

Panasonic®

NTSC/M-NTSC/PAL/PAL-M/PAL-N/SECAM

PT-L711U
PT-L701SDU
PT-L701U
PT-L511U
PT-L501U
Portable LCD Projectors

Simple Smart Stylish

- One-Touch Auto Setup with digital keystone correction
- Extra short-throw lens allows display of larger images in smaller rooms
- Quiet fans (28dB*) and 2-mode lamp operation * in low power mode
- Index Window makes presentations easier to understand
- SD Memory Card support for convenient PC-free presentations



The Smart Choice in Portable Projectors

At first glance you'll notice the smart design that distinguishes Panasonic's portable projectors from all the others. And when you turn one on, you'll see that their performance is a lot smarter, too.

For example, there's the remarkable ease of use you get with Auto Setup. Simply aim the projector at the screen, press a button, and let the projector make all the adjustments. With its large-diameter, extra-short-throw lens, you can display big, bright images even in smaller rooms. And Panasonic adds a host of functions — such as SD Memory Card support for PC-free presentations — that make every presentation a success.

Smart design, intelligent functions.
That's the Panasonic difference.



PT-L701U in blue silver



The rear panel of the PT-L701SDU features an SD Memory Card slot. Save your presentation onto an SD Memory Card, and you can deliver impressive presentations without connecting to a computer. The ultrathin SD Memory Card is only 24 x 32 mm (approximately 1 x 1-1/4 inches), yet has a huge, 64-megabyte capacity.*

*As of November 2000.

Choose the One that Suits Your Style



Silver

PT-L711U

Our top-of-the-line model, with the Micro Lens Array

- 1400 ANSI lumens
- XGA (UXGA max.) resolution
- Micro Lens Array (MLA)



Silver

PT-L701SDU

SD card slot for PC-free presentations

- 1000 ANSI lumens
- XGA (UXGA max.) resolution
- SD memory card support



Blue silver

PT-L701U

High resolution, available in three cabinet colors

- 1000 ANSI lumens
- XGA (UXGA max.) resolution



Pearl green



Dusty rose

The PT-L701U also comes in pearl green and dusty rose with limited availability.



Blue silver

PT-L511U

Superior brightness and easy operation

- 1500 ANSI lumens
- SVGA (SXGA max.) resolution



Blue silver

PT-L501U

Easy to use, available in three cabinet colors

- 1100 ANSI lumens
- SVGA (SXGA max.) resolution



Pearl green



Dusty rose

The PT-L501U also comes in pearl green and dusty rose with limited availability.

One-Touch Auto Setup



One-Touch Auto Setup provides a wide range of automatic adjustments, from phasing to dot clocks, and from vertical sizing to horizontal blocking. The list goes on to include keystone correction and RGB input signal selection. A newly developed built-in gravity sensor detects the projector angle relative to the floor (up to 30 degrees), then corrects for keystone distortion accordingly. A new IC also minimizes picture degradation. Simply press the Auto Setup button to automatically tune and adjust the image for optimal viewing.



Before auto setup

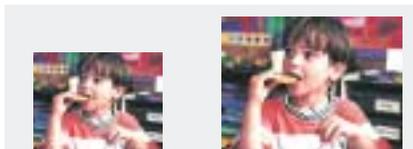
After auto setup

Extra Short-Throw Lens



Each model is equipped with a large-diameter, extra short-throw lens that shortens the necessary projection

distance by 25%. Conventional projectors often have to be positioned in the middle of the meeting table, with considerable distance between the lens and the screen. The shorter projection distance of the new Panasonic models saves space, allowing the projector to be placed at the front of the table. This convenient feature enables comfortable presentations with large, easy-to-see images even in small rooms.



Conventional

Panasonic

Panasonic projectors provide larger, brighter images than conventional models do at the same projection distance.

SD Memory Card Presentation

The PT-L701SD comes complete with an SD Memory Card, a PC card adapter for it, and conversion software that converts BMP or TIFF images and entire Microsoft PowerPoint files into JPEG images.

This allows PC-free presentations using materials even from PCs that are not equipped with an SD card slot.



SD memory card slot on the rear



The PT-L701SDU comes supplied with file conversion software "JPEG Converter."

Functions for SD Card Presentations

The PT-L701SD offers several functions geared for SD Memory Card presentations. These include **Auto Slide Show**, which automatically shows the data from an SD Memory Card in succession; **Capture**, which captures and saves the displayed screen directly onto an SD Memory Card in JPEG file format; and **Thumbnail Display**, which provides an index-type display of all the images on an SD Memory Card, and lets the user change the image sequence.

Quiet Cooling Fan—Only 28 dB

Four new, quiet-design cooling fans greatly reduce operating noise to 28 dB in Low power mode. A rotary air outlet louver lets the user control the direction of exhaust air and aim leakage light away from the audience's eyes.

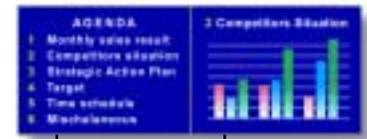
2-Mode Lamp Operation

The user can select from Standard and Low lamp power modes. Designed for use in dark rooms, Low mode uses a lower lamp power that minimizes energy consumption and lengthens the lamp life (to 3,000 hours compared with 2,000 hours in Standard mode).

Note: Brightness is reduced 20% in low mode.

Unique Index Window

Any image in the presentation, RGB or video input, can be frozen, stored in memory, and displayed on the left side of the screen as an Index Window, while the display of subsequent images continues on the right. This can make presentations much easier to understand. For example, the outline of a plan can be displayed in the Index Window to the left, while details are displayed to the right. The result is a multi-window effect from a single presentation source, with no special preparations necessary.



Index window (frozen image)

Normal window

Attractive Styling

The stylish design helps to enhance your presentation, creating a positive impression the moment the projector is set in place. The footprint is a compact A4 size, and the unit weighs only 3.8 kg (8.4 lbs.)*. The design is practical, too, with a protrusion-free body that makes carrying easy. The PT-L711U and PT-L701SDU come in a silver cabinet, and the PT-L701U, PT-L511U and PT-L501U are available in attractive blue silver. The PT-L701U and PT-L501U also come in pearl green and dusty rose with limited availability.

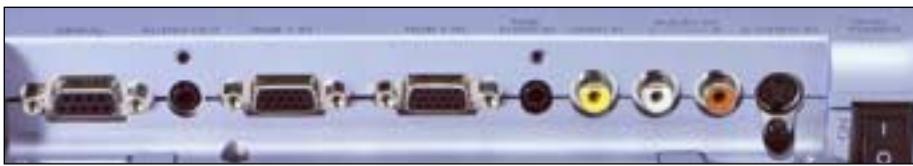
*PT-L701SDU:
3.9 kg/8.6 lbs.



Top view

DTV-Ready Design

All models accommodate the major digital TV formats. The PT-L711U, PT-L701SDU and PT-L701U also feature the Digital Cinema Reality circuit, which greatly improves viewing quality from film-based video sources.



Terminals

Two RGB Inputs

Two RGB input terminals are provided for greater connection flexibility.

10-Bit Digital Gamma Correction

The 10-bit gamma correction circuitry featured on all models optimizes the non-linear imaging characteristics of their LCD panels. Far superior to conventional analogue gamma processing, this circuitry delivers naturally vibrant colors with smooth shading and image gradation.

High Resolution and Intelligent Image Resizing

The PT-L711U, PT-L701SDU and PT-L701U offer native XGA resolution (UXGA max.). The PT-L511U and PT-L501U support native SVGA resolution (SXGA max.). When displaying images of other types, the signals are expanded or compressed by a digital processing system that ensures smooth outlines and outstanding picture definition.

Ultrahigh Brightness



The 160-W UHM™ lamp delivers an ultrahigh level of brightness. The PT-L711U features the Micro Lens Array (MLA) for even greater brightness.

UHM is a trademark of Matsushita Electric Industrial Co., Ltd.

Other Important Features

- RGB signal input indication
- Optional wide conversion lens (ET-LEC701)
- 9x digital zoom
- Advanced shutter function
- Card-type remote control
- Compatible with six video systems: NTSC, M-NTSC, PAL, PAL-M, PAL-N, SECAM
- Component video signal compatibility: 1080i, 720P, 480P, 480i, 625i
- S-Video compatibility
- Full 16.7-million color palette
- 3-Dimensional Y/C separation for NTSC signal



RGB indicator

Optional full-function remote control ET-RM100 is also available.



Supplied card-type remote



The main unit has the storage space for the supplied card-type remote.

- RS-232C computer interface
- Ceiling mount capability
- Mute/freeze for video and RGB
- Selectable 7-language on-screen menu (English, German, French, Spanish, Italian, Chinese, Japanese)
- VGA expansion on/off selectable
- Video expansion on/off selectable
- 4:3/16:9 screen aspect ratio selectable
- RGB input indicator
- Rear screen projection
- Universal AC power supply (auto-voltage: 100 to 240 V)

Accessories for more mobility and flexible installation



Ceiling mount bracket ET-PK701 is optionally available. Photo shows the PT-L711U mounted on the ET-PK701



Photo shows the PT-L711U with the ET-LEC701 wide conversion lens attached.



ET-LEC701 wide conversion lens



Each model comes supplied with a carrying bag.

Brightness of each model is measured in compliance with "Guidelines for LCD Projector Measuring Procedures and Measuring Conditions" by Japan Business Machine Makers Association (JBMA). Fan noise is measured in compliance with ISO7779 standard.

Specifications

Power supply:	100–240 V AC, 50/60 Hz
Power consumption:	240 W (standby mode*: 5 W) * with fan stopped.
Color system:	NTSC/M-NTSC/SECAM/PAL/ PAL-M/PAL-N
Scanning frequency:	
RGB	
PT-L711U/L701SDU/L701U:	fH 15–97 kHz fV 50–120 Hz
PT-L511U/L501U:	fH 15–81 kHz fV 50–100 Hz
YPbPr:	480i: fH 15.7 kHz, fV 59.9 Hz 625i: fH 15.6 kHz, fV 50.0 Hz 480p: fH 31.5 kHz, fV 59.9 Hz 720p: fH 45 kHz, fV 60.0 Hz 1080i: fH 33.75 kHz, fV 60.0 Hz
Video/S-Video:	PAL/PAL-M/SECAM: fH 15.6 kHz, fV 50.0 Hz PAL-M/NTSC/M-NTSC: fH 15.7 kHz, fV 59.9 Hz
LCD panel:	0.9" (diagonal) polysilicon TFT LCD panels (x 3)
Drive method:	Active matrix
Micro Lens Array (MLA):	Featured on the PT-L711U only
Pixels:	
PT-L711U/L701SDU/L701U:	786,432 (1,024 x 768) x 3
PT-L511U/L501U:	480,000 (800 x 600) x 3
Pixel configuration:	Stripe
Screen aspect ratio:	4:3 (16:9 compatible)
Lens:	Manual zoom/focus lens (1:1–1:1.3), F 1.8–2.1 (F 2.0–2.0 for PT-L511U), f 28.7–36.0 mm
Lamp:	AC 160 W UHM™ lamp
Colors:	Full color (16,777,216 colors)
Brightness:	
PT-L711U:	1400 ANSI lumens
PT-L701SDU:	1000 ANSI lumens
PT-L701U:	1000 ANSI lumens
PT-L511U:	1500 ANSI lumens
PT-L501U:	1100 ANSI lumens
Contrast ratio:	
PT-L711U:	300:1
PT-L701SDU:	350:1
PT-L701U:	350:1
PT-L511U:	350:1
PT-L501U:	200:1
Resolution:	
PT-L711U/L701SDU/L701U:	
RGB:	1024 x 768 pixels
Video:	760 TV lines
PT-L511U/L501U:	
RGB:	800 x 600 pixels
Video:	600 TV lines
Screen size:	30"–300" diagonal (aspect ratio: 4:3)

Projection setting example

Projection size*	with supplied lens		with ET-LEC701 (option)	
40 inches	118	– 151 cm (3.9' – 5.0')	103	– 131 cm (3.4' – 4.3')
80 inches	243	– 308 cm (8.0' – 10.1')	213	– 271 cm (7.0' – 9.0')
120 inches	368	– 465 cm (12.7' – 15.3')	323	– 410 cm (10.6' – 13.5')
160 inches	492	– 622 cm (16.1' – 20.4')	434	– 549 cm (14.2' – 18.0')
200 inches	617	– 779 cm (20.2' – 25.6')	544	– 688 cm (17.8' – 22.6')
240 inches	742	– 936 cm (24.3' – 30.7')	655	– 827 cm (21.5' – 27.1')
300 inches	929	– 1172 cm (30.5' – 38.5')	820	– 1036 cm (26.9' – 34.0')

* diagonally

Lens shift:	9:1 (fixed)
Installation:	Ceiling/desk, front/rear (menu selection)
Built-in speaker:	
Size:	28 mm (1.1") round type
Output power:	1 W x 2 (stereo)
Terminals:	
RGB1/YPbPr in:	D-sub HD 15-pin
RGB2/YPbPr in:	D-sub HD 15-pin
S-Video in:	Mini DIN 4-pin
Video in:	RCA jack
Audio in:	RGB: Stereo mini jack Video: RCA jack (L/R)
Audio out:	Stereo mini jack
RS-232C:	D-sub 9-pin
SD memory card slot:	JPEG compliant/EXIF2.1 (Featured on the PT-L701SDU only)
Security lock:	Kensington MicroSaver Security System
Dimensions (W x H x D):	233 x 98 x 330 mm (9-3/16" x 3-7/8" x 12-15/16")
Weight:	
PT-L711U/L701U/L511U/L501U:	3.8 kg (8.4 lbs.)
PT-L711SDU:	3.9 kg (8.6 lbs.)
Operating temperature:	0°–40°C (32°–104°F)
Operating humidity:	20%–80% (no condensation)
Safety regulations:	UL1950, C-UL, EN60950, FCC class A, EN50082-1, EN55022 (B), EN61000-3-2, EN61000-3-3, VDE, CB Certificate, C-tick

Supplied accessories:

Common:	Remote control unit, Batteries for remote control unit, Power cord, RGB cable, AV cable, Carrying bag
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For the PT-L701SDU only:

SD memory card (16 MB), PC card adapter for SD memory card, JPEG conversion software (JPEG Converter)
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Optional accessories:

Replacement lamp unit: ET-LA701
Ceiling mount bracket: ET-PK701
Full function wireless remote control: ET-RM100
Wide conversion lens: ET-LEC701
D-sub 15-pin/BNC adapter cable: ET-ADBNC

Compatible Signals

PT-L711U/L701SDU/L701U

VGA 400	fH	fV	MXGA	fH	fV
640 x 400	31.5	70.1	1152 x 864	64.0	71.2
				67.5	75.0
VGA 480	fH	fV			
640 x 480	31.5	59.9		76.7	85.0
			Mac 21"	fH	fV
			1152 x 870	68.7	75.1
			SXGA	fH	fV
Mac 13"	fH	fV	1280 x 1024	52.4	50.0
640 x 480	35.0	66.7		64.0	60.0
				72.3	66.3
SVGA	fH	fV		78.2	72.0
800 x 600	32.1	51.1		80.0	75.0
			1280 x 1024i	46.4	86.9
				47.6	89.1
			UXGA	fH	fV
			1600 x 1200	75.0	60.0
				87.5	70.0
Mac 16"	fH	fV		93.8	75.0
832 x 624	49.7	74.6			
XGA	fH	fV	Video/S-Video	fH	fV
1024 x 768	48.4	60.0	PAL/PAL-M/SECAM		
	56.5	70.1		15.7	50.0
	60.0	75.0	NTSC/M-NTSC/PAL-M		
	65.5	81.6		15.6	59.9
	68.7	85.0	YPbPr	fH	fV
			480i	15.7	59.9
			625i	15.6	50.0
1024 x 768i	35.5	87.0	480p	31.5	59.9
Mac 19"	fH	fV	720p	15.0	60.0
1024 x 768	60.2	74.9	1080i	33.75	60.0

fH : Horizontal frequency (kHz)
fV : Vertical frequency (Hz)

The display resolution of the PT-L711U, PT-L701SDU and PT-L701U is 1024 x 768 dots. If the display resolution indicated in the above data does not match this resolution, the input signal will be converted to 1024 x 768.

PT-L511U/L501U

VGA 400	fH	fV	Mac 19"	fH	fV
640 x 400	31.5	70.1	1024 x 768	60.2	74.9
VGA 480	fH	fV	MXGA	fH	fV
640 x 480	31.5	59.9	1152 x 864	64.0	71.2
				67.5	75.0
			SXGA	fH	fV
			1280 x 1024	52.4	50.0
Mac 13"	fH	fV		64.0	60.0
640 x 480	35.0	66.7	Video/S-Video	fH	fV
			PAL/PAL-M/SECAM		
SVGA	fH	fV		15.7	50.0
800 x 600	32.1	51.1	NTSC/M-NTSC/PAL-M		
	35.2	56.3		15.6	59.9
	37.9	60.3	YPbPr	fH	fV
	48.1	72.2	480i	15.7	59.9
	46.9	75.0	625i	15.6	50.0
	53.7	85.1	480p	31.5	59.9
Mac 16"	fH	fV	720p	15.0	60.0
832 x 624	49.7	74.6	1080i	33.75	60.0
XGA	fH	fV			
1024 x 768	48.4	60.0			
	56.5	70.1	fH : Horizontal frequency		
	60.0	75.0	(kHz)		
	65.5	81.6	fV : Vertical frequency (Hz)		
	68.7	85.0			
	80.0	100.0			
1024 x 768i	35.5	87.0			

The display resolution of the PT-L511U and PT-L501U is 800 x 600 dots. If the display resolution indicated in the above data does not match this resolution, the input signal will be converted to 800 x 600.

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Panasonic is the brandname of Matsushita Electric.

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