

# BenQ Digital Projector



## SP831/SP830

Projection System	DLP™ technology by Texas Instruments®	
Panel	WXGA LVDS DMD™ x 1	
Native Resolution	WXGA (1280 x 768)	
Brightness	SP831 <b>4000</b> ANSI lumens / SP830 <b>3500</b> ANSI lumens	
Contrast Ratio	2000:1 (Full on/Full off)	
Aspect Ratio	15:9 Native	
Color	1.07 billion color palette	
Lens	F=2.4 to 2.58, f=22.32.4 to 26.06 mm	
Zoom Ratio	Manual Zoom, 1.16:1	
Image Size (Diagonal)	25" to 300"	
Throw Ratio	1.56 to 1.81:1 (58"@2m)	
Lamp	300W, 3000/4000 hours (Normal/Economic mode)	
Computer Compatibility	VGA(640 x480) to UXGA(1600 x 1200)	
HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	
Video Compatibility	NTSC, PAL, SECAM	
Horizontal Frequency	24-82 kHz	
Vertical Scan Rate	48-85 Hz	
Input Terminals	PC	Analog RGB: D-sub 15 pin x 1 DVI-I (HDCP support) RJ45 x 1 (for Signal Shuttle only)
	A/V	Component Video: RCA x 1 set S-Video: Mini Din 4 pin x 1 Composite Video: RCA x 1
	Audio	PC audio: Mini jack x 3
Output Terminal	PC	Analog RGB: D-sub 15 pin x 1
	Audio	2 Watt Speaker x 2 RCA x 1 set
Control Terminal	USB Connector : USB x 1, Type mini B Serial Connector : RS232 8 pin MINI DIN Wire Remote Control: Mini jack x 1	
Dimensions(L x W x H)	14.7 x 4.6 x 11.1 inches ( 375 x 115 x 277 mm)	
Weight	10 lbs (4.5 kg)	
Power Supply	100 to 240 VAC, 50 to 60 Hz	
Power Consumption	Max 450W	
Audible Noise	34/32 dB (Normal/Economic mode)	
On-Screen Display languages	English/ French/ German/ Italian/ Spanish/ Russian/ Traditional Chinese/ Simplified Chinese/ Japanese/ Korean/ Swedish/ Dutch/ Turkish/ Czech/ Portuguese / Thai/ Polish	
Picture Modes	<b>PC Input:</b>	<b>A/V Input :</b>
	Presentation Mode	Cinema Mode
	Blackboard Mode	Dynamic Mode
Functions	Cinema Mode	Standard Mode
	Dynamic Mode	Blackboard Mode
	sRGB Mode	User1/ User2/ User3
Accessories (Standard)	User1/User2/User3	
	Split Screen	MyScreen
	PIP/ PAP	Background Color Selection
	HQV™	Digital Zoom
	Independent Color Management	Digital Screen Shift
	Brilliant Color™	2D Keystone
	5 Present Modes	Auto Off
	3 User Modes	Sleep Timer
	Password Function	Off & Go (Offline Cooling)
	Panel Keypad Lock	Signal Shuttle (Optional)
Accessories (Optional)	DVI(HDCP support)	Attachable Lens (Optional)
	HD TV Compatibility	
	User's manual	Batteries for R/C
Accessories (Optional)	Quick Start Guide	VGA Cable
	Manual CD	HDTV (Y/Pb/Pr) cable
	Remote Control	PWR Cable
Accessories (Optional)	Ceiling Mounting Kit	Presentation Plus
	Spare Lamp Kit	Signal Shuttle
	Attachable Lens	

### HIGHLIGHTS

- **4000/3500 ANSI Lumens**
- **WXGA Native Resolution**
- **2000:1 High Contrast Ratio**
- **Split Screen**
- **PIP/ PAP**
- **MyScreen**
- **Independent Color Management**
- **Digital Screen Shift**
- **DVI(HDCP support)**
- **HDTV Compatibility**
- **Off & Go(Offline Cooling)**
- **2D Keystone**
- **Background Color Selection**
- **Sleep Timer**
- **5 Present Modes/ 3 User Modes**
- **Password Function**
- **Panel Keypad Lock**
- **Signal Shuttle(Optional)**
- **Attachable Lens(Optional)**

