

BenQ Digital Projector



W9000

Specifications

Native Resolution	1080p (1920 x 1080)
Projection System	DLP™
Brightness	1200 ANSI lumens
Lamp	250W, 2000/3000 hours (Normal/Economic mode)
Contrast Ratio	8500:1
Weight	20.9 lbs (9.5kg)
Noise Level	25/23 dB (Normal/Economic mode) (TBD)
Resolution Support	480p, 720p, 1080i, 1080p
Dimension (WxHxD)	19.3 x 7.6 x 15.4 inches (492 x 195 x 393 mm)
Image Size	35" to 300"
Throw Ratio	100" @4m (100" @13.12 feet)
Screen Width Ratio	2.0 to 2.3:1
Throw Distance	Min: 2.00m; Max: 8.00m
Zoom Ratio	1.15: 1
Lens	F=2.4-2.8 f=32.1 (wide) - 43 (tele) mm
Color	Full 16.7 million color palette
Aspect Ratio	Anamorphic/ 4:3/ Wide/ Letter Box/ Real screen selectable
Horizontal Frequency	15-75 KHz
Vertical Scan Rate	50-100 Hz
Projection Position	Front/Rear, Table/Ceiling
Input Terminals (PC)	Analog RGB: BNC x 3
Input Terminals	Analog RGB: BNC x 5 (shared) Digital: HDMI (with HDCP) x 1 Composite Video: RCA x 1 S-Video: Mini DIN 4 pin x 1 Component Video 1: RCA x 3 Component Video 2: BNC x 3 (shared)
Output Terminals	12V Out x 1
Control Terminals	RS232: 8 pin MINI DIN x 1
Video Compatibility	NTSC/PAL/SECAM
Auto Switching Power Supply	100 to 240 VAC, 50 to 60 Hz
Power Consumption	Max 370W
On-Screen Display Language	English/French/German/Italian/ Spanish/Japanese/Russian/Dutch/ Simplified Chinese/Traditional Chinese
Preset Modes/Application Modes	Cinema Mode Home Theater Mode Family Room Mode Photo Mode Gaming Mode
Functions	• TI Darkchip2 DMD • Professional AV input (HDMI) • HDTV compatible (YPbPr) • Dust Proof with Air-Filter • Powered Vertical Lens Shift/ • Focus/ Zoom • Faroudja DCDi processing • BenQ Senseye™ technology • PIP, POP • User memory setting • Motorized IRIS adjustment • 3D Color Management • Full HD
Accessories (Standard)	User's manual Safety Manual Remote control Batteries Micro Dust Filter Power Cords Component Cable Cable panel-connector cover

Accessories (Optional)



Ceiling mounting kit
(5J12K01.001)

Spare lamp kit
(59J0B01.CG1)

VGABNCx3 cable
(59J0C19.501)

Micro dust filter
(6K10B41.001)

Remote control
(5F26J0B.001)

Headquarters
BenQ Corporation
Digital Media Business Group
157 Shan-Ying Rd., Gueshan
Taoyuan 333, Taiwan, R.O.C.
Tel: +886-3-359-5000
Fax: +886-3-359-9000

BenQ America Corp., Latin America Region
8750 NW 36th Street, Suite 200,
Miami, FL - 33178, U.S.A.
Tel: +1-305-421-1200
Fax: +1-305-421-1201
+1-305-421-1202

America
BenQ America Corp.,
53 Discovery, Irvine,
CA 92618, U.S.A.
Tel: +1-949-255-9500
Fax: +1-949-255-9600

Europe
BenQ Europe B.V.,
Ekkersrijt 4130, 5692 DC
Son, The Netherlands
Tel: +31-499-750-500
Fax: +31-499-750-599

Asia Pacific
BenQ Asia Pacific Corp.,
16 Jhu Road, Neihu,
Taipei 114, Taiwan, R.O.C.
Tel: +886-2-2799-8800
Fax: +886-2-2659-1959

China
BenQ (IT) Co., Ltd.,
268 Shi-Shan Road,
Suzhou 215011, China
Tel: +86-512-6807-8800
Fax: +86-512-6824-1351

BenQ
Enjoyment Matters

W10000 & W9000 Digital Projector Home Cinema Series



Bring out the best in home movie viewing



BenQ
Enjoyment Matters

Optimize your viewing experiences



Superior picture quality

- Optimized day and night modes

Obtaining professional results is easy with the Imaging Science Foundation's highly reputed ISFccc® calibration service. ISF technicians help to configure calibrated settings according to your own lighting conditions during installation. Your personal settings include two optimized modes-- ISF Day and Night mode--for a viewing experience that is pure pleasure.



Show movies in all their full-screen glory

- Panamorph™ lens-compatible

The W10000/W9000 is compatible with Panamorph™ lenses that allows you to show 2.35:1 aspect format video - such as major studio movies - in their original widescreen format at maximum resolution and without distortion or letterboxing. Best of all, one press on a button on the remote control is all it takes.



Enjoy pro-quality video

- 1080p/24fps support

The W10000/W9000 is one of the very few projectors fully supporting the 1080p/24fps standard, for HD video at 24 frames per second—the format for professional movie filming, production and editing, and used in Blu-ray disc players. Now you can have it in your home, the same high-quality video professionals work with.



Contrast Enhancement

- High contrast, fine viewing

A difference as plain as black and white

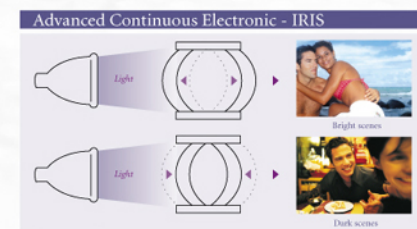
Senseye™ Contrast Enhancement technology takes the contrast (10000:1 in the W10000) far beyond the 2000:1 ratio by automatically adjusting the bright and dark areas of an image separately enabling an excellent contrast.

As responsive as the human eye

Advanced Continuous Electronic IRIS mimics the human eye's own iris by varying the lens aperture, to filter a scene's lighting and by rendering the same sense of realism as movies at a cinema, regardless of a scene's lighting.

Getting detail back in dark scenes

Texas Instruments' DarkChip provides the latest in digital micromirror device (DMD) technology to boost image contrast and thereby restoring details in dark-lit scenes.



Clarity Optimization

- Crystal-clear picture quality

Bring out all the details

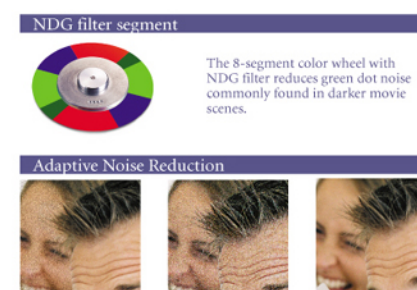
Senseye™ Clarity Optimization makes even the finest details in a screen image crystal-clear by stringently eliminating any sources of degraded picture qualities.

Sophisticated image noise reduction

Senseye™ Clarity Optimization detects image noise and applies targeted adaptive noise reduction so no over-sharpening or clarity loss occurs.

Advanced color wheel and high-res lens

An eight-segment color wheel with advanced neutral density green (NDG) filter minimizes green dot noise, while a high-resolution lens produces crisper images at the pixel level.



Color Enhancement

- Accurate colors

Let movies show their true colors

Senseye™ Color Enhancement accurately reproduces the subtlest hues, such as natural pastels and skin tones, to provide spectacular, true-to-life colors.

3D color management

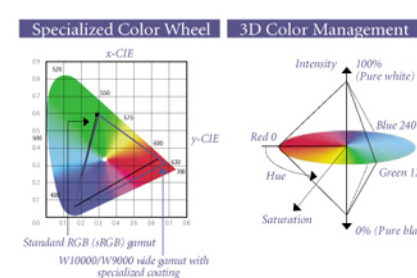
3D color management technology corrects hue and saturation levels to their optimum values, while adjusting color intensity for natural-looking visuals.

Special color wheel coating

A special coating used on the projector's color wheel results in better saturation for red and blue than in the standard sRGB color space without sacrificing green.

10-bit color processing

The 10-bit color processing enables the W10000/W9000 to render more than a million distinct colors, while color layers are adjusted to provide the enhanced the image quality and the latest in adaptive de-interlacing for a stunning video performance.



Motion Optimization

- Ultra-smooth video

Like you're seeing it live

The W10000/W9000 uses Senseye™ Motion Optimization to eliminate the stair-stepping effects that typically plague video performance with projectors.

Eliminate the "jaggies"

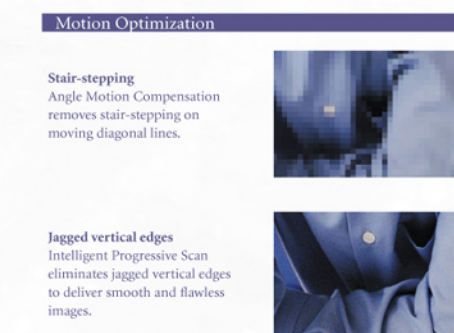
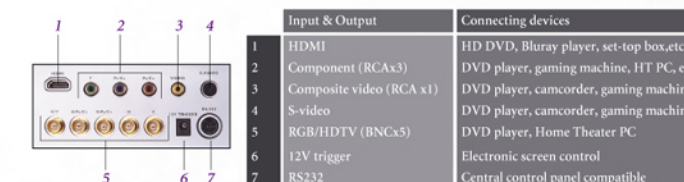
Senseye™ Motion Optimization converts scan signals from interlaced to progressive to smooth video playback and eliminate jaggies from diagonal lines.

Intelligent Progressive Scan

Intelligent Progressive Scan analyzes the dynamic and static areas of a screen, then processing the areas independently to create smoother motion.

An Enjoyment Epicenter

The W10000/W9000 is designed with every possible connection in mind. You can connect any device for maximum digital pleasure.



Features - More powerful features of the W10000 & W9000

- Super high resolution lens with motorized zoom/ focus and lens shift**
 - High resolution lens (60 light pairs) achieve 1.5 times of the industry standard (40 light pairs).
 - Motorized zoom/focus and lens shift adjustments bring ease of use to customers.
- Tunnel-like Silencer**
 - Significantly lowers the noise level to whisper quiet (23 dB).
 - Effectively prevents the light leakage from within the projector.
- Full HD 1080p Chip**
 - Native 1920 x 1080 resolution compatible with Full High-Definition contents.
 - DarkChip™ technology helps deliver 10000:1 & 8500:1 super high contrast.
- Continuous Electronic IRIS**
 - Electronic IRIS controls the "Light Volume" going through the engine by adjusting the aperture opening.
 - Pair up with the DarkChip™ to achieve ultimate high contrast.
- Advance Thermal Design**
 - Side air intake and front exhaust allow more flexibility during installation.
 - No annoying hot air to upset the user's cinema viewing pleasure.
- Golden Ratio 8-Segment Color Wheel**
 - Golden Ratio (R₂B₂NDG₂R₂G₂B₂NDG₂) for perfect color reproduction.
 - NDG (Neutral Density Green) segments eliminate green noises that are most visible to human eyes.