

Panasonic

PT-L6600E/EL

3600 ANSI Lumens SXGA LCD Projector

PT-L6510E/EL

4200 ANSI Lumens XGA LCD Projector

BriteOptic™
Dual Lamp System

Raising the Ceiling on Performance

- 1 BriteOptic™ Dual Lamp System with four brightness settings to choose from
- 2 Digital Cinema Reality for excellent moving images
- 3 Easy setup and maintenance: Auto setup with digital keystone correction



The difference is your image™



Centre-mounted lens

Centred on Quality

Panasonic's PT-L6600E/EL and PT-L6510E/EL LCD projectors incorporate our highly acclaimed BriteOptic™ Dual Lamp system, which delivers high-definition images with superb brightness.

Aided by extensive user input, we began by making key improvements to the system engine, then devised a symmetrical design that places the lens directly in the

unit's centre, for easier image positioning. We also incorporated the latest DSP technology to assure precise, consistent performance.

The result: a series of projectors that deliver ultra-bright, beautiful images while greatly improving setup and maintenance ease.

See how brilliant your presentations look when delivered through Panasonic



BriteOptic™
Dual Lamp System

Wide Variety: Choose the BriteOptic™ Projector that Best Meets Your Needs

PT-L6600E



SXGA Projector

- Ultrabright 3600 ANSI lumens with 4-mode lamp operation
- BriteOptic™ dual lamp system and UHM™ lamps
- True SXGA (1280 x 1024), maximum UXGA (1600 x 1200) resolution
- Digital Cinema Reality for excellent moving images
- Multiple terminals, including digital visual interface (DVI)
- Easy setup and maintenance: Auto setup with digital keystone correction
- Stackable for double brightness (up to 7200 ANSI lumens)

PT-L6510E



XGA Projector

- Ultrabright 4200 ANSI lumens with 4-mode lamp operation
- BriteOptic™ dual lamp system and UHM™ lamps
- True XGA (1024 x 768), maximum UXGA (1600 x 1200) resolution
- Digital Cinema Reality for excellent moving images
- Multiple terminals, including digital visual interface (DVI)
- Easy setup and maintenance: Auto setup with digital keystone correction
- Stackable for double brightness (up to 8400 ANSI lumens)

PT-L6600EL/L6510EL



The PT-L6600EL and PT-L6510EL deliver the same superior performance as the PT-L6600E and PT-L6510E, respectively, but come with no lens. Combine them with an optional lens to create a system that's tailored to your specific presentation needs and usage conditions.

A Host of Panasonic's Leading Technologies

Ultra-high Brightness and Contrast

Employing two lamp units, the revolutionary BriteOptic™ Dual Lamp system provides high brightness, high contrast, and faithful colour reproduction. Featuring the Micro Lens Array (MLA), the PT-L6600E/EL offers 3,600 ANSI lumens of brightness and the PT-L6510E/EL delivers high output of 4,200 ANSI lumens.

Increased Reliability

These projectors have a long lamp life of 3,000 hours (at dual lamp operation in standard mode). With the BriteOptic™ Dual Lamp System, even if one lamp burns out, the remaining lamp provides sufficient brightness. Or, if only one lamp is used, service life is effectively doubled before lamp replacement is necessary.

4-Mode Lamp Operation

Two levels of power are provided for each lamp, giving you a total of four lamp power settings to choose from. You can choose the setting that provides maximize brightness or one that ensures longer lamp life (max. 6,000 hours*), depending on presentation needs and usage conditions.

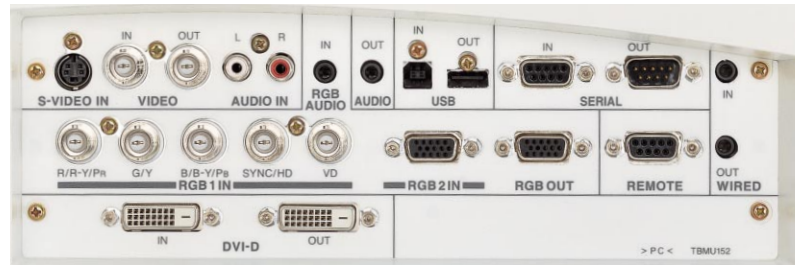
* Single lamp operation in standard mode

High Resolution

The PT-L6600E/EL offers true SXGA resolution and the PT-L6510E/EL provide true XGA resolution, allowing display of detailed computer graphics and text. When displaying images of other types, the signals are expanded or compressed through a sophisticated digital processing system.

Digital Cinema Reality™

The PT-L6600E/EL and PT-L6510E/EL



Terminals

incorporate the Digital Cinema Reality circuit. This advanced technology, which provides progressive procession optimized for a 24-frames/sec moving picture source, helps achieve high-quality reproduction that is extremely faithful to the original cinema source.

Multiple Terminals Including DVI

The PT-L6600E/EL and PT-L6510E/EL are equipped with a full range of connection terminals, including two RGB inputs and one each RGB monitor output, S-Video input, video input, USB input/output, and serial input/output. They also provide DVI-D IN and DVI-D OUT digital visual interfaces.

Installation Options

Two ceiling mount brackets are available, one for high ceilings and one for lower ceilings. A stacking mount bracket and a simpler version are also available, for quick, easy, temporary stacking of two units.

Easy Setup and Maintenance

The PT-L6600E/EL and PT-L6510E/EL feature a symmetrical design in which the lens is centered, making it easier to position the projector and screen. Maintenance is easier too, thanks to a design that lets you replace

a lamp without removing the projector from the bracket in either the ceiling-mounted or dual stacking configuration.



Lamps can be easily replaced.

One-Touch Auto Setup

This function automatically identifies the signal mode of the input source and adjusts the image accordingly. You get optimal viewing quality, with no additional software, equipment or manual adjustment necessary.

A Wide Range of Uses

The PT-L6600E/EL and PT-L6510E/EL provide the quality and performance needed in almost any application. Use them in meeting rooms, theaters, museums, convention halls, public spaces, schools, research labs — any place where bright, beautiful images are a

Options for More Flexible Installation

ET-LE050

Fixed-focus short-throw lens

- Screen size: 40" to 60"
- Throw ratio: 0.7:1
- Throw distance: Approx. 0.55 m to 0.86 m



ET-LE200

Medium-throw lens

- Screen size: 30" to 300"
- Throw ratio: 2.7-4.4:1
- Throw distance: Approx. 2.1 m to 26.7 m



ET-LE101

Short-throw lens

- Screen size: 30" to 300"
- Throw ratio: 1.3-1.8:1
- Throw distance: Approx. 1.1 m to 11.0 m



ET-LE300

Long-throw

- Screen size: 30" to 300"
- Throw ratio: 4.5-6.0:1
- Throw distance: Approx. 3.6 m to 35.4 m



ET-LE150

Short-throw lens

- Screen size: 30" to 300"
- Throw ratio: 1.8-2.4:1
- Throw distance: Approx. 1.4 m to 14.6 m



ET-PKL6500

Ceiling mount bracket for high ceilings



ET-PKL6500S

Ceiling mount bracket for low ceilings



ET-DFL6500

Dual stacking mount bracket for desk/ ceiling mount

ET-DFL6500P

Dual stacking mount bracket for desks

ET-LAL6500

Replacement lamp unit

ET-LAL6500W

Replacement lamp units (twin pack of ET-LAL6500 lamp units)

ET-SCDV03

DVI cable (3 m)

ET-RMRC1

Wireless remote receiver

plus. Also, the superb resolution made possible by DVI input delivers images with exceptional detail and accuracy. This makes these projectors suitable for use as main systems for monitoring traffic or electric power facilities, or in operation centres for police or fire and air traffic control centres.

Lens Shift

Shift the projected image vertically even after the projector is set in position. The PT-L6600E and PT-L6510E have a wide adjustment range, and the image remains distortion free. This offers you the peace of mind that comes with the reliability of virtual-zero downtime.

Other Valuable Features

- Advanced shutter function: Minimizes distracting light leakage, as well as noise and power consumption, when the image is muted.
- Digital zoom: Portions of the image can be enlarged to 3x in steps of 0.1x.
- Freeze Frame: Moving pictures can be frozen at any time and projected as still pictures.
- Exhaust duct with noise cancel system achieves quiet 36-dB operation (with lamp power at Normal).
- Centre-to-corner uniformity ratio (CCR) of over 90%
- Wireless remote with mouse control
- Lightweight and durable magnesium-alloy cabinet
- Power zoom/focus lens capable of projecting a 30° to 300° diagonal image
- Ceiling/desk, front/rear projection capable
- RS-232C computer interface and contact closure remote terminal
- S-Video compatibility
- Motorized retractable lens for lens protection
- Selectable 7-language on-screen menu (English, German, French, Spanish, Italian, Chinese, Japanese)
- Indicators for lamp errors, thermal warnings, and suggested replacement
- Universal AC power supply (auto-voltage: 100–120 V/220–240 V)
- Built-in stereo amplifier and speakers (3W + 3W) for true multimedia applications



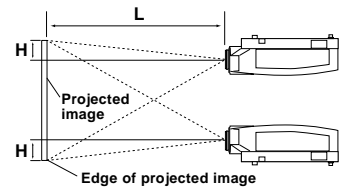
Wireless remote control

Front view



Projection setting example

- L : Projection distance when mounted with the ET-PKL6500. (Projection size is adjustable.)
- H : Height from upper/lower edge of projected image to center of lens. (Position of projected image can be easily adjusted by using lens shift function.)



PT-L6600E/L6510E

Projection size* (W x H)	L	H
40 inches (813 x 610 mm)	1.4 – 1.9 m (4'8" – 6'4")	0.030 – 0.30 m (1-3/16" – 11-13/16")
60 inches (1,219 x 914 mm)	2.1 – 2.9 m (6'11" – 9'8")	0.045 – 0.45 m (1-3/4" – 1'16")
100 inches (2,032 x 1,524 mm)	3.6 – 4.8 m (11'1" – 15'9")	0.076 – 0.76 m (2" – 2'6")
160 inches (3,251 x 2,438 mm)	5.8 – 7.8 m (19' – 25'7")	0.121 – 1.21 m (4-3/4" – 4')
220 inches (4,470 x 3,353 mm)	8.1 – 10.7 m (26'7" – 35'1")	0.167 – 1.67 m (6-9/16" – 5'6")
300 inches (6,096 x 4,572 mm)	11.0 – 14.6 m (36'1" – 47'11")	0.228 – 2.28 m (9" – 7'6")

PT-L6600EL/L6510EL with the ET-LE050 fixed short-throw lens

Projection size* (W x H)	L	H
40 inches (813 x 610 mm)	0.55 m (1'10")	0.305 m (1')
50 inches (1,016 x 762 mm)	0.70 m (2'4")	0.381 m (1'3")
60 inches (1,219 x 914 mm)	0.86 m (2'10")	0.457 m (1'6")

PT-L6600EL/L6510EL with the ET-LE101 short-throw lens

Projection size* (W x H)	L	H
40 inches (813 x 610 mm)	1.1 – 1.4 m (3'7" – 4'8")	0.030 – 0.30 m (1-3/16" – 11-13/16")
60 inches (1,219 x 914 mm)	1.6 – 2.1 m (5'2" – 7')	0.045 – 0.45 m (1-3/4" – 1'16")
100 inches (2,032 x 1,524 mm)	2.7 – 3.6 m (8'11" – 11'11")	0.076 – 0.76 m (2" – 2'6")
160 inches (3,251 x 2,438 mm)	4.4 – 5.8 m (14'5" – 19')	0.121 – 1.21 m (4-3/4" – 4')
220 inches (4,470 x 3,353 mm)	6.1 – 8.1 m (20' – 26'7")	0.167 – 1.67 m (6-9/16" – 5'6")
300 inches (6,096 x 4,572 mm)	8.4 – 11.0 m (27'7" – 36'1")	0.228 – 2.28 m (9" – 7'6")

PT-L6600EL/L6510EL with the ET-LE150 short-throw lens

Projection size* (W x H)	L	H
40 inches (813 x 610 mm)	1.4 – 1.9 m (4'8" – 6'4")	0.030 – 0.30 m (1-3/16" – 11-13/16")
60 inches (1,219 x 914 mm)	2.1 – 2.9 m (6'11" – 9'8")	0.045 – 0.45 m (1-3/4" – 1'16")
100 inches (2,032 x 1,524 mm)	3.6 – 4.8 m (11'1" – 15'9")	0.076 – 0.76 m (2" – 2'6")
160 inches (3,251 x 2,438 mm)	5.8 – 7.8 m (19' – 25'7")	0.121 – 1.21 m (4-3/4" – 4')
220 inches (4,470 x 3,353 mm)	8.1 – 10.7 m (26'7" – 35'1")	0.167 – 1.67 m (6-9/16" – 5'6")
300 inches (6,096 x 4,572 mm)	11.0 – 14.6 m (36'1" – 47'11")	0.228 – 2.28 m (9" – 7'6")

PT-L6600EL/L6510EL with the ET-LE200 medium-throw lens

Projection size* (W x H)	L	H
40 inches (813 x 610 mm)	2.1 – 3.4 m (6'11" – 11'2")	0.030 – 0.30 m (1-3/16" – 11-13/16")
60 inches (1,219 x 914 mm)	3.1 – 5.2 m (10'3" – 17')	0.045 – 0.45 m (1-3/4" – 1'16")
100 inches (2,032 x 1,524 mm)	5.4 – 8.7 m (17'9" – 28'7")	0.076 – 0.76 m (2" – 2'6")
160 inches (3,251 x 2,438 mm)	8.6 – 14.1 m (28'3" – 46'3")	0.121 – 1.21 m (4-3/4" – 4')
220 inches (4,470 x 3,353 mm)	11.9 – 19.5 m (39' – 64')	0.167 – 1.67 m (6-9/16" – 5'6")
300 inches (6,096 x 4,572 mm)	16.3 – 26.7 m (53'6" – 87'7")	0.228 – 2.28 m (9" – 7'6")

PT-L6600EL/L6510EL with the ET-LE300 long-throw lens

Projection size* (W x H)	L	H
40 inches (813 x 610 mm)	3.6 – 4.8 m (11'10" – 15'9")	0.030 – 0.30 m (1-3/16" – 11-13/16")
60 inches (1,219 x 914 mm)	5.4 – 7.1 m (17'8" – 23'3")	0.045 – 0.45 m (1-3/4" – 1'16")
100 inches (2,032 x 1,524 mm)	8.9 – 11.8 m (29'2" – 38'8")	0.076 – 0.76 m (2" – 2'6")
160 inches (3,251 x 2,438 mm)	14.3 – 18.9 m (46'11" – 62')	0.121 – 1.21 m (4-3/4" – 4')
220 inches (4,470 x 3,353 mm)	19.6 – 26.0 m (64'4" – 85'4")	0.167 – 1.67 m (6-9/16" – 5'6")
300 inches (6,096 x 4,572 mm)	26.7 – 35.4 m (87'7" – 116')	0.228 – 2.28 m (9" – 7'6")

* inches: diagonally, aspect ratio: 4:3

Compatible graphic modes

VGA400	fh	fv	SXGA	fh	fv
640 x 400	24.8	56.4	1280 x 1024	52.4	50.0
	31.5	70.1		64.0	60.0
				72.4	66.3
VGA480	fh	fv		78.2	71.7
640 x 480	31.5	59.9		80.0	75.0
	35.0	66.7		91.2	85.0
	37.9	72.8	1280 x 1024i	46.2	86.0
	37.5	75.0		47.6	88.9
	43.3	85.0			
SVGA	fh	fv	UXGA	fh	fv
800 x 600	32.1	51.0	1600 x 1200	75.0	60.0
	35.2	56.3		87.5	70.0
	37.9	60.3		93.8	75.0
	48.1	72.1	Mac 16"	fh	fv
	46.9	75.0	832 x 624	49.7	74.6
	53.7	85.1	Mac 21"	fh	fv
XGA	fh	fv	1152 x 870	68.6	75.0
1024 x 768	48.4	60.0	NTSC	fh	fv
	56.5	70.1	768 x 480i	15.7	59.9
	60.0	75.0	PAL	fh	fv
	65.5	81.6	768 x 576i	15.6	50.0
	68.7	85.0	480p	fh	fv
	80.0	100.8	720 x 483	31.5	59.9
	94.0	120.0	720p	fh	fv
1024 x 768i	35.5	86.8	1280 x 720	45.0	60.0
MXGA	fh	fv	HDTV	fh	fv
1152 x 864	63.9	70.0	7920 x 1035i	33.8	60.0
	67.5	75.0			
	77.1	85.0			
1120 x 750	50.1	60.1			
1120 x 750i	32.6	80.0			

fh : Horizontal frequency (kHz)

fv : Vertical frequency (Hz)

Italic: interlaced signals

Bold: For the PT-L6600E/L6600EL only

NOTE:

The display resolution of the PT-L6600E/L6600EL is 1366 x 1024 pixels. Input signals other than SXGA (1280 x 1024 pixels) will be converted to 1366 x 1024 pixels. When the input signal is SXGA (1280 x 1024 pixels), it will be projected as it is without being converted.

The display resolution of the PT-L6510E/L6510EL is 1024 x 768 pixels. If the display resolution indicated in the above data does not match this resolution, the input signal will be converted to 1024 x 768 pixels.



Control panel (Photo shows the PT-L6600E/L6510E. Controls of the PT-L6600EL/L6510EL are slightly different.)

Specifications

	PT-L6600E	PT-L6510E	PT-L6600EL	PT-L6510EL
Power supply	100–240 V AC, 50/60 Hz			
Power consumption	600 W (during standby mode with fan stopped: Max. 10 W)			
Max. amps	5.0 A			
Colour system	PAL/PAL-M/PAL-N/SECAM/NTSC/M-NTSC			
LCD panel	1.3" (diagonal) with Micro Lens Array (MLA)			
Display method	Transparent LCD panels (x 3)			
Drive method	Active matrix			
Pixels	1,398,784 (1,366 x 1,024) x 3	786,432 (1,024 x 768) x 3	1,398,784 (1,366 x 1,024) x 3	786,432 (1,024 x 768) x 3
Pixel configuration	Stripe			
Screen aspect ratio	4:3 (16:9 compatible)			
Lens	Power zoom/focus lens (1:1–1:1.3) F 1.7–2.3, f 49.1–63.8 mm			(option) (option)
Lamp	DC-type 220 W UHM™ lamps x 2 (BriteOptic™ Dual Lamp System)			
Lamp life	3000 hours (dual lamp, standard mode), 6000 hours (single lamp, standard mode)			
Colours	Full colour (16,777,216 colours)			
Brightness	90%			
Dual lamp, high mode	3600 ANSI lumens	4200 ANSI lumens	3600 ANSI lumens	4200 ANSI lumens
Single lamp, high mode	1800 ANSI lumens	2100 ANSI lumens	1800 ANSI lumens	2100 ANSI lumens
CCR	90%			
Contrast	400:1 (full white/full black)	600:1 (full white/full black)	400:1 (full white/full black)	600:1 (full white/full black)
Resolution				
RGB	1366 x 1024 pixels	1024 x 768 pixels	1366 x 1024 pixels	1024 x 768 pixels
Video	1000 TV lines	760 TV lines	1000 TV lines	760 TV lines
Scanning frequency				
RGB	Horizontal: 24–97 kHz, Vertical: 50–120 Hz			
YPbPr	480p: fh 31.5 kHz; fv 60 Hz / 720p: fh 45 kHz; fv 60 Hz / 1080i: fh 33.75 kHz; fv 60 Hz			
S-Video/Video	Horizontal: 15.75/15.63 kHz, Vertical: 50/60 Hz			
Screen size	7.62–76.2 m (30–300 inches) diagonally			(varies with optional lens)
Throw distance	1.4–14.6 m (4'8"–47'11")			(varies with optional lens)
Optical axis shift	10/10–1/19 (horizontal)			
Installation	Ceiling/desk, front/rear (menu selection)			
Built-in speakers				
Size	7 x 4 cm (2-3/4" x 1-9/16") (x 2)			
Output power	6 W (3 W + 3 W) (10% THD)			
On-screen display languages	English, German, French, Spanish, Italian, Chinese, Japanese			
Terminals				
RGB/YUV	IN: D-sub HD 15-pin x 1, 5 BNC x 1 OUT: D-sub HD 15-pin x 1			
RGB				
Digital RGB	IN: DVI-D 24-pin x 1, OUT: DVI-D 24-pin x 1			
S-Video	IN: Mini DIN 4-pin x 1			
Video	IN: BNC x 1, OUT: BNC x 1			
Video audio	IN: RCA jack (L, R) x 1			
RGB audio	IN: M3 (L, R) x 1			
Audio monitor	OUT: M3 (L, R) x 1			
RS-232C	IN: D-sub 9-pin x 1, OUT: D-sub 9-pin x 1			
Contact closure	D-sub 9-pin x 1			
USB	IN: Type B x 1 (up, for mouse), OUT: Type A x 1 (down, for USB hub)			
Wired remote	IN: M3 x 1, OUT: M3 x 1			
Noise level	36 dB (standard mode)			
Dimensions				
(W x H x D)	495 x 179 x 495 mm (19-1/2" x 7-1/16" x 19-1/2")			
Weights	13.8 kg (30.5 lbs.)		12.6 kg (27.8 lbs.)	
Operating temperature	0°–40°C (32°–104°F)			
Operating humidity	20%–80% (no condensation)			
Safety regulations	UL1950, C-UL, FCC			
Remote control unit				
Power supply	3 V DC (AA-size battery x 2)			
Operation range	Approx. 7 m (23') when operated from directly in front of the signal receptor			
Weight	Approx. 102 g (3.6 oz.) (including batteries)			
Dimensions (W x H x D)	46 x 34 x 190 mm (1-3/4" x 1-3/8" x 7-1/2")			
Supplied accessories	Wireless/wired remote control unit, Batteries for remote control unit, Remote control cable (15 m), Remote control adapter plug, Power cord, VGA cable, USB cable, Exhaust guide			
Optional accessories	Replacement lamp unit: ET-LAL6510 (single lamp), ET-LAL6510W (set of two lamps) Ceiling mount bracket: ET-PKL6500 (for high ceilings), ET-PKL6500S (for low ceilings) Dual stacking mount bracket: ET-DFL6500 (for desk/ceiling mount), Dual stacking mount bracket: ET-DFL6500P (for desk mount), Fixed-focus short-throw lens (0.7:1): ET-LE050, Short-throw zoom lens (1.3–1.8:0): ET-LE101, Short-throw zoom lens (1.8–2.4:0): ET-LE150, Medium-throw zoom lens (2.7–4.4:0): ET-LE200, Long-throw zoom lens (4.5–6.0:0): ET-LE300, DVI cable: ET-SCDV03, Wireless remote receiver: ET-RMRC1			

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