



BenQ's SP820 is a superb choice for those who need a XGA projector that can reliably provide a bright, clearly viewable picture in virtually any environment. Its wide array of useful features are not only elegantly implemented, but are easily accessible through a well-thought out interface. It's perfect for business users' presentations and a classroom teacher's lectures alike—in fact, for any application where even large audiences can be ensured of a great view regardless of a room's light levels. For a projector that can perform to your requirements regardless of the application or venue, the SP820 is just right.

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Specifications

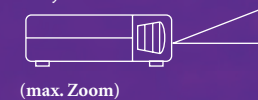
Model Name	SP820
Projection System	DLP® technology by Texas Instruments®
Native Resolution	XGA (1024 x 768)
Brightness	4000 ANSI lumens
Contrast Ratio	2000:1 (Full on/Full off)
Aspect Ratio	4:3 Native, 16:9 Selectable
Color	Full 16.7 million color palette
Lens	F=2.6 to 2.8, f=26.0 to 29.8 mm
Zoom Ratio	Manual Zoom, 1.15:1
Image Size (Diagonal)	31" ~300"
Throw Ratio	1.8~2.1 (55" @2m)
Lamp	280W, 2000/3000 hours (Normal/Economic mode)

Computer Compatibility	VGA(640 x 350)~ SXGA+ (1400 x 1050)
HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i
Video Compatibility	NTSC, PAL, SECAM
Horizontal Frequency	31-90 kHz
Vertical Scan Rate	50-85 Hz
Input Terminals	PC : Analog RGB: D-sub 15 pin x 1 (shared) DVI-D

A/V :	Component Video: D-sub 15 pin x 1 S-Video: Mini Din 4 pin x 1 Composite Video: RCA x 1
Audio :	Audio I: RCA L& R x 1 set Audio II: Mini jack x 1

Output Terminal	PC : Analog RGB: D-sub 15 pin x 1
Audio :	3 Watt Speaker x 1 Mini jack x 1

Projection Size



(max. Zoom)

Distance (m)	1	1.5	2	2.5	3	5	6.5	10
4:3 aspect ratio, screen (inch)	27.34	41	54.68	68.35	82	136.7	177.71	273.4
16:9 aspect ratio, screen (inch)	25	37.65	50.2	62.74	75.28	125.49	163.14	251

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Control Terminal	USB Connector: USB x 1, Type mini B RS232: D-sub x 1 12V Trigger
Dimensions(L x W x H)	300x 244 x 88 mm
Weight	8.2 lbs (3.73 kg)
Power Supply	90 to 240 VAC, 50 to 60 Hz
Power Consumption	Max 350W
Audible Noise	36/33 dB (Normal/Economic mode)
On-Screen Display languages	Czech/ Dutch/ English/ French/ German/ Italian/ Japanese/ Korean/ Polish/ Portugues / Russian/ Spanish/ Thai / Traditional Chinese/ Simplified Chinese/ Swedish/ Turkish

Application Modes	PC Input : • Presentation • Dynamic • Cinema • Gaming • Standard
A/V Input :	• Presentation • Dynamic • Cinema • Gaming • Standard

Functions	• Freeze • Auto Off • Security Password • HDTV Compatible • Digital Zoom • Independent Color Mgmt • H+V Position Adjustmnet • Translucent Menu • Grip Handle
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Accessories (Standard)	• User's Manual CD • Quick Start Guide • Remote Control • Battery for R/C • VGA Cable • USB Cable • PC Audio Cable • Power Cord
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Accessories (Optional)	• Lamp Module • Composite Video cable • S-video Cable • RCA L/R Audio Cable • Component Video Cable
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A Power House Projector



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SP820 Digital Projector





A Bright Choice for Picture Quality!

More Lumens, Brighter Images

The extraordinarily clear, bright images that the SP820 delivers are sure to light up a smile on any viewer. The SP820 achieves stellar results through a combination of its powerful lamp, excellent contrast ratio, and exclusive BenQ technologies.



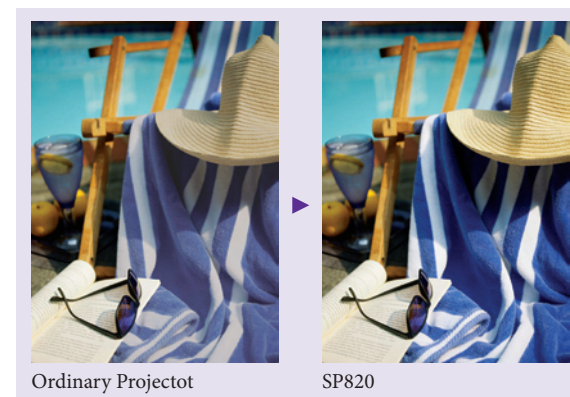
Extra-Bright Projection Lamp

An extremely powerful projection lamp, rated at a full 4,000 ANSI lumens, makes the SP820 capable of displaying a bright, easily viewed image even in a locations with high levels of ambient light.



High Contrast Ratio

The SP820's high 2000:1 contrast ratio ensures a vividly rendered picture, bringing out details even in darkly lit scenes.



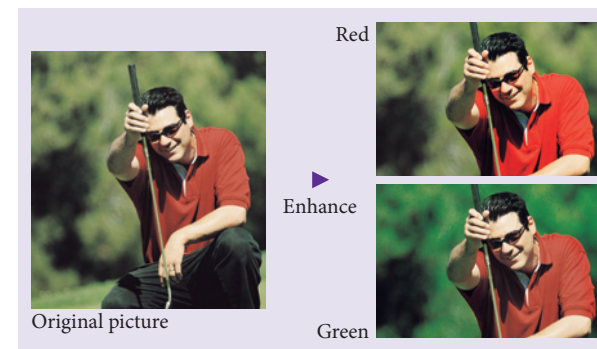
2000:1 Super High Contrast Ratio

Enhanced Color Wheel Design

Drawing on cognitive science research, BenQ has refined the five-segment color wheel to optimize color rendition for human visual perception.

Independent Color Management

This feature allows you to adjust six colors for hue and saturation levels individually, achieving exactly the color balance you desire.



Independent color adjustment of Red, Green, Blue, Cyan, Magenta, and Yellow

Made for you

The SP820 offers an extensive range of features that will delight you with for the added convenience and ease of use they bring. You'll work more efficiently and enjoy yourself more by taking advantage of BenQ's thoughtful design touches.

Digital Zoom

The SP820's handy digital zoom makes it easy to enlarge specific portions of the picture, whether it's to emphasize a point in a presentation or examine details in a photo.



Explore the detail of any object interests you!



Power On/Off Tone

The SP820 spares you the hassle of visually monitoring its status, notifying you with a discreet tone when it's warmed up and ready to use, or cooled down and ready for unplugging.

Transparent OSD Menu

The SP820's on-screen menu offers adjustable levels of transparency, allowing you to view the full picture content even when accessing controls.



Makes OSD (On Screen Display) Menu Translucent to avoid blocking the content

Convenient Hand Grip

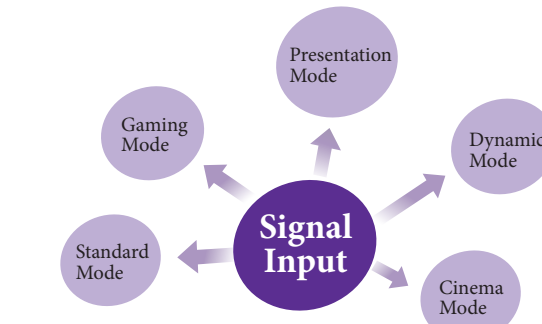
The elegantly integrated handle on the SP820 makes it easy to carry the projector from room or to transport it when traveling off-site.



Carry the projector around with ease

Five Application Modes

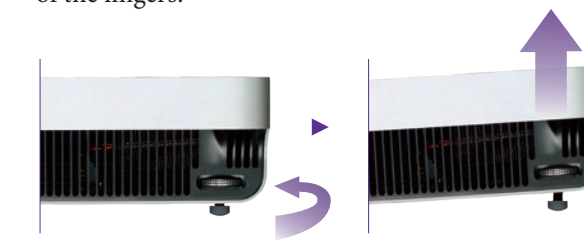
Five preset application modes make getting picture settings optimized for specific types of content—such as a presentation or movie—virtually instantaneous.



5 application modes optimize your needs for every scenes

Convenient Foot Adjustment

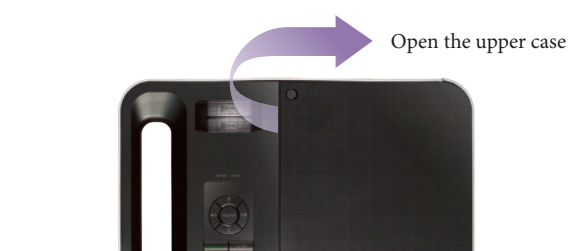
A jog dial on the side of the SP820 makes it a snap to raise and lower the projector with just a swipe of the fingers.



Adjusting projector foot is so easy!

Top Access Lamp Door

A lamp door positioned on the top surface of the SP820 means changing the projection lamp is quick and easy—and not an ordeal as it is on most projectors.



Easily accessible lamp door

Well-connected

The SP820 provides ports for key interfaces, so you can connect the most common types of video sources, whether analog or digital.

Input / Output Connections (Detail)

PC:

- 1 DVI-D connector
- 2 RGB (D-sub) input
- 3 RGB (D-sub) output
- 4 Audio input
- 5 Audio output

AV:

- 6 S-Video jack
- 7 Composite video connector
- 8 Audio L/R connector

Control:

- 9 RS 232 control port
- 10 12V trigger
- 11 USB

Analog, Digital, PC, SP820 takes all

Full Function Remote w/ Laser Pointer

- 1 Power
- 2 Laser
- 3 Keypad Control
- 4 Projector Function

