



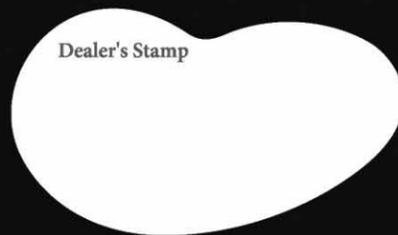
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It's Time. Let Your Presentation Shine.



BenQ
Enjoyment Matters

Dealer's Stamp



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**The presentation is about to start.
Switch on the light, please.**

Want to hold a great presentation? The first thing to do would be to switch on those lights, even if you are in an outsized room!

The BenQ high brightness projectors - SP831/870/920 - come with 4000~6000 ANSI lumens, 2000:1 high contrast ratio, built-in multi-segment color wheels, and exclusive color display technologies. These high brightness projectors not only bring back the light in your meeting rooms but also the clearest pictures.

Now is the time to put a stop to switching the lights on and off and start enjoying the best projection under the brightest lights! With the BenQ SP high brightness projectors, this is what you'll get in all your meetings!



Enjoy ultra bright presentations in every room every time!

Enter the new era of light with the BenQ high brightness projectors.

It doesn't matter where you are - whether it's a company, classroom, or conference hall - the BenQ SP high brightness projectors will always give you the best clarity under the brightest lights! So, take advantage! Stay in control and enjoy perfect presentations and the best interactions with your audience!

Other Brands BenQ High Brightness Projectors



Interactivity is the key to successful presentations.

Keep the lights on! Interact with your audience and enjoy the group participation!



Note-taking is made easy.

Taking notes in the dark is not an easy thing to do. From now on, keep the lights on! Make sure all your important messages are delivered and written down!



There's no more switching on or off !

No one needs to get the light anymore! Now you can keep your future meetings nice and bright and keep your finger off the light switch.

The Brightest Star in Large Venues

SP920

The Power of Dual Lamp Control Design

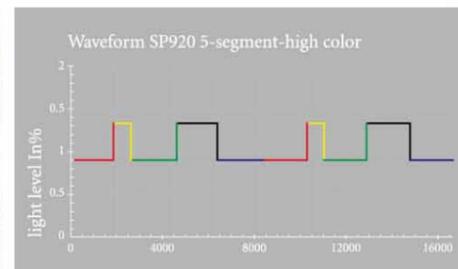
The BenQ SP920 adopts a unique positioning of the lamps which alters the angles of light emission to generate an ultra brightness of 6000 lumens. This trademark lamp design of BenQ not only enables the SP920 to project the brightest light but also helps increase the efficiency of the lamps. So you can enjoy the best projection while benefiting from energy conservation.

There are three projection modes to the SP920. The Dual Brightness Mode projects the brightest image even in an auditorium. The Dual Reliable Mode slightly reduces the projection brightness in order to decrease the wear on projector lamps which in turn ensures an interruption-free projection. The Single Alternative Mode further minimizes the replacement of projector lamps.

Lamp Mode	Brightness	Lamp Life	User Benefit	Suitable Environment
Dual Brightness Mode	6000 ANSI Lumens	2000 Hrs	<ul style="list-style-type: none"> • Super bright and clear images • Projection clarity in high ambient light settings • Continuous, disruption-free operation at all times 	<ul style="list-style-type: none"> • Large well-lit venues such as conference halls or auditoriums
Dual Reliable Mode	4800 ANSI Lumens	3000 Hrs	<ul style="list-style-type: none"> • Extended lamp life • Continuous, disruption-free operation at all times 	<ul style="list-style-type: none"> • Mid-sized boardrooms
Single Alternative Mode	3000 ANSI Lumens	4000 Hrs	<ul style="list-style-type: none"> • Extended total operation time • Reduced lamp replacement frequency 	<ul style="list-style-type: none"> • Average-sized rooms

UNISHAPE™ Superior Image Projection

BenQ has joined efforts with OSRAM and Texas Instruments to create UNISHAPE™ - a sophisticated color enhancement technology which adjusts to the overall brightness level of different scenes. By flexibly controlling the brightness output of the projector lamp in milliseconds, the SP920 gives you the most optimal situational color ratio through three distinguished projection modes. Enjoy the best image projection for all your presentations in every room every time!



BenQ

SP920

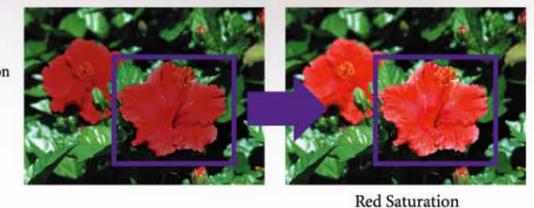
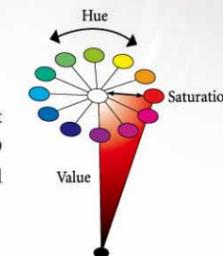
BrilliantColor™ Vivifying Your World with Vibrancy

The SP920 gives you the truest, liveliest color ever with BenQ's unique golden ratio 5-segment color wheel. Made in collaboration with the advanced BrilliantColor™ technology from Texas Instruments, mid-tone colors are boosted to heighten brightness levels, making images more precisely rendered than ever.



The Satisfaction of Individualized Color Management

Enjoy the freedom of adjusting the color intensity to meet your personal preferences. With the SP920 as its built-in 3D color management technology, you have independent control of six colors' (R/G/B/C/M/Y) hue, gain, and saturation levels.



The SP920 is certified by the Crestron Integrated Partner Program. Such membership promises a Creston-compliant operation environment as well as a strong partnership formed by manufacturers around the globe.

6,000 ANSI Lumens | XGA 1024x768 | Contrast 2000:1 | Dual Lamp | 3D Color Management | Wall Color Correction | Lamp Care | Panel Key Lock | Presentation Timer | Power On/Off Tone | BrilliantColor™



SP870

BrilliantColor™ Bringing the Colors of the World to Life

BenQ's high speed, 5-segment color wheel delivers the best balance between optimal brightness and color, while BrilliantColor™ technology enables higher brightness levels by boosting mid-tone colors, producing a more vibrant picture in all your presentations.



Without BrilliantColor™ With BrilliantColor™

UNISHAPE™ Perfect Image Performance

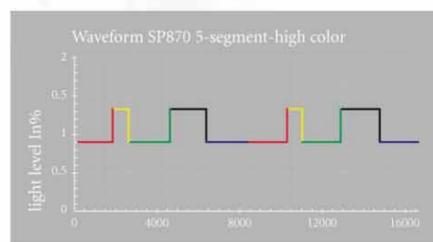
The SP870 incorporates UNISHAPE™ - an integrated color enhancement technology BenQ created with ORSAM and Texas Instruments - to give you the most optimized image projection for all your presentations. Enjoy the best image performance by selecting the projection mode fitting to your lighting needs.



Without UNISHAPE™

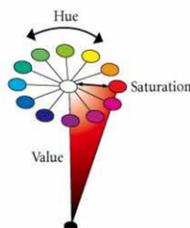


With UNISHAPE™



Independent 3D Color Management

3D color management gives you control of six colors' (R/G/B/C/M/Y) hue, gain, and saturation levels individually, ensuring you the color intensity you desire.



Red Saturation

- 5,000 ANSI Lumens
- XGA 1024x768
- Contrast 2000:1
- 3D Color Management
- Wall Color Correction
- Lamp Care
- Presentation Timer
- Power On/Off Tone

BrilliantColor™



SP831

BrilliantColor™

The revolutionary BrilliantColor™ technology enables higher brightness levels by boosting mid-tone colors, guaranteeing presentations that are more vibrant and precisely rendered. Working side by side with the 6-segment color wheel, this technology offers you the most vivid images in each and every one of your presentations.



Without BrilliantColor™ With BrilliantColor™

HQV

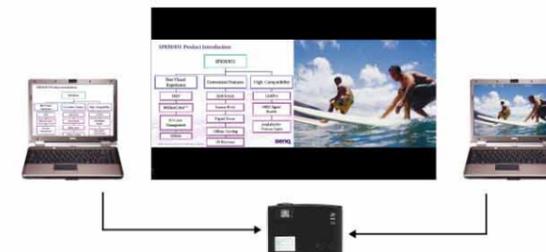
An enormous leap has been taken in fine-tuning the Chroma & Luma Transition Enhancement, noise reduction, and detail enhancement! The SP831 - built with the HQV technology - now takes projection to a brand new level!



Without HQV With HQV-Noise Reduction

Split Screen

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



Split Screen Function

- 4,000 ANSI Lumens
- WXGA 1280x768 15:9
- Contrast 2000:1
- Split Screen 1/2
- HQV BrilliantColor™**

BenQ Digital Projector

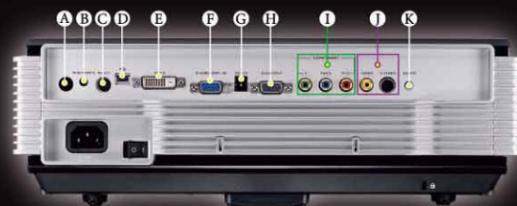
SP920 Multi-Function Interface



- A Rear IR sensor
- B Wire remote
- C Audio input
- D RS-232
- E USB (mini B type): for page up / down
- F HDMI (v1.3)
- G DVI-D input (Support HDCP)
- H D-sub input: analog RGB / component
- I 12V trigger
- J D-sub output
- K Component in Y Pb / Cb Pr / Cr
- L Basic video input: composite / S-video

- Image capture for start-up screen
- Menu / Exit: access the OSD and return from OSD
- Blank: hide image
- Laser pointer
- Presentation timer setup
- Brightness adjustment
- Contrast adjustment
- 11 picture modes
- Auto: auto 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

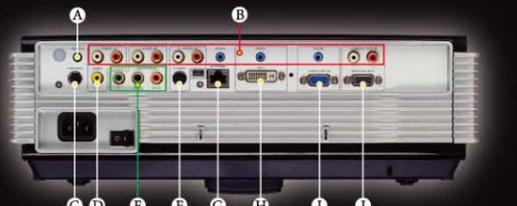
SP870 Multi-Function Interface



- 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

- Image capture for start-up screen
- Menu / Exit: access the OSD and return from OSD
- Blank: hide image
- Laser pointer
- Presentation timer setup
- Brightness adjustment
- Contrast adjustment
- 11 picture modes
- Auto: auto 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

SP831 Multi-Function Interface



- A IR sensor
- B Audio input
- C Wired remote control
- D Video
- E Component
- F S-video
- G Signal shuttle
- H DVI-I (Support HDCP)
- I D-sub in
- J D-sub out

- Source: source detection
- Enter: confirm
- Auto: auto adjustment
- Laser pointer
- Image capture for start-up screen
- Split screen hot key
- PIP selection hot key
- 9 Application & 3 users' memories hot keys
- Arrow key: keystone hot keys / arrow keys
- Page up / page down hot key control when using USB mouse control
- Digital zoom in / zoom out hot keys
- Source selection hot key

SP920 Projection Size (Max. Zoom) 4:3 Aspect Ratio

	Screen Size	40	60	80	100	120	150	200	300
Screen Size	Screen Size (inch)	40	60	80	100	120	150	200	300
	Screen Width (cm)	81	122	163	203	244	305	406	610
	Screen Height (cm)	61	91	122	152	183	229	305	457
Projection Distance	Max. Zoom (m)	1.3	2.0	2.7	3.3	4.0	5.0	6.7	10.0
	Min. Zoom (m)	1.2	1.7	2.3	2.9	3.5	4.3	5.8	8.7

SP870 Projection Size (Max. Zoom) 4:3 Aspect Ratio

	Screen Size	40	60	80	100	120	150	200	300
Screen Size	Screen Size (inch)	40	60	80	100	120	150	200	300
	Screen Width (cm)	81	122	163	203	244	305	406	610
	Screen Height (cm)	61	91	122	152	183	229	305	457
Projection Distance	Max. Zoom (m)	1.3	2.0	2.7	3.3	4.0	5.0	6.7	10.0
	Min. Zoom (m)	1.2	1.7	2.3	2.9	3.5	4.3	5.8	8.7

SP831 Projection Size (Max. Zoom) 15:9 Aspect Ratio

	Screen Size	40	60	80	100	120	150	200	300
Screen Size	Screen Size (inch)	40	60	80	100	120	150	200	300
	Screen Width (cm)	81	122	163	203	244	305	406	610
	Screen Height (cm)	61	91	122	152	183	229	305	457
Projection Distance	Max. Zoom (m)	1.4	2.1	2.7	3.4	4.1	5.1	6.8	10.3
	Min. Zoom (m)	1.2	1.8	2.4	2.9	3.5	4.4	5.9	8.8



BenQ Digital Projector SP920 / 870 / 831 Specifications

	SP920	SP870	SP831	
Projection System	DLP® technology by Texas Instruments	DLP® technology by Texas Instruments	DLP® technology by Texas Instruments	
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	WXGA (1280 x 768)	
Brightness	6000 ANSI lumens	5000 ANSI lumens	4000 ANSI lumens	
Contrast Ratio	2000:1 (Full on / Full off)	2000:1 (Full on / Full off)	2000:1 (Full on / Full off)	
Aspect Ratio	4:3 Native, 16:9 Selectable	4:3 Native, 16:9 Selectable	15:9 Native	
Color	Full 16.7 million color palette	Full 16.7 million color palette	Full 1.07 million color palette	
Lens	F=2.4~2.7, f=38.87~46.63mm	F=2.4~2.7, f=38.87~46.63mm	F=2.4~2.58, f=22.32~26.06mm	
Zoom Ratio	Manual Zoom, 1.15:1	Manual Zoom, 1.15:1	Manual Zoom, 1.16:1	
Image Size (Diagonal)	31" to 300"	40" to 300"	25" to 300"	
Throw Ratio	1.64 to 1.88:1	1.64 to 1.88:1	1.56 to 1.81:1	
Keystone Adjustment	Vertical+/-25 degrees	Vertical+/-25 degrees	Vertical+/-40 degrees; Horizontal+/-30degrees	
Color Wheel	5 segment, RYGBW, Speed (2X, 2X)	5 segment, RYGBW, Speed (2X, 2X)	6 segment, RYGBW, Speed (2X, 2X)	
Lamp	280Wx2, 2000 / 3000 hours (Normal / Economic mode)	360W, 2000 / 3000 hours (Normal / Economic mode)	300W, 3000 / 4000 hours (Normal / Economic mode)	
Resolution Support	VGA (640 x 480) to UXGA (1600 x 1200)	VGA (640 x 480) to UXGA (1600 x 1200)	VGA (640 x 480) to UXGA (1600 x 1200)	
HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i	480i, 480p, 576i, 576p, 720p, 1080i	
Video Compatibility	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM	
Horizontal Frequency	31-82 kHz	31-93 kHz	24-82 kHz	
Vertical Scan Rate	48-85 Hz	48-85 Hz	48-85 Hz	
Input Terminals	PC	Analog RGB: D-sub 15 pin x 1	PC	Analog RGB: D-sub 15 pin x 1
	A/V	HDMI (v1.3): x 1 Component Video: RCA x 3 S-Video: Mini Din 4 pin x 1 Composite Video: RCA x 1 DVI-D (HDCP support) 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
Output Terminal	Audio	Stereo MINI Jack x 1	Audio	Stereo MINI Jack x 1
	PC	12V Trigger D-Sub 15 pin x 1	PC	12V Trigger D-Sub 15 pin x 1
Control Terminal	Audio	5 Watt Speaker x 2	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	Serial Connector: RS232 8 pin MINI DIN USB Connector: USB x 1 (Type mini B) Wired Remote Jack x 1	Serial Connector: RS232 8 pin MINI DIN USB Connector: USB x 1 (Type mini B) Wired Remote Jack x 1	
Dimensions (WxHxD)	443 x 167 x 355mm (17.4 x 6.6 x 14 inch)	375 x 115 x 277mm (14.8 x 4.5 x 10.9 inch)	375 x 115 x 277mm (14.8 x 4.5 x 10.9 inch)	
Weight	11kg (24 lbs)	4.9kg (10.9 lbs)	4.5kg (10 lbs)	
Power Supply	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	
Power Consumption	Max 805W, Eco. Mode 705W	Max 510W	Max 450W	
Audible Noise	37/34dB (Normal / Eco)	36/33dB (Normal / Economic mode)	36/34dB (Normal / Economic mode)	
On-Screen Display Languages	Czech / Dutch / English / French / German / Italian / Japanese / Korean / Portuguese / Polish / Russian / Spanish / Swedish / Simplified Chinese / Traditional Chinese / Turkish / Thai	Czech / Dutch / English / French / German / Italian / Japanese / Korean / Portuguese / Polish / Russian / Spanish / Swedish / Simplified Chinese / Traditional Chinese / Turkish / Thai	Czech / Dutch / English / French / German / Italian / Japanese / Korean / Portuguese / Polish / Russian / Spanish / Swedish / Simplified Chinese / Traditional Chinese / Turkish / Thai	
Picture Modes	PC Input: Dynamic Mode Presentation Mode sRGB Mode Cinema Mode User 1 / User 2 Mode	A/V Input: Dynamic Mode Standard Mode Cinema Mode User 1 / User 2 Mode	PC Input: Dynamic Mode Blackboard Mode Presentation Mode sRGB Mode Cinema Mode User 1 / User 2 / User 3 Mode	A/V Input: Dynamic Mode Standard Mode Cinema Mode Blackboard Mode
	Dual lamp (3 sets of lamp mode) 3D Color Management Quick Auto Search Sleep Timer Presentation Timer Power On / Off Tone Panel Key Lock Security Password My Screen Resolution Reminder 11 Sets of Picture Mode "Q" Hot Key for FAQ Freeze Lamp Care	Wall Color Correction BrilliantColor™ Blank (ECO mode) Quick Cooling Auto Off Security Password My Screen HDCP Compatible HDTV Compatible 12V Trigger High Altitude Mode	3D Color Management Wall Color Correction BrilliantColor™ Blank (ECO mode) Quick Cooling Auto Off Security Password My Screen HDCP Compatible HDTV Compatible 12V Trigger High Altitude Mode	BrilliantColor™ Split Screen HQV™ Independent Color Management Offline Cooling 2D Keystone Auto Off Password Function My Screen HDTV Compatible
Accessories (Standard)	User's Manual Quick Start Guide Manual CD	Remote Control Batteries for R/C VGA Cable Power Cord	User's Manual Quick Start Guide Manual CD	Remote Control Batteries for R/C VGA Cable Power Cord
Accessories (Optional)	Ceiling Mounting Kit Presentation Plus	Spare Lamp Kit RS232 Cable	Ceiling Mounting Kit Presentation Plus	Spare Lamp Kit

Accessories (Optional)



Spare lamp kit
SP920 / 9E.0C101.001;
9E.0C101.011
SP870 / 9E.0CG03.001
SP831 / 5J2A01.001



Presentation plus



Universal ceiling mount