



Specifications

Native Resolution	WXGA (1280 x 768)	Output Terminals	PC Analog RGB, D-sub 15 pin x 1 L/R audio - RCA x 1 set
Projection System	DLP®	Computer	VGA (640 x 480) to
Brightness	3500 ANSI lumens (SP830); 4000 ANSI lumens (SP831)	Compatibility	UXGA (1600 x 1200)
Lamp	300W, 3000/4000 hours (Normal/Economic mode)	Speakers	2 Watt Speaker x 2
Contrast Ratio (F0.0)	2000:1	Control Terminals	USB Connector (USB x 1, Type mini B) Serial Connector (RS232 8 pin MINI DIN) Wire Control: Mini jack x 1
Weight	10 lbs (4.3 kg)	Video Compatibility	NTSC/PAL/SECAM
Noise Level	54/32 dB (Normal/Economic mode)	Auto Switching	100 to 240 VAC, 50 to 60 Hz
Resolution Support	640 x 480 to 1600 x 1200	Power Consumption	Max 450W
Dimension (WxHxD)	14.7 x 4.6 x 11.3 inches (373 x 113 x 277 mm)	On-Screen Display	Garb, Dutch, English, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Chinese, Spanish, Swedish, Thai, Traditional Chinese, Turkish (17 languages)
Image Size	25" to 300"	Reset Modes/ Application Modes	PC Input, Presentation mode, DVI Input mode, Cinema mode, Dynamic mode, sRGB mode, Cache/Reset/Zoom3, A/V Input, Cinema mode, Dynamic mode, Standard mode, Blackout mode
Throw Ratio	1.36 to 1.81:1	Functions	Split Screen, Roll Back, Color (RGB), Independent color management, Oversampling DVI (HDCP support), My Screen 3D Keystroke, Auto Off Power Function, HIS TV CompaT (only for all zoom), 3 User Mode/Parent Key Lock, Sleep Timer / Background Color, Digital Screen Shift, Signal Shutter (Optional)
Throw Distance	Min: 1.00m Max: 16.4m	Accessories (Standard)	User's manual / Quick Start Guide, Manual CD / Remote Control / Banner for R/C, VCA Cable, Tower and Spine, Jockey Kit / Signal Shutter
Keystone Adjustment	Vertical +/- 40 degrees Horizontal +/- 30 degrees	Accessories (Optional)	Universal ceiling mount / Presentation Stand
Zoom Ratio	Manual Zoom: 1.4:1		
Lens H Number	f=2.4 to 2.56, f=22.32 to 26.06 mm		
Color Wheel	6 segment, 35000Hz, Speed 12K, 2V		
Color	107 Billion		
Aspect Ratio	15:9 Native		
Horizontal Frequency	24-82 kHz		
Vertical Scan Rate	48-96 Hz		
Projection Position	Front / Rear, Table / Ceiling		
Input Terminals	Analog RGB D-sub 15 pin x 1 (DVI-D, HDCP support) BNC x 1 A/V Component Video RCA x 1 set S-Video Mini Den 4 pin x 1 Composite Video RCA x 1 PC audio: stereo mini jack x 2 L/R audio - RCA set x 1		

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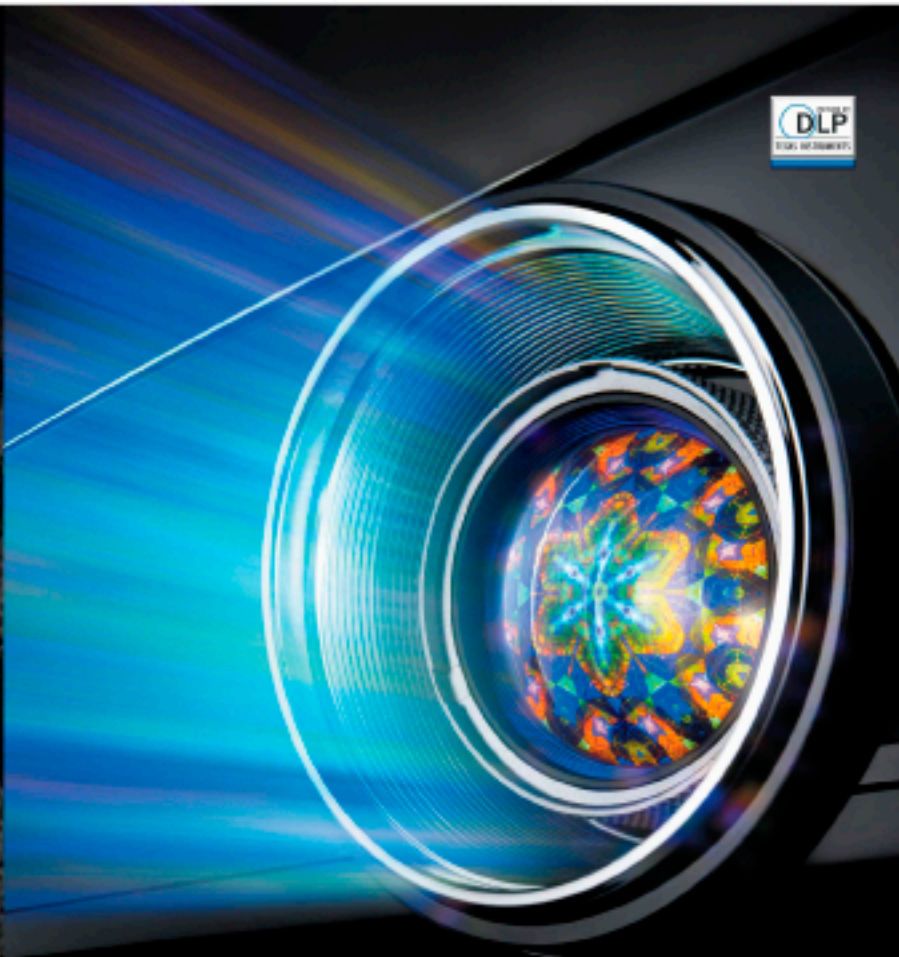
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Dealer's Stamp

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Enjoyment Matters

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Best Big Visual Experience

Take presentations to a whole new level with the new BenQ SP830/831 data projectors. Made for any auditorium, colors and details are delivered with crystal-clear smoothness that'll even make video projectors blush. Plus, with its unique technology and brightness to spare at 3,500/4,000 stunning ANSI lumens, these WXGA projectors will never leave your audience in the dark.

Colors so vivid, it's simply mesmerizing



BenQ
Enjoyment Matters

The BenQ SP830/831 Projector

Best Visual Experience

HQV

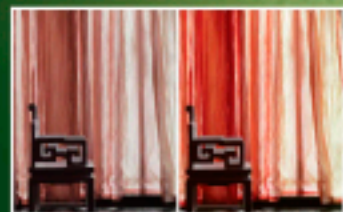
10 bit color — Instead of using 8-bit technology with only 16 million colors, the SP830/831 are able to process a full 10 bit of color data to distinguish and display more than 1 billion colors. The pictures are more lifelike and the color precision is better than ever.



Chroma & Luma Transition Enhancement — Color video signals such as NTSC, PAL or SECAM types all have luminance (luma) and chrominance (chroma) components. As the chroma signal bandwidth is usually narrower than luma signal bandwidth, color edges changes occur much slower than luma edges changes. In other words, a chroma signal transition occurs fairly slower than a luma signal transition. Consequently, chroma signal edges/transitions usually appear degraded. With Chroma & Luma Transition Enhancement, the SP830/831 sharpen the chroma signal transitions to give you razor-sharp video signals with no distracting picture blur.



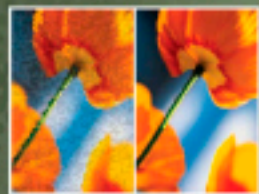
BrilliantColor™ — True beauty comes from within. The revolutionary BrilliantColor™ enables higher brightness levels by boosting mid-tone colors - guaranteeing your presentations are more vibrant and precisely rendered.



Independent Color Management — See colors the way they're meant to be. Through the power of 6 independent color adjustments, you can precisely fine-tune saturation levels of even a single color in any image.



Independent Color Management



Without HQV With HQV - Noise Reduction

Noise Reduction — Via a temporal noise filter, several frames are evaluated at once. Pixels that give rise to visual noise are then instantly identified and eliminated. Distortion resulting from too much compression is also corrected.



Detail Enhancement — Whether you're looking at moving or static images, the HQV Detail Enhancement technology identifies any blurred areas before processing and wiping them away. Contrast is then added automatically to making details stand out clearly.

WXGA (1280 x 768) — Don't just make a presentation, make an instant impact. With resolution this high, deliver presentations in widescreen with sharper images that not only wow your audience, but also stays true to what you see on your laptop.



Normal Size WXGA 16:9

3,500 / 4,000 ANSI Lumens — Never worry if you can't always be guaranteed a dark room. The lumens generated from the SP830/831 is so bright, it's more than enough to highlight your presentations.

Convenient Features

Split Screen — With a simple touch of a button, there's no fumbling around to show two presentation files simultaneously and clearly.



Digital Zoom — Want to really go into detail? There's no problem with the digital zoom. You can zoom in real close up.



Digital Zoom

Offline Cooling — Simply unplug and pack up after each presentation. The built-in circuit system allows the cooling fan to continue operating even after it is unplugged.

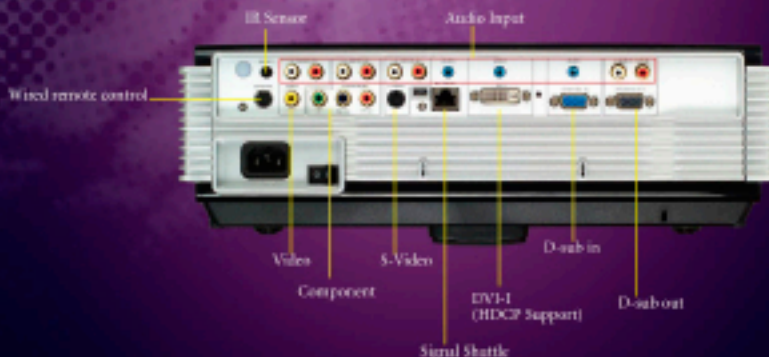
2D Keystone — If it isn't possible to align the projector correctly with the screen, don't despair. You can adjust the shape of the projected image to ensure straight lines on all four sides.



2D Keystone

High Compatibility

100M Signal Shuttle — The distance between the projector and computer can be 100 meters apart without pictures deteriorating - making sure nothing comes between you and your presentation.



Various Inputs — BenQ projectors are designed with you, the user, in mind. That's why you'll find, along with the clever features, multiple connecting devices for maximum compatibility.