



Colors so vivid, it's simply mesmerizing



HQV

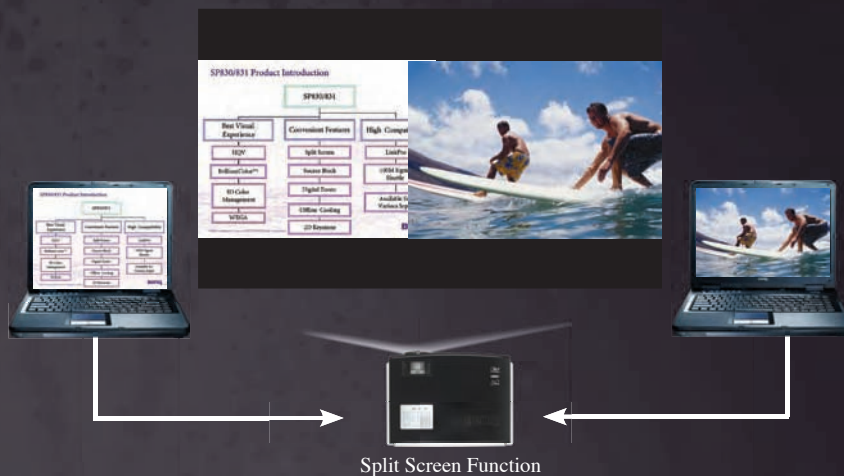
The BenQ SP830/831 Projector

**BenQ**  
Enjoyment Matters



# Split Screen

Double your presentation impact with impressive twin screen capability. One-touch convenience enables simultaneous projection of two different sources for video and still images.



## Hollywood Quality Video™ Technology



Conventional 8-bit processing BenQ 10-bit processing

Driven by HQV Technology, standard definition video is transformed! Content is de-interlaced, noise is reduced and images are elevated to HD quality through resizing and scaling up to 6 times. Independent pixel processing, true 10-bit color and independent color management deliver astounding image precision, color and clarity.

### 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 (FOFO)	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 (4.5 kg)	Video Compatibility	NTSC/PAL/SECAM
Noise Level	34/32 dB (Normal/ Economic mode)	Auto Switching	100 to 240 VAC, 50 to 60 Hz
Resolution Support	640 x 480 to 1600 x 1200	Power Supply	Max 450W
Dimension (WxHxD)	14.7 x 4.6 x 11.1 inches ( 375 x 115 x 277 mm)	On-Screen Display	Czech/ Dutch/ English/ French/ German/ Italian/ Japanese/ Korean/ Polish/ Portuguese/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Thai/ Traditional Chinese/ Turkish (17 languages)
Image Size	25" to 300"	Language	
Projection Ratio	58" @ 6.6 feet (58" @ 2m)	Preset Modes/ Application Modes	PC Input: Presentation mode, Blackboard mode, Cinema mode, Dynamic mode, sRGB mode, User1/User2/User3, A/V Input: Cinema mode, Dynamic mode, Standard mode, Blackboard mode
Throw Ratio	1.56 to 1.81:1		
Throw Distance	Min: 1.00m; Max:10.34m		
Keystone Adjustment	Vertical +/- 40 degrees; Horizontal +/-30 degrees		
Zoom Ratio	Manual Zoom, 1.16:1		
Lens F/Number	F=2.4 to 2.58, f=22.32 to 26.06 mm		
Color Wheel	6 segment, RYGBW, Speed(2X,2X)		
Color	1.07 Billion	Functions	Spilt Screen/ Brilliant Color/ HQV™/ Independent color management/ Offline cooling/ DVI (HDCP support)/ My Screen/ 2D Keystone / Auto Off Password Function/ HD TV Compatibility/Digital Zoom/ 3 User Mode/ Panel Key Lock Sleep Timer / Background Color/ Digital Screen Shift/ Signal Shuttle (Optional)
Aspect Ratio	15:9 Native		
Horizontal Frequency	24-82 kHz		
Vertical Scan Rate	48-85 Hz		
Projection Position	Front/ Rear, Table/ Ceiling		
Input Terminals	Analog RGB: D-sub 15 pin x 1 DVI-I (HDCP support) RJ45 x 1	Accessories (Standard)	User's manual / Quick Start Guide/ Manual CD / Remote Control / Batteries for R/C/ VGA Cable/ Power cord
	A/V Component Video: RCA x 1 set S-Video: Mini Din 4 pin x 1 Composite Video: RCA x 1 PC audio : stereo mini jack x3 L/R audio = RCA set x 3	Accessories (Optional)	Universal ceiling mount/ Presentation Plus/ Spare Lamp Kit / Signal Shuttle

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