
Operation range*3		Approx. 7 m (23 feet) when operated from directly in front of the signal receptor
Dimensions (W x H x D)		40 x 86 x 6.5 mm (1-9/16″ x 3-3/8″ x 1/4″)
Weight		18 g (0.6 oz.) (including a battery)
Wireless LAN (PT-LB30NT)		
Standard		IEEE 802.11b/g
Modulation	**IEEE802.11b**	Direct sequence spread spectrum (DS-SS) system
	IEEE802.11g	Orthogonal frequency division multiplex (OFDM) system
Transmission system		
	IEEE802.11b	CCK (11/5.5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
	IEEE802.11g	64-QAM (54/48 Mbps), 16-QAM (36/24 Mbps), QPSK (18/12 Mbps), DPSK (9/6 Mbps)
Transmission speed		
	IEEE802.11b	11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps
	IEEE802.11g	54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps
Operating range*2		Approx. 30 m
Frequency range		
	PT-LB30NTE/LB30NTEA	2,412 MHz–2,472 MHz
	PT-LB30NTU	2,412 MHz–2,462 MHz
Channels		
	PT-LB30NTE/LB30NTEA	1–13 ch
	PT-LB30NTU	1–11 ch

*1: In AI mode.
*2: Operation range differs depending on the environment.

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

OS:	**Windows XP Home Edition, Windows XP Professional, Windows 2000 Professional, Windows Me (Millennium Edition) or Windows 98SE (Second Edition)**
CPU:	**Pentium III or higher, or other compatible processor (800 MHz or higher recommended when using the live mode; 1 GHz or higher is recommended when playing movie).**
Memory:	**128 MB or more (256 MB or more for Windows XP or Windows 2000)**
Free hard disk space:	**60 MB or more**
Hardware conditions:	**CD-ROM drive (for software installation and viewing the user's manual). An 802.11b/g built-in wireless LAN system or external 802.11b/g LAN card must be installed and running normally. However, some 802.11g/b wireless LAN may not allow connectionto 802.11g projectors. The data transfer speed will be lower with an 802.11b LAN than that with an 802.11g LAN.**
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.

Supplied Accessories

- Card remote control
- Lithium battery for remote control
- Power cord
- RGB signal cable
- Carrying bag
- Software CD-ROM (for PT-LB30NT)

Optional Accessories

ET-LAB30	Replacement lamp unit
ET-PKB30	Ceiling mount bracket
ET-RM300	Full-function wireless remote control
ET-ADSER	Serial adapter (DIN 8-pin/D-sub 9-pin)

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