



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



BenQ PE5120 Home Entertainment Projector

My Very Own Private
Wide-screen Home Theater

BenQ
Enjoyment Matters

Thinking of inviting friends over for a movie-marathon, but not sure if your conventional 29-inch goggle box could simulate an ideal wide cinema screen for the discerning audience?

With the new PE5120 home entertainment projector, transforming your living room into a cozy home entertainment center is no longer an exhausting experience in time and money. Its sleek, clean and compact design complements any home ambience easily, and yet does not compromise its first-rate delivery. Be prepared to be stopped in your track when the spectacular spectrum of colors appears right in front of your eyes in 3-dimensional depth!



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True Visual Sensation : Enjoyment for the Eyes

Native 16:9 Wide Screen Ratio

The 16:9 ratio is the "golden" rule that governs the principles of human optics. This ratio conforms to ideal visual perception and clear comprehension of moving images. Unlike other emulated 16:9 wide-screen projectors, PE5120 provides a true 16:9 ratio without image cut-offs and distortions. For the first time, you can enjoy a true-to-life cinema-scope movie with your loved ones at the comfort of home! No hassle!

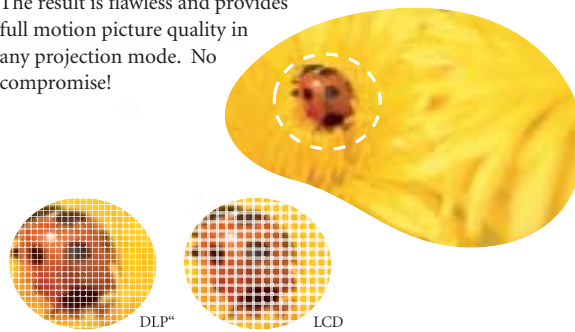


HDTV Compatible

PE5120 is capable of receiving 480p, 576p, 720p, 1080i digital frequency and thus supports many hi-definition TV systems. It provides natural, realistic and rich image projection for fun and entertainment. Planning to view a digitally re-mastered classic DVD this weekend? No problem!

DLP™ Quality

The DLP™ technology eliminates the "Screen door effect" inherent in conventional LCD technology today. It automatically fills up and compensates for the minute fine gaps between images seamlessly. The result is flawless and provides full motion picture quality in any projection mode. No compromise!



DLP™ : The gap between images is almost non-existent, hence, immaculate image quality
LCD : Large gaps between images, hence, unrefined image quality

True Color : See the Real Beauty in Color Spectrum

Perfect Golden Ratio in 5-segment Color Wheel

Based on extensive consumer research and exploration of the Photopic Vision Theory, BenQ redefined the parameters of the 7 primary colors (RGBYCMW) for the best human optical reception. To maximize color richness, saturation and accuracy in different layers, BenQ further engineered the 5-segment color wheel technology by adding a specifically built-in ratio in the YELLOW zone of the traditional 4-segment color wheel spread. This innovative approach allows PE5120 to project precise and optimum saturation in both the primary RGB and secondary YCMW color range. Hence, skin-tone, autumn leaves, metallic gold and other unusual color specifications in layers can be displayed in their full vivid spectrums.



BenQ 5-segment Color Wheel



Conventional 4-segment Color Wheel

Optimized Gamma Curve

Natural color image management is beyond color accuracy and saturation; it is a complicated calibration process of tones, hues and shades as well. Over the years, BenQ has painstakingly fine-tuned the varied, subtle and yet exuberant layers of color via the Optimized Gamma Curve for greater screen projection visibility, regardless of diverse lighting conditions. Simply, this unique system permits smooth transition of colors, from dark to light or vice-versa. Thus, resulting in the richest true-to-life color level ever!



True 3D Image Projection : See and Feel the New Dimension

Unlike the conventional projectors, BenQ PE5120's DLP[®] single focal point panel permits consistent high contrast of black and white, the two absolute and opposite colors. Through its precisely placed aperture and unique off-axis optics design, PE5120 reduces the residual effects of curved lightings and further enhances its overall contrast ratio to 2,000:1. With the combined efficiency of the Optimized Gamma Curve, the depth between the foreground and the background is now more natural and 3-dimensional. So look where you are going when the movie is on!

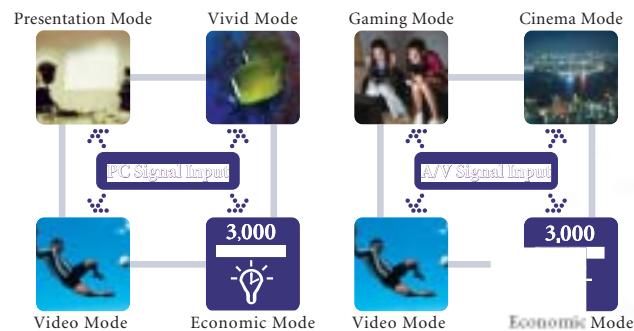
True to Life : True Enjoyment Comes with True Vision

1100 ANSI Lumens - Showtime Anytime, Anywhere

The exclusive Off-Axis Optical System and Aspherical Glass lens let the projection light of BenQ PE5120 be more focused. At the same time, the DMD chip intensifies light converging efficiency by boosting the brightness to 1100 ANSI lumens. In other words, you do not have to darken the room completely to enjoy a good movie!

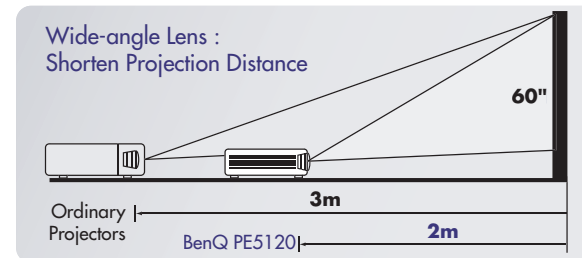
8 Easy Preset Modes - Enjoyment for All Occasions

The 8 selectable preset modes of BenQ PE5120 mean vivid projection at any setting, be it for gaming or watching a DVD. It is as easy as pressing the corresponding button. For example, enhanced projection brightness is automatically in-place in Gaming Mode. Video Mode is ideal for watching animation content while Cinema Mode is best for DVD viewing. To lengthen the lamp life to 3,000 hours, Economic Mode is the preferred energy-conserving projection.



60" Wide Screen - Experience Wide Eyed Amazement

BenQ PE5120's wide-angle lens can project a 60-inch cinematic screen at a distance of 2 meters effortlessly. Now, you have more time to prepare your popcorn!



26dB Whisper Quiet- Listen to the Sound of Silence

Equipped with the latest cooling system in the market, BenQ PE5120 decreases the rotation speed of the cooling fans and further reduces the noise to a whisper-quiet level of 26 dB! It recreates the perfect cinematic environment for your viewing pleasure. After all, we would not want any noise to distract you from enjoying a good movie. So remember to turn off your mobile phone as well!

True Origination of Source : Professional Digital Video Inputs

BenQ PE5120 home entertainment projector comprises a DVI-I, Component video, S-Video and Composite video input. They allow signals from a PC, DVD player, DV, PC game player or HDTV player to channel to the projector directly. These intelligent signal input ports minimize signal loss while achieving perfect image reproduction.



True Promises : Intelligent Energy Saving

Up to 3,000 Lamp Hours

BenQ PE5120 is not only one of the top performers in its category, but also prides itself on being one of the lowest in maintenance expenditure. In addition, it provides up to 3,000 hours of lamp life. Often, low-cost projectors mean high-cost service maintenance in their subsequent years. By contrast, PE5120 is almost maintenance-free for years to come.

Reliable DLP™ Projection

According to a picture reliability experiment conducted by RIT/Munsell Color Science Laboratory, most LCD projectors began experiencing image degradation at their 2,568 projection-hour. By comparison, DLP[®] projectors remained in their stable and optimum transparency stage even after 5,000 hours of runtime. Truly, BenQ PE5120's DLP[®] projection system is proven a trouble-free home entertainment must-have!



Sequence of photos are to compare the actual projected images from a DLP™ projector and an LCD projector. In this example, some loss of blue in the center of the LCD image is apparent at 2568 hours. Image degradation continues through the end of the test.

* The above experiment data is provided by the RIT/Munsell Color Science Laboratory.

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Projection System	DLP™ Technology by Texas Instruments	Output Terminal	N/A	Features	Digital Keystone
Panel	0.55" 480p DMD™ x 1	Control Terminals	USB Serial Control : USB x 1		Freeze
Native Resolution	WVGA (854 x 480)	Dimensions (W x H x D)	10.31 x 3.87 x 8.48 inches (262 x 98.4 x 215.5 mm)		Digital Image Adjustment
Brightness	1100 ANSI Lumens	Weight	6.4 lbs (2.9 kg)		Preset Modes
Contrast Ratio	2000:1	Power Supply	100 to 240 V AC, 50 to 60 Hz		Source Detection
Aspect Ratio	16:9 Native, 4:3 Selectable	Power Consumption	285W (Max, 80% at Economic mode)		HDTV Compatible
Color	Full 16.7 Million Color Palette	Audible Noise	<29/26 dB (Normal/Economic mode)		Macintosh Compatible
Lens	F=2.4 to 2.6, f=24.0~29.1 mm	On-Screen Display Languages	English/French/German/ Italian/Spanish/ Korean/Simplified Chinese/ Traditional Chinese/ Japanese/Russian		Accessories (Standard)
Zoom Ratio	Manual Zoom, 1.22:1	Preset Modes	PC Input : Presentation Mode Video Mode Vivid Mode Economic Mode*****		User's Manual
Image Size (Diagonal)	31" to 300"		A/V Input : Gaming Mode Video Mode Cinema Mode Economic Mode		Quick Start Guide*****
Throw Ratio	60"@6.6 feet (60"@2m)			Remote Control	
Lamp	200W, 2000/3000 hours (Normal/Economic Mode)			Battery	
Computer Compatibility	VGA (640 x 350) to SXGA (1280 x 1024)**			Deluxe Soft Carry Case*****	
HDTV Compatibility	480p, 576p, 720p, 1080i			Warranty Information Booklet	
Video Compatibility	NTSC, PAL, SECAM			Power Cord	
Horizontal Frequency	24 ~ 68 kHz			Video Cable	
Vertical Scan Rate	48 ~ 85 Hz			S-video Cable	
Input Terminals	PC : Analog RGB : DVI-I x 1 Digital RGB : DVI-I x 1 (HDCP) A/V : Component Video : RCA x 3 S-Video : Mini DIN 4 pin x 1 Composite Video : RCA x 1			VGA to DVI Cable	
				Accessories (Optional)	
				Ceiling Mounting Kit	
				Spare Lamp Kit*****	
				DVI Cable	
				Mac Adapter	

** DVI-A can support up to XGA (1024 x 768) resolution.

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