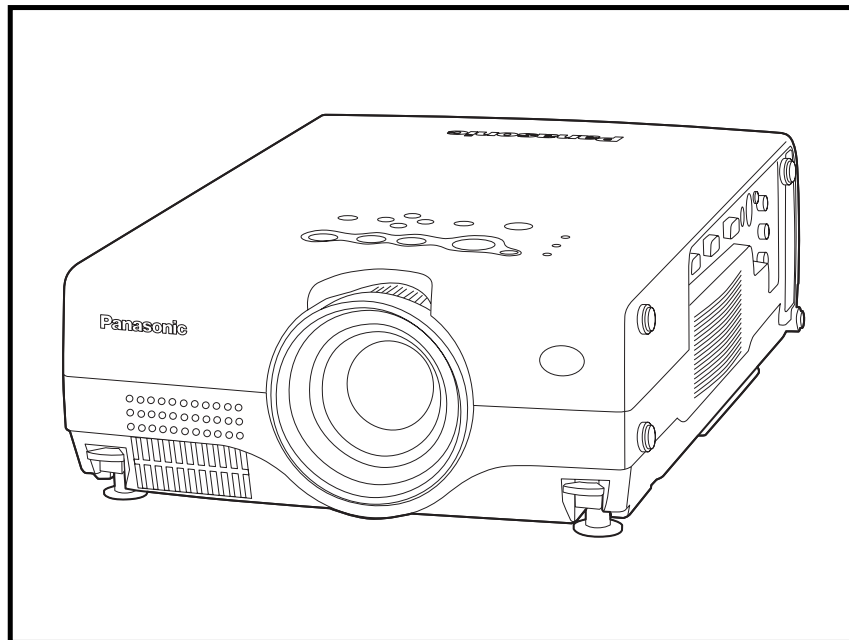


S P E C F I L E

PRODUCT NO.: PT-L735

PRODUCT NAME: Ultra Portable LCD Projector



MAJOR FEATURES

- Bright
 - High 2600 ANSI lumens brightness
- Time-saving
 - One-touch auto setup
 - Automatic input signal detector
 - Speed start
 - Direct power off
 - Momentary switch
- Superior sound performance
 - Whisper-quiet operation (28 dB)*
 - Powerful 5W x 2 stereo speakers
- Secure
 - Password and control lock
 - Custom startup screen
 - Text superimposing
- Convenient
 - H/V keystone correction
 - Auto power off
 - RGB2-in/RGB1-out switchable
 - Blackboard mode

* In low lamp power mode

Specifications

Power supply:	100–240 V AC, 50/60 Hz
Power consumption:	280 W (5 W in standby mode with fan stopped)
Optical system:	Dichroic mirror separation/prism synthesis system
LCD panel:	0.9" diagonal with micro lens array (4:3 aspect ratio)
Panel size:	Transparent LCD panel (x 3, R/G/B)
Display method:	Active matrix
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/focus lens (1:1–1:1.3), F 1.7–2.1, f 28.7–36.0 mm
Lamp:	200 W UHM™ lamp
Screen size:	40–300 inches (101.6–7,620 mm) diagonally, 4:3 aspect ratio
Colors:	Full color (16,777,216 colors)
Brightness:	2600 ANSI lumens ^{1,2}
Center-to-corner uniformity ratio:	90% ¹
Contrast ratio:	300:1 ¹ (full on/full off)
Resolution:	1,024 x 768 pixels (1,600 x 1,200 pixels with compression)
Video:	760 TV lines (horizontal resolution)
Scanning frequency:	Horizontal: 15–91 kHz, Vertical: 50–85 Hz
RGB:	480i (525i): fh 15.75 kHz; fv 60 Hz
YPbPr:	576i (625i): fh 15.63 kHz; fv 50 Hz
	480p (525p): fh 31.5 kHz; fv 60 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
S-Video/Video:	fh 15.75 kHz; fv 60 Hz (NTSC, NTSC4.43, PAL-M, PAL60)
	fh 15.63 kHz; fv 60 Hz (PAL, SECAM, PAL-N)
Optical axis shift:	9:1 (fixed)
Keystone correction range:	Vertical: approx. ±30°, Horizontal: approx. ±9° Correction range differs when both vertical and horizontal keystone distortions are corrected at the same time. This also differs depending on input signal.
Installation:	Ceiling/desk, front/rear (menu selection)
Built-in speakers:	Output power: 5.0 W + 5.0 W, stereo
Terminals:	RGB1 IN: D-sub HD 15-pin (female) x 1
	RGB signal: G: 0.7 Vp-p (1.0 Vp-p for Sync on G), 75Ω R, B: 0.7 Vp-p, 75Ω HD, VD, SYNC: TTL, high impedance (positive/negative polarity)
	YPbPr signal: Y: 1.0 Vp-p (including sync signal), 75Ω Pb, Pr: 0.7 Vp-p, 75Ω
	RGB2 IN/RGB1 OUT: D-sub HD 15-pin (female) x 1, IN/OUT selectable with on-screen menu
	RGB signal: G: 0.7 Vp-p (1.0 Vp-p for Sync on G), 75Ω R, B: 0.7 Vp-p, 75Ω HD, VD, SYNC: TTL, high impedance (positive/negative polarity)
	YPbPr signal: Y: 1.0 Vp-p (including sync signal), 75Ω Pb, Pr: 0.7 Vp-p, 75Ω
	RGB AUDIO IN: M3 (stereo mini) x 1, 0.5 Vrms, for RGB1/RGB2
	VIDEO IN: RCA pin x 1, 1.0 Vp-p, 75Ω
	S-VIDEO IN: Mini DIN 4-pin x 1, Y: 1.0 Vp-p, C: 0.286 Vp-p, 75Ω
	AUDIO IN: RCA (L, R) x 1, 0.5 Vrms, for VIDEO/S-VIDEO
	AUDIO OUT: M3 (stereo mini) x 1, 0 – 2.0 Vrms (variable), for monitor out of RGB1/RGB2/VIDEO/S-VIDEO
	SERIAL: D-sub 9-pin x 1, for external control (RS-232C)
	USB: Type B x 1, for wireless mouse control
Power cord length:	3 m (9'10")
Cabinet material:	ABS/PC
Dimensions (W x H x D):	248 x 115 x 359 mm (9-25/32" x 4-17/32" x 14-5/32") (not including protruding parts)
Weight:	4.2 kg (9.3 lbs.)

Ultra Portable LCD Projector

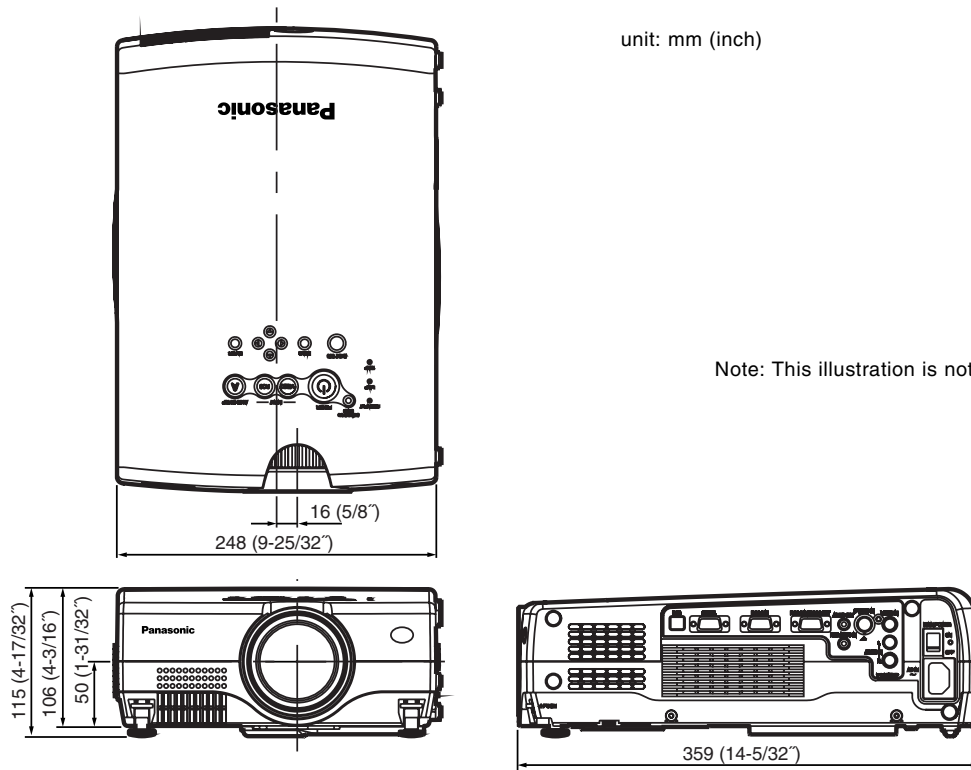
PT-L735

Operating environment:	Temperature:	0°–40°C (32°–104°F)
	Humidity:	20%–80% (no condensation)
Remote control unit:	Power supply:	3 V DC (AAA battery x 2)
	Operation range:	Approx. 7 m when operated from directly in front of the signal receptor
	Dimensions (W x H x D):	33 x 168 x 40 mm (1-9/32" x 6-19/32" x 1-9/16")
	Weight:	108 g (3.8 oz.) (including batteries)
Supplied accessories:		Power cord
		Full-function wireless remote control with laser pointer
		Batteries for remote control unit
		RGB cable (3.3 m/9'10")
		AV cable (3.3 m/9'10")
		USB cable (3.3 m/9'10")
		Carrying bag
Optional accessories:		Replacement lamp unit: ET-LAC735
		Ceiling mount bracket: ET-PK735
		Wide conversion lens: ET-LEC701
		Wireless mouse receiver: ET-RMRC2

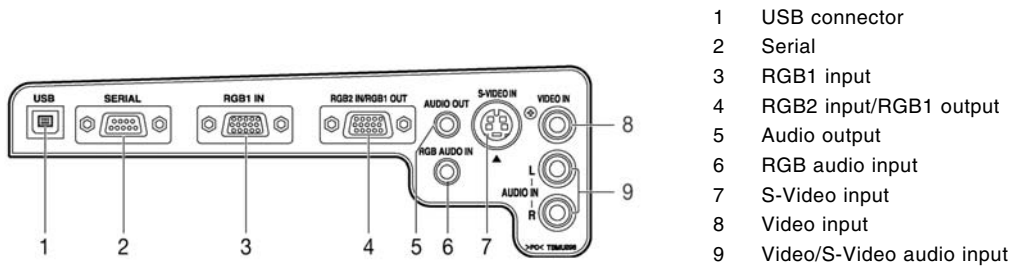
Weights and dimensions shown are approximate.
Specifications subject to change without notice.

1: Average values of delivered models, measured in compliance with "Guidelines for LCD Projector Measuring Procedures and Measuring Conditions (June 1999)" by the Japan Business Machine Makers Associations (JBMA).
2: ANSI lumens is the measuring method of the American National Standards Institute IT7.228. Since there is no uniform method of measuring brightness, specifications may vary among manufacturers.

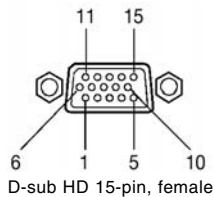
Dimensions



Terminals



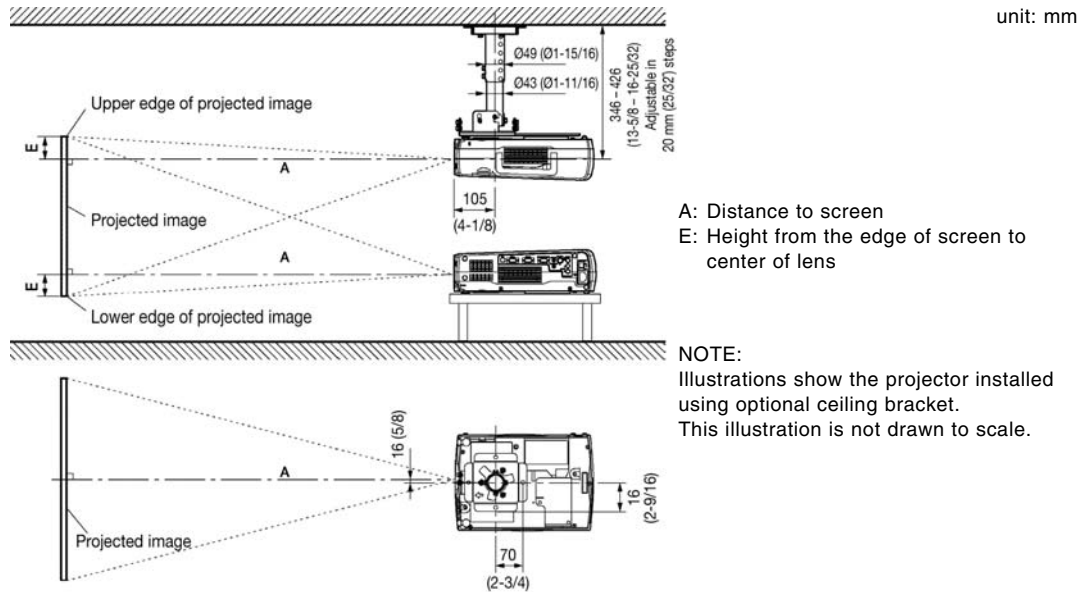
RGB IN connector pin assignment



no.	signal	no.	signal	no.	signal
1	R/PR	6	GND	11	NC
2	G/Y	7	GND	12	SDA*
3	B/PB	8	GND	13	HD/SYNC
4	GND	9	NC	14	VD
5	GND	10	GND	15	SCL*

* Effective when connected to a PC having proper functions.

Standard setting-up positions



Diagonal image size	Distance to screen			
	With supplied lens		With optional wide conversion lens	
	min.	max.	min.	max.
1.01 m / 3'3" / 40"	1.2 m / 3'11"	1.5 m / 4'11"	1.1 m / 3'7"	1.3 m / 4'3"
1.52 m / 5' / 60"	1.9 m / 6'2"	2.3 m / 7'6"	1.6 m / 5'3"	2.0 m / 6'7"
2.03 m / 6'7" / 80"	2.5 m / 7.9'	3.1 m / 10'2"	2.2 m / 7'3"	2.7 m / 8'10"
2.54 m / 8'2" / 100"	3.1 m / 10'2"	3.9 m / 12'9"	2.7 m / 8'10"	3.4 m / 11'2"
3.05 m / 9'10" / 120"	3.7 m / 12'2"	4.7 m / 15'5"	3.3 m / 10'10"	4.1 m / 13'5"
3.81 m / 12'6" / 150"	4.7 m / 15'5"	5.8 m / 19'	4.1 m / 13'5"	5.1 m / 16'9"
5.08 m / 16'8" / 200"	6.2 m / 20'4"	7.8 m / 25'7"	5.5 m / 18'1"	6.8 m / 22'4"
6.35 m / 20'10" / 250"	7.8 m / 25'7"	9.8 m / 32'1"	6.9 m / 22'8"	8.6 m / 28'3"
7.62 m / 25' / 300"	9.4 m / 30'10"	11.8 m / 38'8"	8.2 m / 26'11"	10.3 m / 33'10"

Image sizes and distances are approximate.

NOTE:
Values shown are approximate.

Calculation of the projection distance

For a screen size different from the above, use the equation below to calculate the projection distance.

Aspect ratio 4 : 3

minimum L (m) = (diagonal screen size in inches) x 0.0310 - 0.068
 maximum L (m) = (diagonal screen size in inches) x 0.0393 - 0.068

Aspect ratio 16 : 9

minimum L (m) = (diagonal screen size in inches) x 0.0340 - 0.068
 maximum L (m) = (diagonal screen size in inches) x 0.0430 - 0.068

Computer data compatibility

This projector accepts up to 91 kHz horizontal scanning frequency and 162 MHz dot clock.

NOTE: The projector is not fully compatible with RGB signals of which dot clock is higher than 100 MHz.
 The display resolution of this projector 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.