

# BenQ PB2240/PB2140 Digital Projector Mobile Series



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





Bright ideas come in  
small packages

Weighing 1.9 KG,  
the B5 class size  
projector is the ideal  
one for professionals  
on the go

For a successful businessman like you,  
traveling with the BenQ PB2240 is both  
empowering and convenient.

Its 2000 ANSI lumens bright image  
display comes with various easy-to-use  
features, which allow for an elaborate  
multimedia performance to make  
a lasting good impression.

Furthermore, the BenQ PB2240's  
B5 size is a little smaller than a usual  
file folder which makes it easy to travel  
with on the road. Vibrant images  
can be delivered in any environment  
at all times.



### Leading performance at brightness plus contrast ratio

When choosing projector, total performance is just  
as important as refined, single features can offer.  
Brightness plus contrast ratio result in the most clarity  
and brilliant images. The 2000 (Ansi Lumens) plus  
2000:1 (Contrast Ratio) leading performance in BenQ  
PB2240 sets a new standard for the mobile projector.



#### Brightness

Brightly lit rooms which hinder traditional  
mobile projectors' performance are not a problem  
to BenQ's PB2240. BenQ operates with the Digital Light  
Technologies (DLP™) to design the industry leading

**2,000  
ANSI Lumens**



brightness of 2,000 ANSI Lumens.

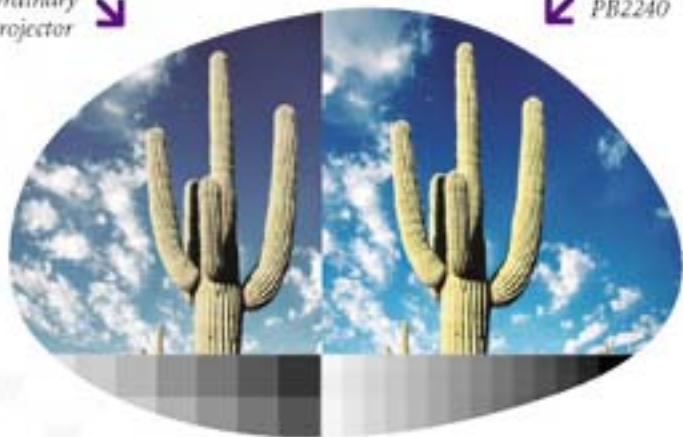
The "Off-Axis Optical System"  
and "Aspherical Glass Lens"  
work together to enhance  
the efficiency of optical system.  
Brightness stretches up to 2,000  
ANSI Lumens.

## Contrast

Not restricted by its size, the BenQ PB2240 brings extraordinarily high contrast ratio at 2000:1 to deliver all the image details precisely. You can project the presentation figures and charts in your notebook onto the screen with the exact fineness of details. Sharp color distinction brings forth black as onyx and white as snow, even the small fonts are projected as clearly as they look on your desktop screen.

Ordinary Projector ↘

↙ PB2240



2000:1 Super High Contrast Ratio

## True Color

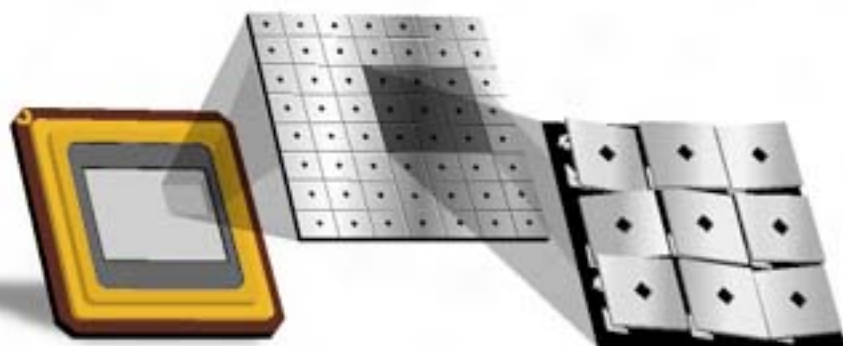
Each photo speaks more than a thousand words. With years of research and development, BenQ identified the golden ratio of color wheel by maximizing the intensity of the full range of visible light to match the special choose lamp's spectrum, to maximize the intensity in each visible colors.



Golden Ratio Color Wheel

## Clarity

The DLP™'s seamless image design enables BenQ PB2240 to give you brilliant and sharp images no matter how large the screen is. BenQ's unique Low Distortion Projection Lens helps to project clear image quality. Also, the native XGA resolution (1024 x 768) feature offers full screen details clearly.



DLP™ Technology

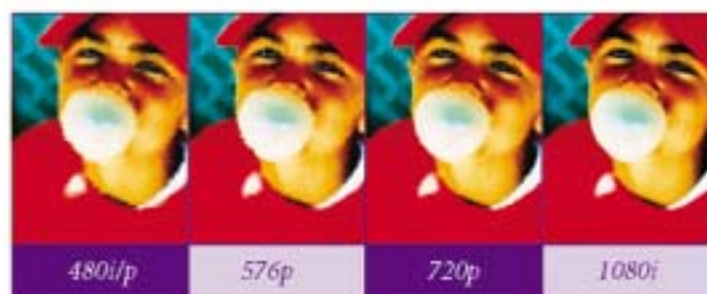


Ordinary Projector ↗

↖ PB2240 Progressive Scan

## Motion

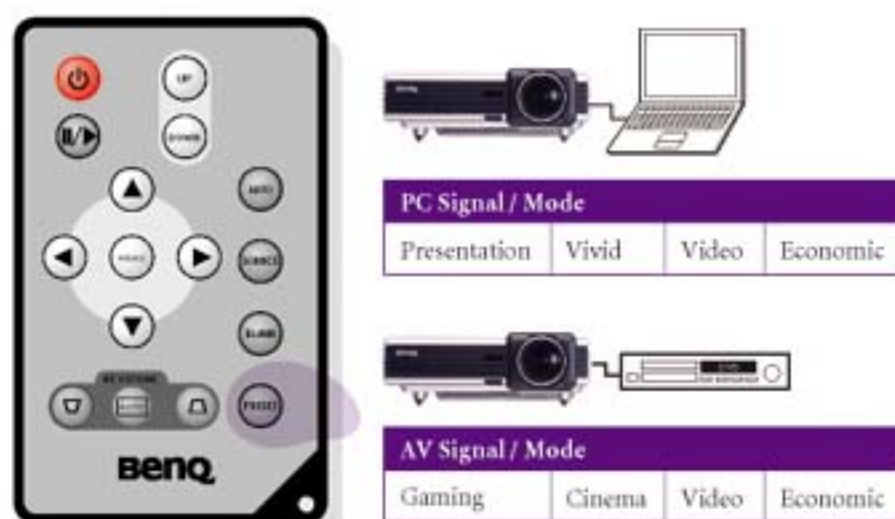
The latest DDP2000 DLP™ Control ASIC integrates de-interlace and scalar functions into the BenQ PB2240 to provide smooth motion images. It enables the BenQ PB2240 with Progressive Scan feature that upgrades interlaced video signals to progressive formats. Furthermore, the HDTV compatible feature completely presents a high resolution video quality which will touch your heart.



HDTV Compatibility video quality

## Easy-to-use features makes your presentation effective

BenQ PB2240 is an ultra-convenient mobile projector in which you can easily customize your image quality.



Pre-Set Modes

### Pre-Set Modes

BenQ PB2240's innovative pre-set mode helps you in bringing the best image quality suitable for different situations. "Presentation mode" is designed to enhance brightness for most presentation situations. An "Economic mode" is also available for extending lamp life and lowering noise. In addition, you have different choices for warm tone and cool tone when watching DVD movies.

## Out-of-box Presentation Plus

Presentation Plus is designed to free you from the desktop spot; you can walk around in the conference room to present to your audience while switching through images at the same time. This out-of-box design is simple and self-explanatory, therefore easy to pick up on how to use.



## Easy installation, setup and operation

Start-up has never been this easy! The 1-2-3 steps are intuitive for you to start presentation immediately. (1) Just turn on power, (2) Press "Keystone" to correct the image shape, (3) Press "Auto" for correct resolution rate, and voila! Your show begins.



Keystone Correction

## Auto Keystone Correction

Auto keystone correction helps you in adjusting a perfect rectangular shape quickly without much hassle, which means you can always project graphics and images exactly the way you like it to be. No matter how the presentation environments change.

## Lower Maintenance Cost makes most use of your budget

With BenQ PB2240, every penny of your money spends in the most efficient way.



### Up to 3,000 Lamp Hours

Some projectors are low-priced when purchased but there could be more maintenance costs contingent on its durability in the following years.

BenQ PB2240's up to 3,000 hours lamp

life is among the best performance in current projectors. On the other hand, the cost for technical support is among the lowest in its class.



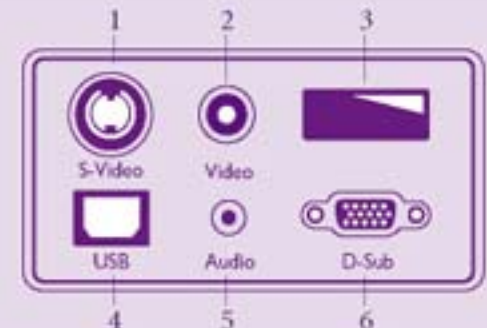
## DLP™'s reliable design

It's been proved that DLP™ projection system has longer and better picture quality. Unlike the common LCD projectors will start decaying in panel transparency from more than 1500 hours, DLP™'s picture quality can last longer without panel decay, provides you a long-lasting reliability in finest picture quality.



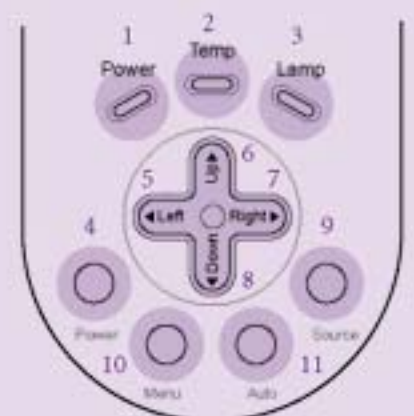
### Input Terminals

- 1 S-Video Jack
- 2 Video Connector
- 3 Rear IR Remote Sensor
- 4 USB Connector
- 5 Audio Jack
- 6 RGB Signal Input (PC/YPbPr/YCbCr)



### External Control Panel (Detail)

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



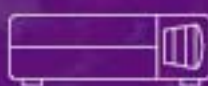
## Specifications

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

<b>On-Screen Display Languages</b>	English / French / German / Italian / Spanish / Korean / Simplified Chinese / Traditional Chinese / Japanese / Russian
<b>Preset Modes</b>	PC input: • Presentation mode • Vivid mode • Video mode • Economic mode A/V input: • Gaming mode • Video mode • Cinema mode • Economic mode
<b>Features</b>	• Auto Vertical Keystone • Progressive Scan • Digital Keystone • Mute • Freeze • Source Detection • Blank • HDTV Compatible • Preset Modes • Macintosh® Compatible
<b>Accessories (Standard)</b>	• User's Manual • PC Audio Cable • Quick Start Guide • RCA L/R Audio Cable • Manual CD • PWR Cord (UK/US/EU) • Warranty Information • USB Cable Booklet • Presentation Plus (PB2240) • Remote Control • VGA Cable • 3-2 Converter • Video cable • Soft Carry Case • S-video Cable
<b>Accessories (Optional)</b>	• Ceiling Mounting Kit • Lamp Module • Mac Adapter • Presentation Pro • VGA Component Cable • Presentation Plus (SVGA) • Wireless Pro
<b>Presentation Plus</b>	
<b>Dimension (L x W x H)</b>	90 x 40 x 22 (mm)
<b>Weight</b>	< 40g (with battery)
<b>Transmission Distance</b>	10m
<b>Key</b>	• Laser Key • Left Key • F5/ESC Key • Right Key • Blank Key
<b>Contents</b>	• RF Remote+Laser • User's Manual • RF Receiver (English/Traditional Chinese) • Battery • Pouch

\* 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.

### 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"

### Headquarters

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Dealer's Stamp

# BENQ

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