## Specifications

| | |
|---|---|
| **Model Name** | PB2250 / PB2240 / PB2140 |
| **Projection System** | DLP™ technology by Texas Instruments® |
| **Panel** | PB2140: 0.55" SVGA DDR DMD™ x 1 |
| | PB2240: 0.7" XGA DDR DMD™ x 1 |
| | PB2250: 0.55" XGA DDR DMD™ x 1 |
| **Brightness** | PB2140: 1600 ANSI lumens (80% at economic mode) |
| | PB2240: 2000 ANSI lumens (80% at economic mode) |
| | PB2250: 2200 ANSI lumens (80% at economic mode) |
| **Contrast Ratio** | 2000:1 |
| **Native Resolution** | PB2140: SVGA (800 x 600) |
| | PB2250 / PB2240: XGA (1024 x 768) |
| **Aspect Ratio** | 4:3 Native, 16:9 Selectable |
| **Color** | Full 16.7 million color palette |
| **Lens** | PB2240 / PB2140: F=2.4 to 2.6, f=24.0 to 29.1 mm |
| | PB2250: F=2.4 to 2.6, f=18.6 to 22.7 mm |
| **Image Size (Diagonal)** | 22" to 300" |
| **Throw Ratio** | 60"@6.6 feet (60"@2m) |
| **Zoom Ratio** | Manual Zoom, 1.22:1 |
| **Lamp** | 200W, 2000/3000 hrs (Normal/Economic mode) |
| **Computer Compatibility** | 640 x 350 to 1280 x 1024 |
| **HDTV Compatibility** | 480p, 576p, 720p, 1080i |
| **Horizontal Frequency** | 20 ~ 88 kHz |
| **Vertical Scan Rate** | PB2240 / PB2140: 20 ~ 100 Hz |
| | PB2250: 20 ~ 85 Hz |
| **Video Compatibility** | NTSC, PAL, SECAM |
| **Input Terminals** | PC   Analog RGB: D-sub 15 pin x 1(shared) |
| | Component Video: D-sub 15 pin x 1(shared) |
| | A/V   S-Video: Mini Din 4 pin x 1 |
| | Composite Video: RCA x 1 |
| | Audio PC audio: Stereo mini jack x 1(shared) |
| | Video L/R Audio: Stereo mini jack x 1(shared) |
| **Output Terminal** | 1 Watt Speaker x 1 |
| **Control Terminal** | USB serial control: USB x 1 |
| **Power Consumption** | 265W (Max.., 80% at Economic mode) |
| **Audible Noise** | <36/33 dB (Normal/Economic mode) |
| **Dimensions (W x H x D)** | 9.4 x 3.4 x 7.1 inches (238 x 86 x 180mm) |
| **Weight** | 4.2 lbs (1.9 kg) |
| **Power Supply** | 100 to 240 VAC, 50 to 60 Hz |

The actual lamp life may depend on the surrounding environment. Conditions that may affect lamp life include altitude, temperature or rapidly switching the projector on and off.

| | |
|---|---|
| **On-Screen Display Languages** | English / French / German / Italian / Spanish / Korean / Simplified Chinese / Traditional Chinese / Japanese / Russian |
| **Preset Modes** | PC input:   • Presentation mode   • Vivid mode |
| | • Video mode   • Economic mode |
| | A/V input:   • Gaming mode   • Video mode |
| | • Cinema mode   • Economic mode |

| **Features** | |
|---|---|
| • Auto Vertical Keystone | • Progressive Scan |
| • Digital Keystone | • Mute |
| • Freeze | • Source Detection |
| • Blank | • HDTV Compatible |
| • Preset Modes | • Macintosh® Compatible |
| • Auto Synchonization | |

| **Accessories (Standard)** | |
|---|---|
| • User's Manual | • PC Audio Cable |
| • Quick Start Guide | • RCA L/R Audio Cable |
| • Manual CD | • PWR Cord (UK/US/EU) |
| • Warranty Information Booklet | • USB Cable |
| | • VGA Cable |
| • Remote Control | • Video cable |
| • 3-2 Converter | • S-video Cable |
| • Soft Carry Case | |

| **Accessories (Optional)** | |
|---|---|
| • Ceiling Mounting Kit | • Lamp Module |
| • Mac Adapter | • Presentation Pro |
| • VGA Component Cable | • Presentation Plus |

DLP™ technology by Texas Instruments offers crystal clear images with superior quality.

### Projection Size

| Distance (m) | 1 | 1.5 | 2 | 2.5 | 3 | 5 | 6.5 | 10 |
|---|---|---|---|---|---|---|---|---|
| 4:3 aspect ratio, Screen Size (inch) | 24"~30" | 37"~45" | 49"~60" | 61"~75" | 74"~90" | 123"~150" | 159"~195" | 245"~300" |
| 16:9 aspect ratio, Screen Size (inch) | 23"~28" | 34"~41" | 45"~55" | 56"~71" | 68"~83" | 113"~138" | 147"~179" | 226"~276" |

Dealer's Stamp

# The brilliant projector
# for **mobile presentation**

## PB2250 Digital Projector

| 2,200 ANSI Lumens | XGA 1024x768 | 1.9 kg | Contrast 2000:1 | 3,000 Lamp Hours |
|---|---|---|---|---|

# BenQ
*Enjoyment Matters*

# BenQ PB2250 Digital Projector Mobile Series

With a weight of 1.9kg, the BenQ PB2250 is the perfect projector for mobile presentations. This compact projector achieves, with a 2,200 ANSI-lumens, the best brightness in this weight class. The contrast ratio of 2,000:1 guarantees excellent projections with bright colors and deep blacks. For your business needs on-the-go, the BenQ PB2250 is both empowering and convenient.

*Bright Ideas Come in Small Packages*

## Perfect Mobility and Bright Performance

### 1. Brightness
Featuring a brightness of 2,200 ANSI-lumens, the BenQ PB2250 offers brilliant presentations for any meeting room.
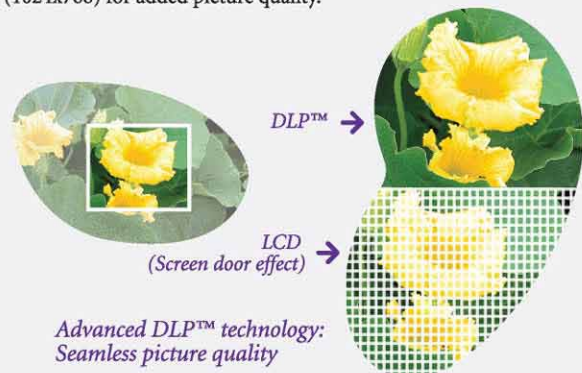
**2,200 ANSI Lumens**

### 2. True Color
The BenQ PB2250 employs a golden ratio color wheel that maximizes the purity of RGB prim colors, therefore achieving sRGB standards to provide true-to-life colors. With the BenQ PB2250, there will be no more color differences between the projected images and your products!

*Actual*     *sRGB*     *Non-sRGB*

### 3. Contrast
With a 2,000:1 contrast ratio, all diagrams and texts featured in your presentations will be sharp and clear.

*Ordinary Projector*     *PB2250*

*2000:1 Super High Contrast Ratio*

### 4. Clarity
Digital Light Processing technology (DLP™) provides seamless image quality that is smooth, brilliant and sharp, regardless of screen size. Furthermore, the BenQ PB2250 features native XGA resolution (1024x768) for added picture quality.

DLP™ →

LCD (Screen door effect) →

*Advanced DLP™ technology: Seamless picture quality*

### 5. Up to 3,000 hrs Lamp Hours
To provide added value and usability, the BenQ PB2250 incorporates lamps with a 3,000 hour life span.
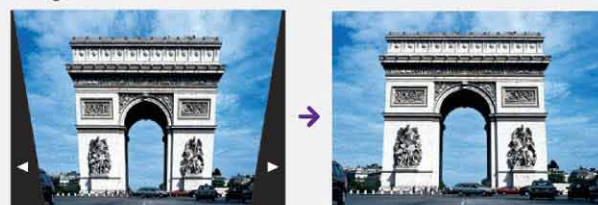
**3,000 Lamp Hours**

## Quick Start in 2 Steps

Start up has never been this easy. With the BenQ PB2250, just press "power" and "auto" to begin. The BenQ PB2250 makes your presentations more professional, easy and hassle-free!

### 1. "Auto" Hot Key- Auto Keystone & Auto Synchronize with one touch!
Auto hot keys let you adjust your projections to a perfect rectangular shape quickly, while also searching the input source at the same time. You can always project graphics and images exactly the way you like it in just minutes, no matter how the presentation environment changes.

**1** Power on     **2** AUTO

*Keystone Correction*

## Easy Use

### 1. Password protection function
The BenQ PB2250 is equipped with the password function that works to prevent the projector from being stolen and wrong operated. This function can also restrict the operation authority to specific users. Once the password is being set up, the projector will not project any input sources without entering the password.

**Password Setup**

Enter Password  [0] [0] [0] [0]

Press **Auto** to Confirm

Press ▲ or ▼ to change number

Press ◄ or ► to move

### 3. High Altitude Mode
The BenQ PB2250's High Altitude Mode is specially designed for extreme environment like high altitude or high temperature. The built-in T-flow cooling system comes with 4 sets of individual cooling fans for the lamp and DMD™ chip to make sure your projector running smoothly and stably in each harsh environment.
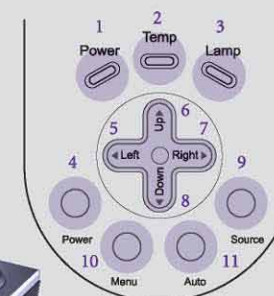
### 2. 8 sets of Preset Modes - The Best Performance for all Occasions
The BenQ PB2250 has built-in 8 sets of preset modes. With built-in 8 sets of preset modes, the PB2250 provided easy customization for all your applications. Whether for presentations, movie watching or gaming, the BenQ PB2250 offers the best images to meet your needs.

| Input Signal | Preset Mode | Applications | Brightness | Color Saturation | Contrast |
|---|---|---|---|---|---|
| PC Signal Input | Presentation | Presentation | ★★★ | ★★ | ★★★ |
| | Vivid | PC game/ Photoviewing | ★★ | ★★★ | ★★ |
| | Video (sRGB) | Movie video | ★★ | ★★★ | ★★ |
| | Economic | Reduce the power consumption by 30% and extend the lamp life with lower light output | ★ | ★★★ | ★★ |
| Video Signal Input | Gaming | Video game | ★★★ | ★★ | ★★★ |
| | Video | TV/ Movie | ★★ | ★★★ | ★★ |
| | Cinema | Cinematic movie | ★★ | ★★★ | ★★ |
| | Economic | Reduce power consumption by 30% and extend the lamp life with lower light output | ★ | ★★★ | ★★ |

### External Control Panel (Detail)

1  Power indicator
2  Temp indicator
3  Lamp indicator
4  Power
5  Left
6  Up
7  Right
8  Down
9  Source
10  Menu
11  Auto

### Input Terminals

1  S-Video Jack
2  Video Connector(RCA)
3  Rear IR Remote Sensor
4  USB Serial Control
5  Audio Jack (PC, L/R audio)
6  RGB Signal Input (PC/YPbPr/YCbCr)

S-Video     Video     D-Sub
USB     Audio