

# BenQ Digital Projector

## SP870 Specifications

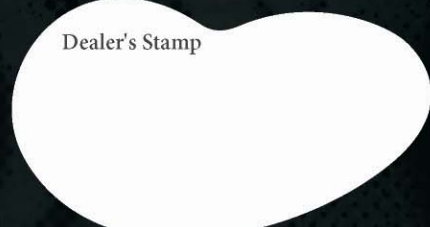
Projection System	DLP® Technology by Texas Instruments	
Native Resolution	XGA (1024 x 768)	
Brightness	5000 ANSI Lumens	
Contrast Ratio	2000:1 (Full on/Full off)	
Aspect Ratio	4:3 Native, 16:9 Selectable	
Color	Full 16.7 million color palette	
Lens	F=2.4-2.7, f=38.87-46.63mm	
Zoom Ratio	Manual Zoom, 1.15:1	
Image Size (Diagonal)	40" to 300"	
Throw Ratio	60"@2M (60"@6.6 feet)	
Keystone Adjustment	Vertical +/- 25 degrees	
Color Wheel	5 segment, RYGBW, Speed (2X, 2X)	
Lamp	360W, 2000/3000 hours (Normal/Economic mode)	
Resolution Support	640 x 480 to 1280 x 1024	
Computer Compatibility	VGA (640 x 350) to SXGA (1280 x 1024)	
HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i	
Video Compatibility	NTSC, PAL, SECAM	
Horizontal Frequency	31-93 KHz	
Vertical Scan Rate	48-85 Hz	
Input Terminals	PC	Analog RGB: D-sub 15 pin x 1
	A/V	Component Video: RCA x 3
		S-Video: MINI DIN 4 pin x 1
		Composite Video: RCA x 1
DVI-D (HDCP support) x 1		
Audio	Stereo MINI Jack x 1	
Output Terminals	PC	12V Trigger
	Audio	D-sub 15 pin X 1
Control Terminals	Audio	2 Watt Speaker x 2
	Serial Connector	RS232 8 pin MINI DIN
	USB Connector	USB x 1 (Type mini B)
	Wired Remote	Jack x 1

Dimensions (W x H x D)	375 x 115 x 277 mm (14.8 x 4.5 x 10.9 inch)	
Weight	4.9 kg (10.9 lbs)	
Power Supply	100 to 240 VAC, 50 to 60 Hz	
Power Consumption	Max 510W	
Audible Noise	36/33 dB (Normal/Economic mode)	
On-Screen Display Languages	English/ French/ German/ Italian/ Spanish/ Russian	
	Traditional Chinese/ Simplified Chinese/ Japanese	
Picture Modes	Korean/ Swedish/ Dutch/ Turkish/ Czech/ Portuguese	
	Thai/ Polish	
Functions	PC Input:	A/V Input:
	Dynamic Mode	Dynamic Mode
Accessories (Standard)	Presentation Mode	Standard Mode
	sRGB Mode	Cinema Mode
Accessories (Optional)	Cinema Mode	User 1/User 2 Mode
	User 1/User 2 Mode	
Accessories (Optional)	3D Color Management	Wall Color Correction
	Quick Auto Search	BrilliantColor™
Accessories (Optional)	Time Controller	Blank (ECO Mode)
	Presentation Timer	Quick Cooling
Accessories (Optional)	Power On/Off Ring Tone	Auto Off
	Panel Key Lock	Security Password
Accessories (Optional)	Resolution Reminder	My Screen
	11 Sets of Picture Mode	HDCP Compatible
Accessories (Optional)	"Q" Hot Key for FAQ	HDTV Compatible
	Freeze	12V Trigger
Accessories (Optional)	Lamp Care	High Altitude Mode
	User's Manual	Remote Control
Accessories (Optional)	Quick Start Guide	Batteries for R/C
	Manual CD	VGA Cable / PWR Cord
Accessories (Optional)	Ceiling Mounting Kit	Spare Lamp Kit
	Presentation Plus	

## BenQ SP870 High Brightness Projector

**SP870 Projection size (max. Zoom)**

Distance (m)	1	1.5	2	2.5	3	5	6.5	10
4:3 aspect ratio, screen size (inch)	30	45	60	75	90	150	195	300
16:9 aspect ratio, screen size (inch)	27.6	41.3	55.1	68.9	82.7	137.8	179.1	275.6



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**BenQ**  
Enjoyment Matters

The BenQ SP870 Projector



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### SP870 High Brightness Projector



# SP870 High Brightness Projector

The era of "lights-on" presentations has arrived! Get ready to brighten your presentations with 5000 ANSI lumens. Let the BenQ high brightness projector bring you the light you need for your business meetings.

## Enjoy Projecting with the Lights On

**The Brightest Projector with 5000 ANSI Lumens**

BenQ's SP870 projector is the brightest choice for all your meetings. Light and compact with 5000 ANSI lumens high brightness and 2000:1 high contrast ratio, the BenQ SP870 will put the shine on you and the smile on your audience every room every time!



**The BenQ SP870 allows you to keep the lights on in all of your meetings. You'll never have to suffer from dark rooms like you did with others' projectors again.**

## Enjoy the Liveliest Colors with Up-to-Date Technology

**Bring the Colors of the World to Life**

Made in collaboration with the advanced BrilliantColor™ Technology from Texas Instruments, BenQ's unique golden ratio 5 segments color wheel gives you the truest, liveliest color ever.



**Better Color Management for Better Personal Viewing**

The built-in 3D color management technology gives you the pleasure of adjusting the color intensity with the independent control of six colors' (R/G/B/C/M/Y) hue, gain, and saturation levels.



## It Has Everything that You Can Think Of

- Wall Color Correction**  
BenQ has studied the world's most commonly used paint colors and developed an easy-to-use wall color correction technology that will ensure you precise color performance on all surfaces.
- Presentation Timer**  
The preset on-screen messages or audible beeps keep you on the right track! Now, you'll be making eye contacts with your audience instead of your watch.
- Lamp Care**  
The SP870 can detect the bulb temperature automatically making sure the temperature is cool enough before it allows the lamp to power up.
- Panel Key Lock**  
Use the control console or the remote to press the lock-key and be safe from accidentally pushing the wrong buttons. Now, you'll be safe from having your presentation disappear from view!
- Power On / Off Tone**  
Let the built-in alerts tell you when to start projecting and when to pack things up. Enjoy talking with your audience at ease!
- Quick Auto Search**  
The SP870 automatically searches for and routes your presentation in 2 seconds allowing you to present whenever you are ready.

**Multi-Function Interface**

A Rear IR sensor B Wire remote C RS-232 D USB (mini B type) for page up/down  
E DVI-D input (Support HDCP) F D-sub input: analog RGB/Component  
G 12V trigger H D-sub output I Component in Y/Pb/Cb Pr/Cr  
J Basic video input: composite/ S-video K Audio input

**Full Function Remote Control**

11 picture modes  
Image capture for start-up-screen  
Menu/Exit: access the OSD and returns from OSD  
Blank: hide image  
Laser pointer  
Presentation timer setup  
Brightness adjustment  
Contrast adjustment  
Enter: confirm  
Source: source detection  
Arrow key: hot keys for keystone, FAQ and panel key lock/ arrow keys  
Digital zoom hot key  
Page up/down hot key