

# Panasonic

Micro-Portable Wide-Screen LCD Projector

## PT-L300U

Micro-Portable  
Projector with  
960 x 540  
LCD Panels



- Native 16:9 wide-screen LCD panel
- High resolution 960 x 540 pixels x 3 (R, G, B)
- 800 ANSI lumens brightness
- 800:1 contrast ratio
- Smooth screen technology for reduced screen door effect
- Vertical/horizontal keystone correction
- 6 picture mode (Cinema 1, Cinema 2, Music, Dynamic, Sports, Normal)
- 294-pattern user-adjustable picture equalizing
- Digital Cinema Reality
- New noise reduction
- 3-dimensional Y/C separation
- DVI-D input connector
- Terminals for component, S-video, video, audio and PC
- SD Memory Card slot
- Whisper-quiet 28 dB
- Color temperature adjustable
- Back-lit, multi-function wireless remote controller
- 11" x 11" x 3-3/8" (approx.)
- 6.4 lbs.

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# Setting Another New Standard

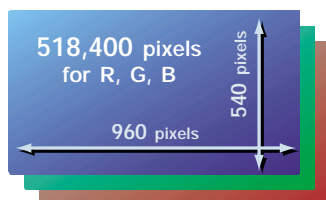


The feature-packed projector PT-L300U boasts three 960 x 540-pixel, high-resolution LCD panels, which delivers beautiful images from any source—for viewing movies, sports and games—and is super easy to use. The PT-L300U is compact, stylish and lightweight—loaded with the leading technology Panasonic has developed for professional movie projectors.

## High-Resolution Wide LCD Panels

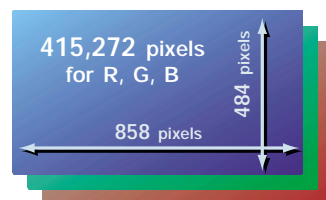
The PT-L300U uses three of new high-resolution, 960 x 540-pixel wide LCD panels, for sharp, beautiful images from DVD, high-definition digital TV, and other advanced sources. Thanks to brightness of 800 ANSI lumens and high 800:1 contrast, you can enjoy movies with natural colors and clear detail.

### Total of 1,555,200 pixels



PT-L300U's 0.7-inch panels

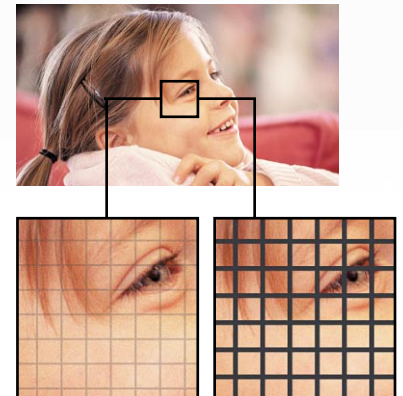
### Total of 1,245,816 pixels



Conventional 0.7-inch panels

## Smooth Screen Technology— Minimizing the Screen Door Effect

When an LCD projector shows images on a large screen, black lines can appear between the pixels. This phenomenon—called the screen door effect—is minimized in the PT-L300U by Panasonic's original smooth screen technology. Using a double refraction crystal device (see below), smooth screen technology reduces the gaps between pixels to give images the same smooth texture you enjoy at the movie theater.

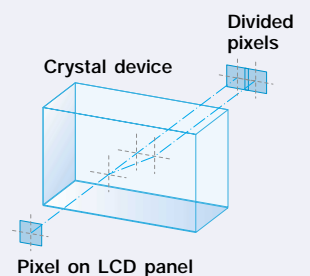


PT-L300U: Smoothly textured images, as in a movie theater

Conventional: Screen door effect



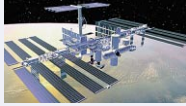



## The Double Refraction Crystal Device

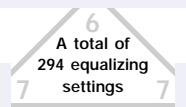
As explained above, on a large screen you can sometimes see grid lines—or “screen door”—between pixels. In Panasonic's original smooth screen technology, use of a special double refraction crystal makes those lines thinner and lightens their color. You can see the results in the PT-L300U's clear, sharp, high-resolution images.





## 294 Equalizing Settings for Optimal Picture Quality

The PT-L300U lets you adjust the picture quality using the remote control to match the source. You get maximum viewing enjoyment from everything you watch—movies, sports, musical performances and more.

		
Normal: Standard brightness; suits a variety of sources	Cinema 1: Soft, film-like quality with ideal gradation for movies.	Cinema 2: Crisp, clear movie images
		
Music: Vivid, high-impact quality, suitable for video clips and live performances	Dynamic: Brightens the image; best in bright environments	Sports: Provides sharp, clear images in dark areas; best for sports



	
7-step white level gamma correction: For bright scenes	7-step black level gamma correction: For dark scenes

### More Flexible Color Settings

- Color temperature adjustment ( $\pm 3000$  K)
- Three sets of picture adjustment settings can be stored in memory

### Other Image Enhancements

- Digital Cinema Reality: Reproduces images that are faithful to the original film source
- Noise reduction: Dramatically reduces ghosts and blurs
- 3-dimensional Y/C separation: Produces clearer, sharper images by suppressing color bleeding

### High Brightness, High Contrast

The high-resolution wide LCD panels combine with a 120-watt UHM™ lamp to deliver brightness of 800 ANSI lumens. Images are easy to view, even in rooms that are not dark. Contrast is also a high 800:1, resulting in deeper blacks and sharper, more detailed images. You get whiter whites, blacker blacks, and crisp, natural colors in everything you watch, from nature programs to cartoons and animation.



PT-L300U



Conventional

### Digital Keystone Correction

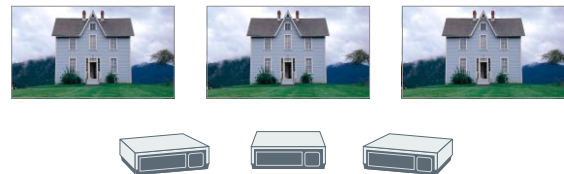
The PT-L300U provides both vertical and horizontal keystone correction to compensate for image distortion when the projector is used at an angle to the screen. Vertical keystone correction compensates for distortion in the up-and-down direction, while horizontal correction compensates for right-

to-left distortion. You enjoy distortion-free images when projecting from an angle of up to 30 degrees in any direction (up, down, left or right).

#### Before keystone correction



#### After keystone correction



### Terminals for DVD, Video, PC and Game Machines

Use the PT-L300U with a DVD or video player, a PC, game machines, and more. The component video input terminal lets you enjoy the full quality of images from high-end progressive scan DVD players. The PC IN terminal can be used to connect PCs and game machines. Other terminals include video, S-Video, and audio inputs. The PT-L300U also adds a Digital Visual Interface (DVI), which directly accepts digital signals from PCs.

### Quiet Operation—Only 28 dB

A quiet new fan reduces operating noise. The use of twin blades reduces light leakage. Thanks to this special design, you can fully enjoy the beauty of the large-screen images.

### Easy Projection with SD Memory Card

The PT-L300U features an SD Memory Card slot. Simply insert a card containing images taken with a digital still camera<sup>1</sup> or digital video camera<sup>2</sup>, and you can project them onto a large screen. Enjoy fast, easy slide shows without connecting cables or other equipment.



- 1 - JPEG images compliant with DCF (Design rule for Camera File system)
- 2 - MPEG-4

### 80-inch Wide-Screen Images at a Distance of 8.2 Feet

The extra-short-throw lens on the PT-L300U produces big images in small spaces. For example, you can get an 80-inch diagonal 16:9 wide-screen image from a distance of 8.2 feet. The image size ranges from 40 to 200 inches, with easy adjustment using the manual zoom.

### Slim, Stylish and Compact

Measuring just 11 x 11 inches and weighing only about 6.4 pounds, the PT-L300U is thin, compact and easy to carry. You can set it up just about anywhere—on a table, in an AV rack, or mounted to the ceiling (using an optional ceiling mount).

### Other Convenient Features

- Back-lit, multi-function wireless remote control
- 7-language on-screen menu operation (English, French, German, Spanish, Italian, Chinese, Japanese)

## Specifications

<b>Power supply</b>	100–240 V AC, 50/60 Hz
<b>Power consumption</b>	180 W (0.5 W in standby mode with fan stopped)
<b>LCD panel</b>	0.7-inch diagonal polysilicon TFT wide panels (x3)
<b>Aspect ratio:</b>	16:9 (4:3 selectable)
<b>Pixels</b>	1,555,200 pixels, 960 x 540 (x 3)
<b>Lens</b>	Manual zoom/focus lens F 2.0–2.3, f 22.0–26.2 mm
<b>Optical shift</b>	17:1 (fixed, 16:9 aspect ratio)
<b>Lamp</b>	120 W UHM™ lamp
<b>Brightness</b>	800 ANSI lumens <sup>3</sup> (high lamp power mode)
<b>Uniformity</b>	More than 90%
<b>Contrast ratio</b>	800:1 (full white/full black)
<b>Projection size</b>	40"–200" / 1.2–9.0 m (aspect ratio: 16:9)
<b>Installation</b>	Ceiling/desk, front/rear (menu selection)
<b>Scanning frequency</b>	
<b>RGB</b>	fh 30–70 kHz, fv 50–87 Hz
<b>YPbPr</b>	525i (480i), 625i (576i), 525p (480p), 750p (720p), 1125i (1080i)
<b>Color system</b>	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, PAL60, SECAM
<b>Audio output</b>	2 W (mono)
<b>Input</b>	
<b>Video</b>	RCA pin jack
<b>S-Video</b>	DIN 4-pin
<b>Audio</b>	RCA pin jack x 2 (L, R)
<b>DVI</b>	DVI-D 24-pin
<b>PC</b>	D-sub HD 15-pin
<b>Component</b>	RCA pin jack x 3 (Y, Pb/Cb, Pr/Cr)
<b>SD Memory Card</b>	
<b>Still pictures</b>	DCF compliant
<b>Motion pictures</b>	MPEG-4 compliant (audio: G.726 compliant)
<b>Plug &amp; Play</b>	DDC1/2B compliant
<b>Digital keystone correction</b>	Vertical and horizontal
<b>Dimensions</b>	11" x 3-11/32" x 10-1/32" (including lens) (280 x 85 x 279 mm)
<b>Weight</b>	6.4 lbs. (2.9 kg)
<b>Noise</b>	28 dB (low lamp power mode)
<b>Operating environment</b>	
<b>Temperature</b>	32°–104°F (0°–40°C)
<b>Humidity</b>	20%–80% (no condensation)

## Supplied accessories

- AC cord (9.9/3 m)
- Carrying bag
- AV cable (9.9/3 m)
- Wireless remote control
- Batteries for remote control
- Lens cap
- User's manual

Supplied wireless remote control



## Optional accessories

- Ceiling mount bracket: ET-PKE300
- Replacement lamp unit: ET-LAE100



ET-PKE300  
Ceiling mount bracket

3 – ANSI lumens is measuring method of the American Standards Institute IT7.228. Since there is no uniform method of measuring brightness, specifications will vary among manufactures.

## Image size / projection distance

Aspect ratio	Diagonal image size	Distance to screen	
		min.	max.
16:9	40" / 3.3' / 1.0 m	3.9' / 1.2 m	4.6' / 1.4 m
	60" / 4.9' / 1.5 m	6.2' / 1.9 m	7.2' / 2.2 m
	80" / 6.7' / 2.0 m	8.3' / 2.5 m	9.5' / 2.9 m
	100" / 8.3' / 2.5 m	10.2' / 3.1 m	12.1' / 3.7 m
	150" / 12.5' / 3.8 m	15.4' / 4.7 m	18.4' / 5.6 m
4:3	40" / 3.3' / 1.0 m	4.9' / 1.5 m	5.9' / 1.8 m
	60" / 4.9' / 1.5 m	7.5' / 2.3 m	8.9' / 2.7 m
	80" / 6.7' / 2.0 m	9.8' / 3.0 m	11.8' / 3.6 m
	100" / 8.3' / 2.5 m	12.5' / 3.8 m	15.1' / 4.6 m
	150" / 12.5' / 3.8 m	18.7' / 5.7 m	22.6' / 6.9 m
	200" / 16.7' / 5.1 m	24.9' / 7.6 m	30.2' / 9.2 m

NOTE: Image sizes and distances shown above are approximate.

Rear view



Panasonic is the brandname of Matsushita Electric

Panasonic Broadcast & Television Systems Company  
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Please contact Panasonic or your dealer for a demonstration.

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