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
Ultra Portable LCD Projector

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:**
- **Panel size:** 0.9” diagonal with micro lens array (4:3 aspect ratio)
- **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/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

**Center-to-corner uniformity ratio:** 90%

**Contrast ratio:** 300:1 (full on/full off)

**Resolution:**
- **RGB:** 1,024 x 768 pixels (1,600 x 1,200 pixels with compression)
- **Video:** 760 TV lines (horizontal resolution)

**Scanning frequency:**
- **RGB:**
  - Horizontal: 15 – 91 kHz, Vertical: 50 – 85 Hz
  - YPaPb signal:
    - 480i (525i): fH 15.75 kHz; fV 60 Hz
    - 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
  - Y: 1.0 Vp-p (including sync signal), 75Ω
  - P, Pp: 0.7 Vp-p, 75Ω
- **YPbPR:**
  - Vertical: approx. ±30°, Horizontal: approx. ±9°
  - Correction range differs when both vertical and horizontal keystoning distortions are corrected at the same time. This also differs depending on input signal.

**Keystone correction range:**
- Vertical: approx. ±30°, Horizontal: approx. ±9°

**Optical axis shift:** 9:1 (fixed)

**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)**
  - **YPaPb signal**
    - Y: 1.0 Vp-p (including sync signal), 75Ω
    - P, Pp: 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)**
  - **YPaPb signal**
    - Y: 1.0 Vp-p (including sync signal), 75Ω
    - P, Pp: 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”)

**Weight:** 4.2 kg (9.3 lbs.)

As of May 2003
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.
**Ultra Portable LCD Projector**

**PT-L735**

**Dimensions**

![Dimensions Diagram](image)

Unit: mm (inch)

Note: This illustration is not drawn to scale.

**Terminals**

1. USB connector
2. Serial
3. RGB1 input
4. RGB2 input/RGB1 output
5. Audio output
6. RGB audio input
7. S-Video input
8. Video input
9. Video/S-Video audio input

**RGB IN connector pin assignment**

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<th>No.</th>
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</table>

* Effective when connected to a PC having proper functions.
Ultra Portable LCD Projector

Standard setting-up positions

NOTE: Illustrations show the projector installed using optional ceiling bracket. This illustration is not drawn to scale.

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.