



Get the big picture at work and play!

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Digital Projector Series Family Brochure

BenQ
Enjoyment Matters

The Best Visual Experience

A BenQ projector ensures that your business presentations are the best they can be. Your audience will enjoy the big-screen views that keep the visual details crisp and the colours bright, and you'll appreciate the features designed to make every presentation go off without a hitch.



MP511+
Perfect for work and play
Native Resolution: SVGA (800 × 600)
Brightness: 2100 ANSI lumens
Contrast Ratio (Full on/Full off): 2000:1



MP771
Short distance; large view
Native Resolution: XGA (1024 × 768)
Brightness: 3000 ANSI lumens
Contrast Ratio (Full on/Full off): 2000:1



MP612/612c
Your brightest partner
Native Resolution: SVGA (800 × 600)
Brightness: 2500/2200 ANSI lumens
Contrast Ratio (Full on/Full off): 2000:1



SP820
A power house projector
Native Resolution: XGA (1024 × 768)
Brightness: 4000 ANSI lumens
Contrast Ratio (Full on/Full off): 2000:1



CP220c
Powerful to fit in your business; Portable to fit in your suitcase.
Native Resolution: XGA (1024 × 768)
Brightness: 2000 ANSI lumens
Contrast Ratio (Full on/Full off): 700:1



MP730
Show presentations in all their widescreen glory
Native Resolution: WXGA (1280 × 800)
Brightness: 2200 ANSI lumens
Contrast Ratio (Full on/Full off): 700:1



MP620c
Fulfill your needs in the presentations
Native Resolution: XGA (1024 × 768)
Brightness: 2000 ANSI lumens
Contrast Ratio (Full on/Full off): 700:1



SP870
Put the shine on
Native Resolution: XGA (1024 × 768)
Brightness: 5000 ANSI lumens
Contrast Ratio (Full on/Full off): 2000:1



MP622/622c
Enjoy new horizons of silent operation
Native Resolution: XGA (1024 × 768)
Brightness: 2700/2200 ANSI lumens
Contrast Ratio (Full on/Full off): 2000:1



SP830/831
Colours so vivid, it is simply mesmerizing
Native Resolution: WXGA (1280 × 768)
Brightness: 3500/4000 ANSI lumens
Contrast Ratio (Full on/Full off): 2000:1



MP723/722
Keep the classroom lively
Native Resolution: XGA (1024 × 768)
Brightness: 3300/3000 ANSI lumens
Contrast Ratio (Full on/Full off): 2000:1



Perfect for Work and Play



For fun or for work, MP511+ has got elegant design, excellent performance, and handy features that'll make it a hit with you.



Your Brightest Partner



MP612/612c is made for those who want a projector which can reliably deliver a bright picture that is easy on the eyes, along with a user interface and operation that does away with the complexities of other projectors.



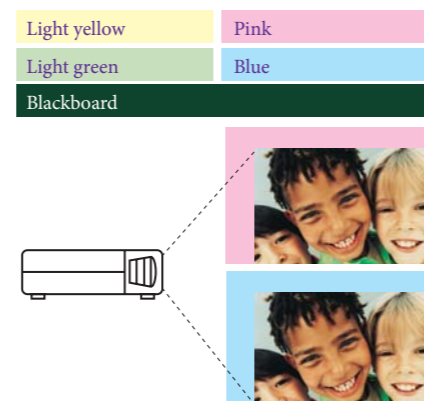
Sets of Application Modes

For extra versatility, the MP511+ provides a number of picture modes. These allow you to achieve excellent display quality whatever the application is and wherever you go.

Input Signal	Picture Mode	Application
PC Signal Input	Dynamic	For viewing in brightly lit rooms
	Presentation	Presentations
	sRGB	Viewing digital photos in a living room
	Cinema	Playing movies, video clips from camera or camcorders through PC input
A/V Input	User1/User2	For personalized image colour
	Dynamic	For viewing in brightly lit rooms
	Cinema	Viewing movies in a darkened room (curtains closed, but some residual light)
	Standard	Makes photos more distinctive and sharper
	User1/User2	For personalized image colour

Wall Colour Correction

Wall colour correction provides optimized viewing experience for different surfaces, such as a classroom blackboard, that might be used to display content instead of a regular projector screen.



Long Lamp Life

At a rated 4000 hours, the MP612/612c's projection lamp will typically provide many months or even years of great viewing.

Presentation Timer

The MP612/612c's on-screen timer will keep your presentations on track. And instead of wondering where you are in the presentation, your audience can stay focused on the actual content.



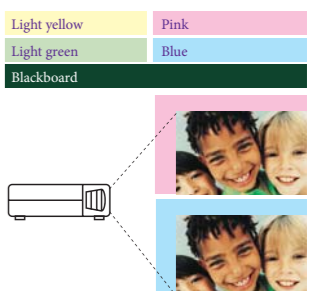
Top Access Lamp Door

While most projectors make replacing the lamp an ordeal, the MP612/612c makes this maintenance task simple by putting an easily opened access door right on the top of the unit.



Wall Colour Correction

This amazing feature makes it easy to get excellent picture quality with accurate colour rendition even projecting onto a wall or other surface by automatically compensating for its colour.



Powerful to Fit in Your Business; Portable to Fit in Your Suitcase



Meet CP220c, and experience the unprecedented combination of functionality and mobility! When it comes to business competition, you need to be armed with the best equipment to achieve your goal. It is now there for you to acquire - get your CP220c projector and you're one step closer to success with every impeccable presentation.



CP220c

Fulfill Your Needs in the Meeting



MP620c is perfect for any type of presentation, whether in a business or educational settings, with the performance and versatility to meet a variety of needs.



MP620c

Auto Keystone

No more misshaped images, graphics, nor charts. CP220c can automatically, instantly check the projector's tilting and adjust projections for optimum viewing. There is nothing you need to do!



Off and Go

Want your equipments keep up with your pace at all times? With CP220c, you can simply disconnect it and go to your next task. The cooling fans will ensure the lamp completely cools off before it stops operating.



1.8kg Weight

Why drag yourself out when you deeply understand every minute counts? With a weight of only 1.8kg, CP220c gives you freedom instead of burden so you can charge at your goals.

1.8kg
Weight

Mini Size of B5 Paper

Powerful tools do not always come in big volume. Check out CP220c and its B5 mini size. You can effortlessly carry it around even in your briefcase.



2000 ANSI Lumens

A 2000 ANSI lumens projection lamp ensures great viewing even in locations with ambient light.

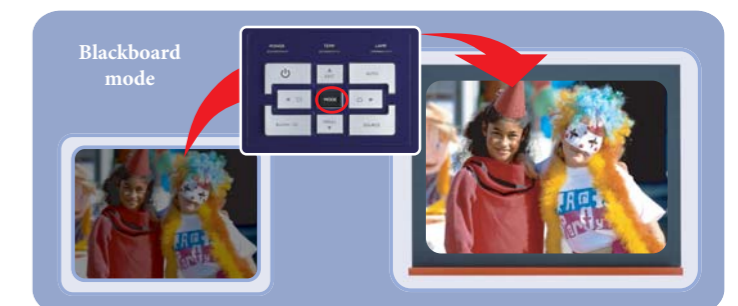
XGA

XGA (1024 × 768) resolution delivers vibrant images with precision colour and detail.



Blackboard Mode

For extra flexibility and convenience, BenQ has added a blackboard mode to the MP620c. That means even in a classroom or other venue where only a blackboard is available for use as a makeshift projection screen, you can still display legible text, cleanly rendered images, and crisp video. Simply switch the mode on and let the MP620c handle all the needed adjustment.



Enjoy New Horizons of Silent Operation



Because it runs at a whisper-quiet 26dB, MP622/622c offers an environment of silence as it projects our world in bright, high quality images. Inside MP622/622c's gloss-like sleek case, the craft of silencing makes you free from distractions of noise. With 2700/2200 ANSI lumens super brightness and delicate 16.7 million colours, your audience will see your confidence projected behind your back.



Keep the Classroom Lively



MP723/722 projectors are just the thing to add life to classroom presentations. Instructors can liven up their teaching with graphical presentations or even video delivered with brilliant colour and crisp details. The MP723/722 are the perfect way to enhance the learning experience and make the classroom experience come alive for students and teachers.



Whisper Quiet

Designed in Every Detail

Silent Engineering means that we look everywhere for improvements. We've re-designed our colour wheel for maximum absorption of noise and vibrations. We've also added a damper fixed between the MP622/MP622c's colour wheel and bracket for added reduction in noise and vibration.

Anti-Vibration Equals Added Quietness

Inside, our quiet-running cooling fan also includes a noise-absorbing sponge while rubberized components dampen vibration that can cause noise. Outside, high elasticity rubber stops resonance with table tops in its tracks.

Low-Obstruction Ventilation Design

We've designed for a smoother flow of air through the MP622/622c. This lowers heat and allows exhaust fans to run at lower speeds for lower noise.



3300/3000 ANSI Lumens

Rated at an extra-bright 3300/3000 ANSI lumens, the MP723/722's lamp provides a clear, vivid image even in environments such as the typical classroom where it's impractical to block out extraneous light.

BrilliantColor™

Texas Instruments' advanced on-chip BrilliantColor™ technology boosts mid-tone colours, increasing overall brightness and producing a more vibrant picture.

3D Colour Management

3D colour management lets users fine-tune the hue, saturation, and gain of primary colours to achieve the exact picture quality desired.



UNISHAPE™

MP723/722 are equipped with UNISHAPE™ to offer a solution to the problem that the brightness of the image is reduced in existing technologies due to colour correction and dark video enhancement. UNISHAPE™ counteracts this effect by adapting lamp output dynamically to the colour wheel segment. With UNISHAPE™, it is now possible to get outstanding image quality in all situations with one and the same device.

Short Distance, Amazing Large View



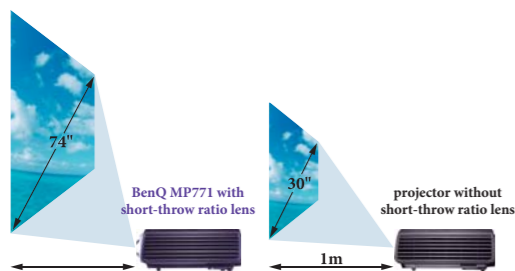
Wish you could enjoy a big-screen show, but don't think the space you have in mind is large enough? Then the BenQ MP771 is your small-space solution. That's because this premium, high-brightness XGA projector has an amazing short-throw ratio, enabling large-screen projection from a close range. It's perfect for places where space is limited, like partition rooms, small conference rooms, lecture halls or classrooms where physical layout forces the projector to be up close to the screen.



MP771

Short Throw

With its smart short-throw ratio, the MP771 makes big screen viewing easy for smaller areas, such as departmental meeting rooms or living rooms - where it can deliver a phenomenal experience with the interactive games currently in vogue. Able to project a 74" picture from just a mere meter away, the MP771 not only overcomes space constraints, but by positioning it close to the screen keeps the movements of viewers from affecting the picture.



The short-throw ratio also makes it more practical & safe for presenters to stand between the projector and audience, avoiding the annoyance and health risks of the bright projector lamp shining into their eyes.

The MP771's short-throw ratio means limited space no longer limits your big-screen viewing pleasure.

UNISHAPE™

MP771 is equipped with UNISHAPE™ to offer a solution to the problem that the brightness of the image is reduced in existing technologies due to colour correction and dark video enhancement. UNISHAPE™ counteracts this effect by adapting lamp output dynamically to the colour wheel segment. With UNISHAPE™, it is now possible to get outstanding image quality in all situations with one and the same device.

3D Colour Management

3D colour management lets users fine-tune the hue, saturation, and gain of primary colours to achieve the exact picture quality desired.

Give Presentations the Widescreen Treatment



MP730 brings a cinema screen-like format to any show you put on—giving your audience the same expansive views as a lavish Hollywood production. With its sophisticated colour enhancement technologies, the MP730 will wow viewers because of the exquisite picture quality of what you put onscreen as well. For presentations with maximum impact in a wide range of viewing environments, the MP730 is what you are looking for.



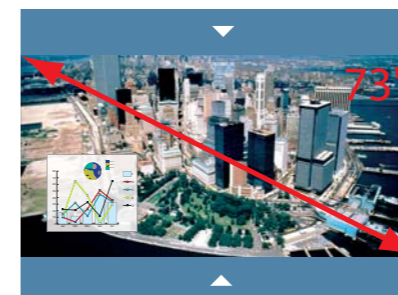
MP730

WXGA

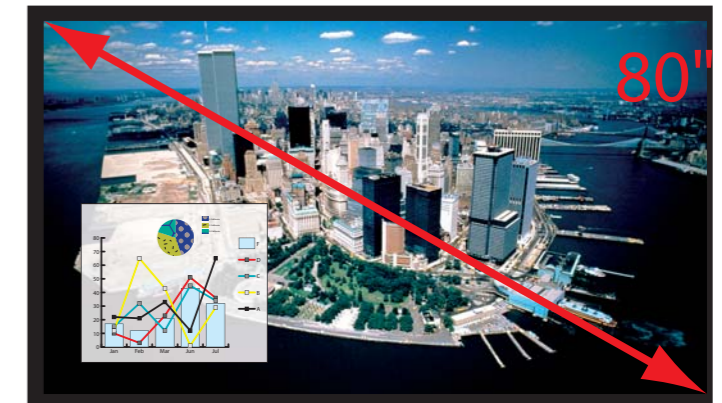
The widescreen WXGA resolution of the MP730 makes for a lavish viewing experience that will enhance any presentation or other content.

Wall Colour Correction

Wall colour correction provides automatic optimization for different surfaces that might be used to display content when a projector screen is not available.



80" 4:3 screen with 16:9 movie content in the native 4:3 resolution projector



80" 16:10 screen with 16:10 presentation content in the native 16:10 projector

A Power House Projector



SP820 is a superb choice for those who need an XGA projector that can reliably provide a bright, clearly viewable picture in virtually any environment. It's wide array of useful features are not only elegantly implemented, but are easily accessible through a well thought-out interface.



Put the Shine on



BenQ's SP870 projector is the bright choice for meetings, with a powerful 5000 ANSI lumens lamp that lets you keep the lights on during use without detracting from the viewing experience. A dark room might be good for watching a movie, but it doesn't work so well for meetings or other occasions where participants need to take notes or consult printed documents. The SP870 is designed for just such situations, rendering a spectacularly vivid and richly coloured picture - even with the lights up. It will put the shine on meetings and put a smile on the faces of those in attendance.

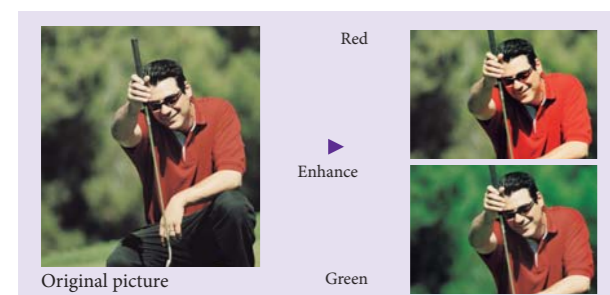


4000 ANSI lumens

An extremely powerful projection lamp, rated at a full 4000 ANSI lumens, makes the SP820 capable of displaying a bright, easily viewed image even in a lighted room.

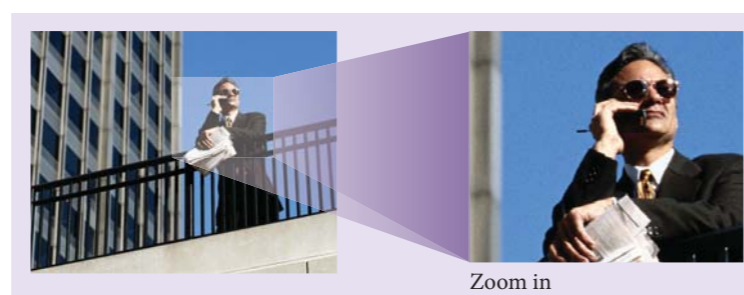
Independent Colour Management

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



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 that interests you!

5000 ANSI Lumens

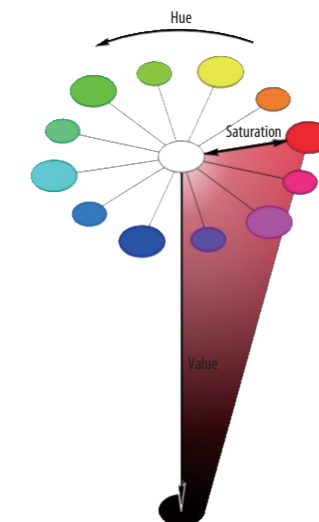
The SP870's 5000 ANSI lumens projection lamp provides far greater light output than typical projectors. As a result, it can deliver a brightly illuminated picture with fully saturated colours even in locations with high levels of ambient light.

BrilliantColor™

Texas Instruments' advanced on-chip BrilliantColor™ technology boosts mid-tone colours, increasing overall brightness and producing a more vibrant picture.

3D Colour Management

3D colour management lets users fine-tune the hue, saturation, and gain of primary colours to achieve the exact picture quality desired.



Colours so Vivid, It's Simply Mesmerizing



Take presentations to a whole new level with the SP830/831. Made for any auditorium, colours and details are delivered with crystal-clear smoothness that will even make video projectors blush. Plus, with its unique technology and brightness to spare at 3500/4000 stunning ANSI lumens, these WXGA projectors will never leave your audience in the dark.

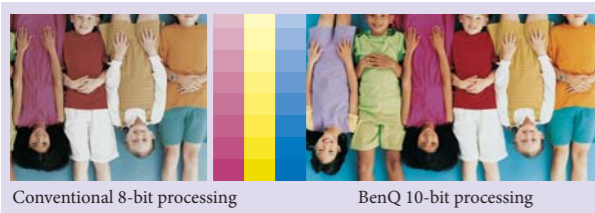


SP830/831



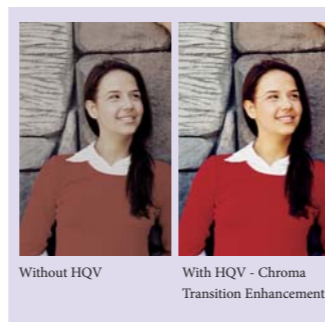
HQV

10 bit colour: Instead of using 8-bit technology with only 16 million colours, the SP830/831 are able to process a full 10 bit of colour data to distinguish and display more than 1 billion colours. The pictures are more lifelike and the colour precision is better than ever.

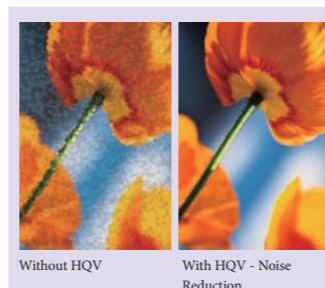


Chroma & Luma Transition Enhancement - Colour video signals such as NTSC, PAL or SECAM types all have luminance (luma) and chrominance (chroma) components. As the chroma signal bandwidth is usually narrower than luma signal bandwidth, colour edges changes occur much than luma edges changes. In other words, a chroma signal transition occurs fairly slower than a luma signal transition. Consequently, chroma signal edges/transitions usually appear degraded.

With Chroma & Luma Transition Enhancement, the SP830/831 sharpens the chroma signal transitions to give you razor-sharp video signals with no distracting picture blur.



Noise Reduction - Via a temporal noise filter, several frames are evaluated at once. Pixels that give rise to visual noise are then instantly identified and eliminated. Distortion resulting from too much compression is also corrected.



Detail Enhancement - Whether you're looking at moving or static images, the HQV detail enhancement technology identifies any blurred areas before processing and wiping them away. Contrast is then added automatically to making details stand out clearly.



High Brightness

Never worry if you can't always be guaranteed a dark room. The lumens generated from the SP830/831 is so bright, it's more than enough to highlight your presentations.

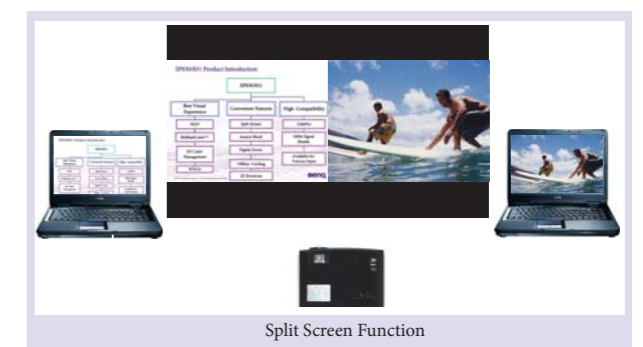
WXGA

Don't just make a presentation, make an instant impact. With resolution this high, deliver presentations in widescreen with sharper images that not only wow your audience, but also stay true to what you see on your laptop.



Split Screen

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



Right at home

A BenQ projector fits in perfectly with any home entertainment system, turning all your viewing of video content like DVD movies into a luxury cinema-like experience. So if you're ready for big-screen enjoyment without the need to even step outside your front door, BenQ projector is right for you.



W500
Reach high – go from SD to HD
Native Resolution: 720p
Brightness: 1100 ANSI lumens
Contrast Ratio (Full on/Full off): 5000:1



W5000
Full HD Home Projector
Native Resolution: 1080p (1920x1080)
Brightness: 1200 ANSI lumens
Contrast Ratio (Full on/Full off): 10000:1



W20000
Full HD Home Projector
Native Resolution: 1080p (1920x1080)
Brightness: 1200 ANSI lumens
Contrast Ratio (Full on/Full off): 20000:1



Reach High - Go from SD to HD

If you're been looking to make the jump from standard to high-definition video, the W500 will help you do just that with the ultimate in ease. It's so simple to make the transition with the W500, yet the difference in quality will amaze.

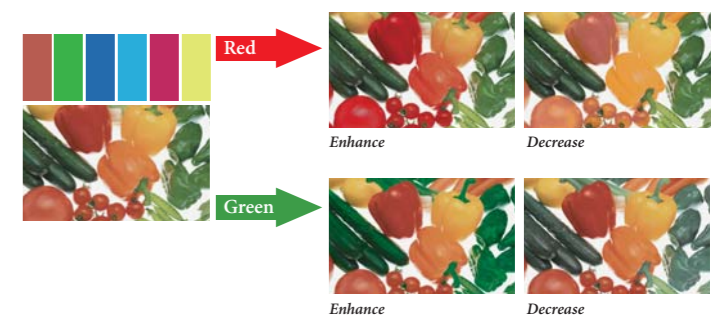
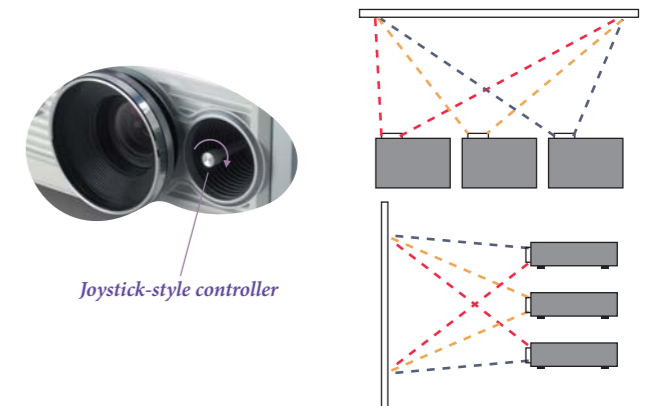


HQV Independent Colour Management

The W500 allows independent control of each colour component in the video, giving you the freedom to finetune tints and hues in the image exactly to your liking.

Lens Shift

Effortlessly position the video exactly where you want it by shifting the lens with the joystick controller, instead of moving the whole projector. No need to get up - just relax and enjoy the show.



Nothing is Invisible - Ultra High Contrast for Cinema Class Performance



Most home projectors can't give a crisp image when the scene turns overly dark to overly bright. That's because they have a limited contrast ratio. W20000 is different. Built to deliver ultra-high contrast, this projector allows you to see visuals on-screen just as you would see them in real life. Because connoisseurs know the difference, this projector is built to world-class specifications.



W5000/W20000

Contrast/Dual Iris

A unique, Two-Step Image Enhancement Process: BenQ's Dual Iris Technology. When you are watching a really great movie, there are certain times when high contrast ratio can make all the difference, places like: the darkest reaches of outer-space, the skies high above the battlefield, a haunted house or inside an Egyptian pyramid. With high contrast ratio, everything is clear. You can see all of the details. Without it, you're just in the dark. In order to provide you with the most detailed image possible, the BenQ W5000 & W20000 enhance image contrast via its Dual Iris technology so that bright images become brighter and dark images become darker - both with more detailed and refined gradients between them. High contrast ratio means a higher level of viewing enjoyment.

HQV

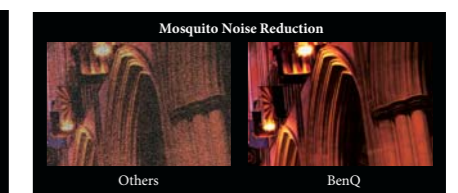
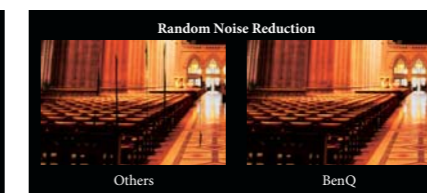
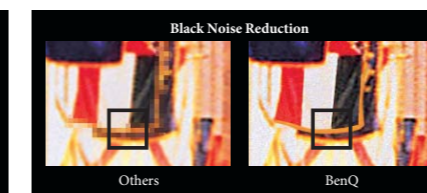
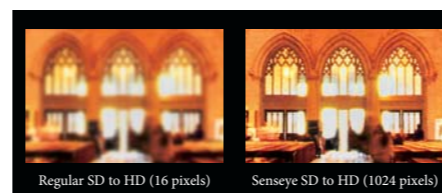
The BenQ W5000 & W20000 can project Standard Definition Video in Full HD Clarity. When you want to view images that are below the 1080p HD standard - such as analog, 480i, 480p, 720i or 720p, our projector converts this content to deliver Full HD-like performance, ensuring that you get the best viewing experience possible.

Bringing Out all the Details

This projector can almost magically enhance video quality by meticulously analyzing and adjusting pixels one-at-a-time. It's a process similar to that used by Hollywood studios to bring out details.

1024 Tap Scaling

When a standard image becomes HD, each pixel on the screen needs to be adjusted and compared to its neighbors. With competitive projectors, each pixel is compared with 16 adjacent pixels. BenQ uses HQV technology, meaning that each and every pixel projected by the W5000 & W20000 is compared to the surrounding 1024 pixels to provide the best image quality.

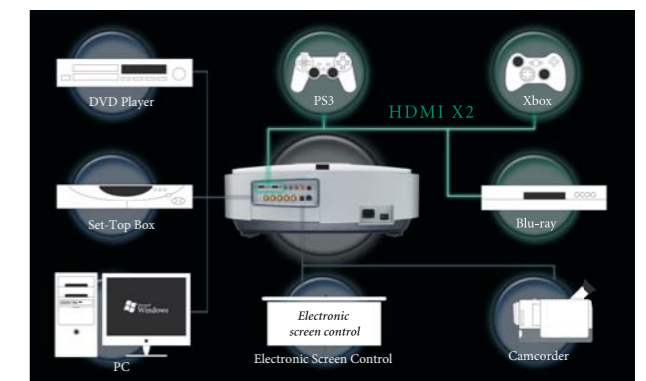


Noise Reduction

Random noise, also known as picture grain, is an inherent problem with all recorded visual material. The W5000/W20000 effectively deal with systematic video noise and can also eliminate random noise present in the source video by examining multiple frames simultaneously to identify individual pixels that are incorrectly displayed.

HDMI

The W5000 & W20000 are thoughtfully designed with two HDMI slots so that you won't have to swap cables each time you want to view digital content from a second source. When your movie is over, and you and your guests want to view something else, the transition from one enjoyment to the next will be effortless.



Key Features Comparison

Data Series

	Model	MP511+	MP612/612c	CP220c	MP620c	MP622/622c	MP723/722	MP771	SP820	MP730	SP870	SP830/831
Key Spec	Brightness(LM)	2100	2500/2200	2000	2000	2700/2200	3300/3000	3000	4000	2200	5000	3500/4000
	Resolution	SVGA	SVGA	XGA	XGA	XGA	XGA	XGA	XGA	WXGA	XGA	WXGA
	Weight	2.6Kg	2.5 Kg	1.8Kg	2.67Kg	2.5 Kg	3.5 Kg	3.8 Kg	3.10 Kg	3.6 Kg	4.9 Kg	3.9 Kg
Key Features	2D Keystone											O
	Blank (Eco)	O	O	O		O	O	O		O	O	
	Digital Zoom	2X	2X			2X	2X	2X	2X	2X	2X	3X
	HQV											O
	Lamp Care	O	O	O		O	O	O		O	O	
	Off and Go			O								
	Panel key lock	O	O		O	O	O	O		O	O	O
	Quick Auto Search	O	O			O	O	O		O	O	
	Real Time Auto Keystone			O								
	Short Throw							O				
	Wall colour mode	O	O			O	O	O		O	O	
	Page up / down			O			O	O	O	O	O	O
	DVI input				DVI-I		DVI-I(HDCP)	DVI-I(HDCP)	DVI-D	HDMI Component	DVI-D(HDCP)	DVI-I(HDCP)
	USB	1		1	1		1	1	1	1	1	1
	Speaker		2W	1W	2W	2W	2W	2W	3W	2W	2W*2	2W
Carry bag	Optional	O	O	O	O	O	O	Optional	O			

Home Series

		W20000	W5000	W500
Key Specs	Brightness(LM)	1200	1200	1100
	Contrast	20000	10000	5000
	Resolution	1080p	1080p	720p
	Weight	9.5 kg	9.5 kg	3.9 kg
	Noise Level(db)	28/25	25/23	31/27
Key Features	Iris Control	Dynamic	Dynamic	Dynamic
	Lens Shift	Vertical	Vertical	Verti+Hori
	Motorized Lens Shift	O	O	
	HQV	O	O	O
	Dynamic Black	O	O	
	Panamorph Compatible	O	O	
	2D Keystone	O	O	O
	Dust Filter	O	O	O
Digital Zoom in / out	O	O	O	
PIP	O	O	O	
In/Out	RGB input	1	1	1
	Video Input	1	1	1
	S-Video Input	1	1	1
	YPbPr Input	2	2	1
	HDMI input	2	2	1
	HDMI Version	1.2	1.2	1.2
	USB	N	N	1
	RS-232	1	1	1
12V Output	1	1	1	

